Publications, Proceedings and Patents

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PUBLICATIONS

1980

1. ***Mixed Valence in Small and Large Polynuclear Species with Metal-Oxygen-Metal Bridges***
Y. Jeannin, J. P. Launay, C. Sanchez, J. Livage and M. Fournier, **Nouveau Journal De Chimie-New Journal of Chemistry**, 4, 587, (1980)

2. ***Electron Spin Resonance of Reduced 12-Molybdophosphate Anion and Ground State Delocalization in Mixed Valence Heteropolyanions***
J. P. Launay, M. Fournier, C. Sanchez, J. Livage and M. T. Pope, **Inorganic & Nuclear Chemistry Letters**, 16, 257, (1980)

3. ***ESR Study of Lithium Incorporation by V_2O_5 Single Crystals***
J. Livage, A. Pasturel, C. Sanchez and J. Vedel, **Solid State Ionics**, 1, 491, (1980)

4. ***Electron Spin Resonance Study of V_2O_5 Reduction in Butyllithium***
A. Pasturel, C. Sanchez and J. Livage, **Physica Status Solidi a-Applied Research**, 59, K167, (1980)

5. ***Niobium Organometallic Chemistry. Part 3. Reaction of Bis-(Cyclopentadienyl)Niobium Dichloride with Tetraphosphorus Decasulphide - Electron Spin Resonance and NMR Studies of Some Niobium(IV) and Niobium(V) O,O'-Dialkyldithiophosphates***
B. Viard, J. Salapala, J. Amaudrut, J. E. Guerchais, C. Sanchez and J. Livage, **Inorganica Chimica Acta**, 39, 99, (1980)

1981

6. ***Electron Spin Resonance of P_2O_5-Doped V_2O_5 Single Crystals***
D. Ballutaud, C. Rkha, C. Sanchez and J. Livage, **Physica Status Solidi a-Applied Research**, 66, 271, (1981)

7. ***Random Glass Structure and Electron Localization in Amorphous V_2O_5***
M. Henry, C. Sanchez, C. Rkha and J. Livage, **Journal of Physics C-Solid State Physics**, 14, 829, (1981)

8. ***Electron Spin Resonance of Undeca Tungstovanado(IV) Silicates Isomers***
C. Sanchez, M. Michaud, J. Livage and G. Herve, **Journal of Inorganic & Nuclear Chemistry**, 43, 2795, (1981)

9. ***Niobium Organometallic Chemistry. Part 6. Electron-Spin Resonance Study of Bonding in Pseudo-Tetrahedral Bis(Cyclopentadienyl)Niobium-(IV) Complexes***
C. Sanchez, D. Vivien, J. Livage, J. Salapala, B. Viard and J. E. Guerchais, **Journal of the Chemical Society-Dalton Transactions**, 64, (1981)

10. ***V^{4+} Brownian Motion in Splat Cooled Amorphous V_2O_5 after Water Vapor Adsorption***
P. Tougne, A. P. Legrand, C. Sanchez and J. Livage, **Journal of Physics and Chemistry of Solids**, 42, 101, (1981)

1982

11. ***Spectroscopic Study of Mixed Valence Complexes between V(IV) and V(V)***
F. Babonneau, C. Sanchez, J. Livage, J. P. Launay, M. Daoudi and Y. Jeannin, **Nouveau Journal De Chimie-New Journal of Chemistry**, 6, 353, (1982)

12. ***Mixed Valence Polyvanadic Acid Gels***
N. Gharbi, C. Sanchez, J. Livage, J. Lemerle, L. Nejem and J. Lefebvre, **Inorganic Chemistry**, 21, 2758, (1982)

13. ***Nucleophilic Additions to Cyclo-Octa-1,5-Diene Coordinated to Platinum(II) .Part 1. Attempts at Syn-Addition of Bifunctional Nucleophiles***
E. Mulliez, J. Soulie, J. C. Chottard, C. Sanchez and J. Guilhem, **Journal of Chemical Research-S**, 38, (1982)

14. ***Free and Bound Polarons in Vanadium Pentoxide***
C. Sanchez, M. Henry, J. C. Grenet and J. Livage, **Journal of Physics C-Solid State Physics**, 15, 7133, (1982)

15. ***Mixed Valence Fluoropolytungstates***
C. Sanchez, J. Livage, P. Doppelt, F. Chauveau and J. Lefebvre, **Journal of the Chemical Society-Dalton Transactions**, 2439, (1982)

16. ***Electron Delocalization in Mixed Valence Molybdenum Polyanions***
C. Sanchez, J. Livage, J. P. Launay, M. Fournier and Y. Jeannin, **Journal of the American Chemical Society**, 104, 3194, (1982)

17. ***Infrared and Raman Study of Amorphous V_2O_5***
C. Sanchez, J. Livage and G. Lucazeau, **Journal of Raman Spectroscopy**, 12, 68, (1982)

1983

18. ***Low Frequency Transition between Vibronic Levels of $(V2)^{9+}$ in Crystalline V_2O_5 from Electron Spin Lattice. Relaxation Measurements***
B. Gaillard, C. Blanchard, A. Deville and C. Sanchez, **Journal De Physique**, 44, 691, (1983)

19. ***Square Pyramidal Complexes of Divalent-Cations of the 1st Transition Row with the 20-Tungsto-2-Arsenate(III) - Synthesis, Visible and Electron Spin Resonance Spectra***
F. Lefebvre, M. Leyrie, G. Herve, C. Sanchez and J. Livage, **Inorganica Chimica Acta**, 73, 173, (1983)

20. ***Semiconducting Properties of V_2O_5 Gels***
C. Sanchez, F. Babonneau, R. Morineau, J. Livage and J. Bullot, **Philosophical Magazine B-Physics of Condensed Matter Statistical Mechanics Electronic Optical and Magnetic Properties**, 47, 279, (1983)

21. ***Electron Delocalization in Mixed Valence Tungsten Polyanions***
C. Sanchez, J. Livage, J. P. Launay and M. Fournier, **Journal of the American Chemical Society**, 105, 6817, (1983)

22. ***Electrical Conductivity of Amorphous V_2O_5***
C. Sanchez, R. Morineau and J. Livage, **Physica Status Solidi a-Applied Research**, 76, 661, (1983)

23. ***Reactivity of Hydrated Amorphous Vanadium Oxide***
M. T. Vandenborre, C. Sanchez and J. Livage, **Revue De Chimie Minerale**, 20, 850, (1983)

1984

24. ***Electrochemical and Photochemical Reduction of Decatungstate: a Reinvestigation***
A. Chemseddine, C. Sanchez, J. Livage, J. P. Launay and M. Fournier, **Inorganic Chemistry**, 23, 2609, (1984)

25. ***X-Ray, Electron Spin Resonance, and Optical Absorption Studies of Tetrakis(Cyclohexylamine)Copper(II) Nitrate: an Example of a Flattened Tetrahedral Copper(II) Complex***
J. Gouteron, S. Jeannin, Y. Jeannin, J. Livage and C. Sanchez, **Inorganic Chemistry**, 23, 3387, (1984)

26. ***Small Polaron Mobility in γ-$Li_xV_2O_5$***
C. Sanchez, M. Henry, R. Morineau and M. C. Leroy, **Physica Status Solidi B-Basic Research**, 122, 175, (1984)

27. ***Influence of the Quenching Rate on the Properties of Amorphous V_2O_5 Thin Films***
C. Sanchez, J. Livage, J. P. Audiere and A. Madi, **Journal of Non-Crystalline Solids**, 65, 285, (1984)

1985

28. ***Electron Spin Resonance Study of Brownian Motion in V_2O_5 Gels***
N. Gharbi, C. Sanchez and J. Livage, **Journal de Chimie Physique et de Physico-Chimie Biologique**, 82, 755, (1985)

29. ***Small Polarons in V_2O_5 Single Crystal Doped with WO_3***
M. Henry, C. Sanchez, C. Rkha and J. Livage, **Journal of Physics C-Solid State Physics**, 18, 6589, (1985)

30. ***Preparation, Electrical and Photoelectrochemical Properties of Mg-Doped Iron Oxide Sintered Disks***
K. D. Sieber, C. Sanchez, J. E. Turner and G. A. Somorjai, **Materials Research Bulletin**, 20, 153, (1985)

31. ***Preparation, Characterization and Photoelectronic Properties of Ge-Substituted Fe_2O_3 Single Crystals***
K. D. Sieber, C. Sanchez, J. E. Turner and G. A. Somorjai, **Journal of the Chemical Society-Faraday Transactions 1**, 81, 1263, (1985)

32. ***Structure and Properties of Reduced Amorphous Vanadium Oxide V_2O_5***
M. T. Vandenborre, C. Sanchez and A. Politi, **Nouveau Journal De Chimie-New Journal of Chemistry**, 9, 511, (1985)

1986

33. ***ENDOR Study of a One-Electron 2:18 Reduced Fluoropolytungstate***
D. Gourier, P. Doppelt and C. Sanchez, **Inorganic Chemistry**, 25, 4462, (1986)

34. ***Photochemical Hydrogen Production from a Water-Methanol Mixture with Small Particles of Iron Oxide Suspensions***
H. Nakanishi, C. Sanchez, M. Hendewerk and G. A. Somorjai, **Materials Research Bulletin**, 21, 137, (1986)

35. ***Synthesis, Bulk, and Surface Characterization of Nb-Doped Fe_2O_3 Single Crystals***
C. Sanchez, M. Hendewerk, K. D. Sieber and G. A. Somorjai, **Journal of Solid State Chemistry**, 61, 47, (1986)

1987

36. ***Hydrolysis of Titanium Alkoxides: Modification of the Molecular Precursor by Acetic Acid***
S. Doeuff, M. Henry, C. Sanchez and J. Livage, **Journal of Non-Crystalline Solids**, 89, 206, (1987)

37. ***The Gel Route to Cr^{3+}-Doped TiO_2, an Electron Spin Resonance Study***
S. Doeuff, M. Henry, C. Sanchez and J. Livage, **Journal of Non-Crystalline Solids**, 89, 84, (1987)

38. ***Vanadium Incorporation in Silica Glasses***
E. Fritsch, F. Babonneau, C. Sanchez and G. Calas, **Journal of Non-Crystalline Solids**, 92, 282, (1987)

39. ***Electrical Conductivity of V_2O_5 and $Li_xV_2O_5$ Amorphous Thin Films***
L. Murawski, C. Gledel, C. Sanchez, J. Livage and J. P. Audieres, **Journal of Non-Crystalline Solids**, 89, 98, (1987)

1988

40. ***XANES and EXAFS Study of Titanium Alkoxides***
F. Babonneau, S. Doeuff, A. Leaustic, C. Sanchez, C. Cartier and M. Verdaguer, **Inorganic Chemistry**, 27, 3166, (1988)

41. ***Spectroscopic Characterization of Sol-Gel Processing***
F. Babonneau, C. Sanchez and J. Livage, **Journal of Non-Crystalline Solids**, 106, 170, (1988)

42. ***Sol-Gel Chemistry of Transition Metal Oxides***
J. Livage, M. Henry and C. Sanchez, **Progress in Solid State Chemistry**, 18, 259, (1988)

43. ***Electrochemical Properties of Amorphous V_2O_5***
M. Nabavi, C. Sanchez, F. Taulelle, J. Livage and A. Deguibert, **Solid State Ionics**, 28, 1183, (1988)

44. ***Chemical Modification of Alkoxide Precursors***
C. Sanchez, J. Livage, M. Henry and F. Babonneau, **Journal of Non-Crystalline Solids**, 100, 65, (1988)

45. ***The Photoelectrochemistry of Nb-Doped α-Fe_2O_3***
C. Sanchez, K. D. Sieber and G. A. Somorjai, **Journal of Electroanalytical Chemistry**, 252, 269, (1988)

46. ***High Resolution Solid State ^{31}P NMR in Some Antimony Phosphates***
F. Taulelle, C. Sanchez, J. Livage, A. Lachgar and Y. Piffard, **Journal of Physics and Chemistry of Solids**, 49, 299, (1988)

1989

47. ***Synthesis and Structural Study of the Titanium Acetate Isopropoxide Oxide $[Ti_6(\mu_3\text{-}O)_2(\mu_2\text{-}O)_2(\mu_2\text{-}OAc)_4(\mu_2\text{-}O^iPr)_6(O^iPr)_6]$, a Reference Compound for the Sol-Gel Process***
S. Doeuff, Y. Dromzee and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 308, 1409, (1989)

48. ***Synthesis and Solid- and Liquid-State Characterization of a Hexameric Cluster of Titanium(IV): $Ti_6(\mu_2\text{-}O)_2(\mu_3\text{-}O)_2(\mu_2\text{-}OC_4H_9)_2(OC_4H_9)_6(OCOCH_3)_8$***
S. Doeuff, Y. Dromzee, F. Taulelle and C. Sanchez, **Inorganic Chemistry**, 28, 4439, (1989)

49. ***Electrochromic Properties of Anatase TiO_2 Films Prepared by the Sol-Gel Process***
S. Doeuff and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 309, 531, (1989)

50. ***Photoelectrochemical Properties of TiO_2 Anatase Films Synthesized via the Sol-Gel Process***
S. Doeuff and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 309, 1137, (1989)

51. ***The Chemistry of the Sol-Gel Process***
J. Livage, C. Sanchez, M. Henry and S. Doeuff, **Solid State Ionics**, 32-3, 633, (1989)

52. ***Sol-Gel Synthesis of Electrochromic Films***
M. Nabavi, S. Doeuff, C. Sanchez and J. Livage, **Materials Science and Engineering B**, 3, 203, (1989)

53. ***Some Illustrations of the Use of Synchrotron Radiation to Characterize the Sol-Gel Process***
C. Sanchez, M. Nabavi, P. Judeinstein and S. Doeuff, **Journal de Chimie Physique et de Physico-Chimie Biologique**, 86, 1593, (1989)

1990

54. ***An ESR Stydu of Cr(III) in Zirconia Prepared by the Sol-Gel Process***
J. Bennour, N. Gharbi, H. Zarrouk, C. Sanchez and M. Henry, **Annales De Chimie-Science Des Materiaux**, 15, 19, (1990)

55. ***Sol-Gel Synthesis and Characterization of Titanium Oxo-Acetate Polymers***
S. Doeuff, M. Henry and C. Sanchez, **Materials Research Bulletin**, 25, 1519, (1990)

56. ***Optical Properties of TiO_2, ZrO_2, Al_2O_3 and SiO_2 Based Gels Doped with Rhodamine 640***
J. Fitremann, S. Doeuff and C. Sanchez, **Annales De Chimie-Science Des Materiaux**, 15, 421, (1990)

57. ***Sol-Gel Synthesis of PFN Ceramics ($PbFe_{1/2}NB_{1/2}O_3$)***
P. Griesmar, G. Papin, C. Sanchez and J. Livage, **Journal of Materials Science Letters**, 9, 1288, (1990)

58. ***Chemical Synthesis of Fine Powders***
J. Livage, M. Henry, J.-P. Jolivet and C. Sanchez, **MRS Bulletin**, 15, 18, (1990)

59. ***The Sol-Gel Route to Molybdenum Oxides***
J. Mendez-Vivar, A. Campero, J. Livage and C. Sanchez, **Journal of Non-Crystalline Solids**, 121, 26, (1990)

60. ***Small Polaron Transport in Amorphous V_2O_5 Films***
L. Murawski, C. Sanchez, J. Livage and J. P. Audiere, **Journal of Non-Crystalline Solids**, 124, 71, (1990)

61. ***Chemical Modification of Metal Alkoxides by Solvents: a Way to Control Sol-Gel Chemistry***
M. Nabavi, S. Doeuff, C. Sanchez and J. Livage, **Journal of Non-Crystalline Solids**, 121, 31, (1990)

62. ***ESR Study of Some Photoreduced Vanadium Oxo-Alkoxides $VO(OR)_3$***
M. Nabavi and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 310, 117, (1990)

63. ***XANES and ^{51}V NMR Study of Vanadium Oxygen Compounds***
M. Nabavi, F. Taulelle, C. Sanchez and M. Verdaguer, **Journal of Physics and Chemistry of Solids**, 51, 1375, (1990)

64. ***Sol-Gel Chemistry from Metal Alkoxide Precursors***
C. Sanchez and J. Livage, **New Journal of Chemistry**, 14, 513, (1990)

65. ***Synthesis and Structural Study of the Compound $Zr_4(\mu_4\text{-}O)(\mu_2\text{-}O^nPr)_6(O^nPr)_4(acac)_4$***
P. Toledano, M. In and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 311, 1161, (1990)

66. ***Structure of Bis(2-Propanol)-Bis-μ-(2-Propanolato)-Hexakis(2-Propanolato)DiCerium(IV)***
P. Toledano, F. Ribot and C. Sanchez, **Acta Crystallographica Section C-Crystal Structure Communications**, 46, 1419, (1990)

67. ***Synthesis and Structure of the Compound $Ce_6(\mu_3\text{-}O)_4(\mu_3\text{-}OH)_4(acac)_{12}$***
P. Toledano, F. Ribot and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 311, 1315, (1990)

1991

68. ***Electrochemical Probing of the Sol-Gel Xerogel Evolution***
P. Audebert, P. Griesmar and C. Sanchez, **Journal of Materials Chemistry**, 1, 699, (1991)

69. ***Sol-Gel Route to Niobium Pentoxide***
P. Griesmar, G. Papin, C. Sanchez and J. Livage, **Chemistry of Materials**, 3, 335, (1991)

70. ***Second-Harmonic Generation from Organic Molecules Incorporated in Sol-Gel Matrices***
P. Griesmar, C. Sanchez, G. Puccetti, I. Ledoux and J. Zyss, **Molecular Engineering**, 1, 205, (1991)

71. ***Optical Properties of Some Organic (Rhodamine 6G, Coumarin 4) and Inorganic (Eu(III), Nd(III)) Probes inside Transition Metal Oxide Based Gels***
M. Lecomte, B. Viana and C. Sanchez, **Journal de Chimie Physique et de Physico-Chimie Biologique**, 88, 39, (1991)

72. ***pH Effect in Molybdenum(VI) Oxide Tetrachloride Polymerization via the Sol-Gel Method***
J. Mendez-Vivar, T. Lopez, A. Campero and C. Sanchez, **Langmuir**, 7, 704, (1991)

73. ***Structure and Properties of Amorphous V_2O_5***
M. Nabavi, C. Sanchez and J. Livage, **Philosophical Magazine B-Physics of Condensed Matter Statistical Mechanics Electronic Optical and Magnetic Properties**, 63, 941, (1991)

74. ***Sol-Gel Synthesis of Vanadium Oxide from Alkoxides***
M. Nabavi, C. Sanchez and J. Livage, **European Journal of Solid State and Inorganic Chemistry**, 28, 1173, (1991)

75. ***Hydrolysis-Condensation Process of β-diketonates Modified Cerium(IV) Isopropoxide***
F. Ribot, P. Toledano and C. Sanchez, **Chemistry of Materials**, 3, 759, (1991)

76. ***X-Ray and Spectroscopic Investigations of the Structure of Yttrium Acetate Tetrahydrate***
F. Ribot, P. Toledano and C. Sanchez, **Inorganica Chimica Acta**, 185, 239, (1991)

77. ***Synthesis and Structure of the Compound $Ti_{18}(\mu_5\text{-}O)_2(\mu_4\text{-}O)_2(\mu_3\text{-}O)_{10}(\mu_2\text{-}O)_4(\mu_2\text{-}O^nBu)_{14}(O^nBu)_{12}(acac)_2$***
P. Toledano, M. In and C. Sanchez, **Comptes Rendus De L' Academie Des Sciences Serie II**, 313, 1247, (1991)

78. ***Second Harmonic Generation from Poled Organic Molecules Incorporated into Sol-Gel Matrices***
E. Toussaere, J. Zyss, P. Griesmar and C. Sanchez, **Nonlinear Optics, Principles, Materials, Phenomena and Devices|Nonlinear Optics, Principles, Materials, Phenomena and Devices**, 1, 349, (1991)

1992

79. ***Sol-Gel-Xerogel Evolution Investigated by Electroactive Probes in Silica and Transition Metal Oxide Based Gels***
P. Audebert, P. Griesmar, P. Hapiot and C. Sanchez, **Journal of Materials Chemistry**, 2, 1293, (1992)

80. ***Sol-Gel Synthesis of Siloxane Oxide Hybrid Coatings ($Si(CH_3)_2O\text{-}MO_x$: M = Si, Ti, Zr, Al) with Luminescent Properties***
S. Dire, F. Babonneau, C. Sanchez and J. Livage, **Journal of Materials Chemistry**, 2, 239, (1992)

81. ***Photoelectrochemical Properties of Tungsten Oxide Gels***
P. Judeinstein, A. Chemseddine and C. Sanchez, **Journal de Chimie Physique et de Physico-Chimie Biologique**, 89, 1469, (1992)

82. ***SAXS Study of Gelation and Precipitation in Titanium Based Systems***
M. Kallala, C. Sanchez and B. Cabane, **Journal of Non-Crystalline Solids**, 147, 189, (1992)

83. ***Sol-Gel Chemistry***
J. Livage and C. Sanchez, **Journal of Non-Crystalline Solids**, 145, 11, (1992)

84. ***Propriétes Optiques de Monolithes à Base de Silice / Optical Properties of Silica-based Monoliths***
C. Sanchez, **Boletin De La Sociedad Espanola De Ceramica Y Vidrio**, 31, 135, (1992)

85. ***Matériaux pour l'Optique Elaborés par le Procédé Sol-Gel. I : Systemes Optiques Basés sur une Variation d'Indice de Refraction / Optical Materials Produced via Sol-Gel. I : Systems Based on the Refractive Index Variation***
C. Sanchez, **Boletin De La Sociedad Espanola De Ceramica Y Vidrio**, 31, 5, (1992)

86. ***Matériaux pour l'Optique Elaborés par le Procédé Sol-Gel. II : Absorption et Luminescence / Optical Materials Produced via Sol-Gel. II : Absorption and Luminescence***
C. Sanchez, **Boletin De La Sociedad Espanola De Ceramica Y Vidrio**, 31, 89, (1992)

87. ***Matériaux pour l'Optique Elaborés par le Procédé Sol-Gel. III : Propriétes Electrochromes / Optical Materials Produced via Sol-Gel Process. III: Electrochromic Properties***
C. Sanchez, **Boletin De La Sociedad Espanola De Ceramica Y Vidrio**, 31, 191, (1992)

88. ***Molecular Design of Alkoxide Precursors for the Synthesis of Hybrid Organic Inorganic Gels***
C. Sanchez and M. In, **Journal of Non-Crystalline Solids**, 147, 1, (1992)

1993

89. ***Electrochemical Probing of the Activity of Glucose Oxidase Embedded Sol-Gel Matrices***
P. Audebert, C. Demaille and C. Sanchez, **Chemistry of Materials**, 5, 911, (1993)

90. ***Charge Transfer Dynamics of Porphyrin Phthalocyanine Heterodimers in Hybrid Sol-Gel Films***
T. Fournier, T. H. Tran Thi, N. Herlet and C. Sanchez, **Chemical Physics Letters**, 208, 101, (1993)

91. ***Structures of Inorganic Polymers in Sol-Gel Processes Based on Titanium Oxide***
M. Kallala, C. Sanchez and B. Cabane, **Physical Review E**, 48, 3692, (1993)

92. ***Rare Earth Doped Hybrid Siloxane Oxide Coatings with Luminescent Properties***
N. I. Koslova, B. Viana and C. Sanchez, **Journal of Materials Chemistry**, 3, 111, (1993)

93. ***Optical Properties of a Near Infrared Dye Laser Incorporated inside Sol-Gel Matrices***
B. Lebeau, N. Herlet, J. Livage and C. Sanchez, **Chemical Physics Letters**, 206, 15, (1993)

94. ***Vanadium Clusters in Doped ZrO_2-SiO_2 Toughened Ceramic Composites Obtained from Alkoxides***
G. Monros, J. Carda, M. A. Tena, P. Escribano, F. Ribot and C. Sanchez, **Solid State Ionics**, 63-65, 218, (1993)

95. ***Polarized XANES and EXAFS at the V K-Edge of $VOPO_4.2H_2O$ Gel, Comparison with the V K-Edge in V_2O_5 Xerogel***
B. Poumellec, R. Cortes, C. Sanchez, J. Berthon and C. Fretigny, **Journal of Physics and Chemistry of Solids**, 54, 751, (1993)

96. ***Nonlinear Optical Properties of Organically Doped Metal Oxide Based Gels***
C. Sanchez, P. Griesmar, G. Puccetti, I. Ledoux, E. Toussaere and J. Zyss, **Nonlinear Optics, Principles, Materials, Phenomena and Devices**, 4, 245, (1993)

97. ***Molecular Design of Hybrid Organic-Inorganic Materials***
C. Sanchez and F. Ribot, **Journal De Physique IV**, 3, 1349, (1993)

1994

98. ***Modified Electrodes from Hydrophobic Alkoxide Silica Gels: Insertion of Electroactive Compounds and Glucose Oxidase***
P. Audebert and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 2, 809, (1994)

99. ***Synthesis and Characterization of Titanium Oxide Based Gels Synthesized from Acetate Modified Titanium Butoxide Precursors***
S. Barboux-Doeuff and C. Sanchez, **Materials Research Bulletin**, 29, 1, (1994)

100. ***Rheological Study of Titanium Oxide Based Gels***
A. Bleuzen, S. Barboux-Doeuff, P. Flaud and C. Sanchez, **Materials Research Bulletin**, 29, 1223, (1994)

101. ***The Role of Complexing Ligands in the Formation of Non-Aggregated Nanoparticles of Zirconia***
M. Chatry, M. Henry, M. In and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 1, 233, (1994)

102. ***Charge Transfer Dynamics of Donor-Acceptor Systems in Solutions and Sol-Gel Matrices***
T. Fournier, I. Salabert, T. H. Tran-Thi, H. Ali, J. Van-Lier and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 2, 737, (1994)

103. ***Relaxation Behavior of NLO Chromophores Grafted in Hybrid Sol-Gel Matrices***
B. Lebeau, J. Maquet, C. Sanchez, E. Toussaere, R. Hierle and J. Zyss, **Journal of Materials Chemistry**, 4, 1855, (1994)

104. ***Molecular Design of Hybrid Organic-Inorganic Materials with Electronic Properties***
C. Sanchez, B. Alonso, F. Chapusot, F. Ribot and P. Audebert, **Journal of Sol-Gel Science and Technology**, 2, 161, (1994)

105. ***Design of Hybrid Organic-Inorganic Materials Synthesized Via Sol-Gel Chemistry***
C. Sanchez and F. Ribot, **New Journal of Chemistry**, 18, 1007, (1994)

1995

106. ***Hydrolysis of Monobutyltin Trialkoxides: Synthesis and Characterizations of {(BuSn)$_{12}$O$_{14}$(OH)$_6$}(OH)$_2$***
F. Banse, F. Ribot, P. Toledano, J. Maquet and C. Sanchez, **Inorganic Chemistry**, 34, 6371, (1995)

107. ***Investigation on Hydrolysis-Condensation Reactions of Titanium(IV) Butoxide***
J. Blanchard, S. Barbouxdoeuff, J. Maquet and C. Sanchez, **New Journal of Chemistry**, 19, 929, (1995)

108. ***Transition Metal Based Hybrid Organic-Inorganic Copolymers***
M. In, C. Gerardin, J. Lambard and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 5, 101, (1995)

109. ***General Routes to Functional Organotin Trichlorides and Trialkoxides Involving the Tricyclohexylstannyl Group***
B. Jousseaume, M. Lahcini, M.-C. Rascle, F. Ribot and C. Sanchez, **Organometallics**, 14, 685, (1995)

110. ***Hybrid Organic-Inorganic Supramolecular Assemblies Made from Butyltin Oxo-Hydroxo Nanobuilding Blocks and Dicarboxylates***
F. Ribot, F. Banse, F. Diter and C. Sanchez, **New Journal of Chemistry**, 19, 1145, (1995)

111. ***Optical Properties of Neodymium and Dysprosium Doped Hybrid Siloxane-Oxide Coatings***
B. Viana, N. Koslova, P. Aschehoug and C. Sanchez, **Journal of Materials Chemistry**, 5, 719, (1995)

1996

112. ***Modified Electrodes from Organic-Inorganic Gels Issued from the Polycondensation of Functionalized Zirconium Alkoxides***
H. Cattey, P. Audebert and C. Sanchez, **New Journal of Chemistry**, 20, 1023, (1996)

113. ***Observation of Nematic Liquid-Crystal Textures in Aqueous Gels of Smectite Clays***
J. C. P. Gabriel, C. Sanchez and P. Davidson, **Journal of Physical Chemistry**, 100, 11139, (1996)

114. ***Hybrid Organic-Inorganic Materials: A Land of Multi-Disciplinarity***
P. Judeinstein and C. Sanchez, **Journal of Materials Chemistry**, 6, 511, (1996)

115. ***Large Second Order Optical Nonlinearities in Azo Dyes Grafted Hybrid Sol-Gel Coatings***
B. Lebeau, C. Sanchez, S. Brasselet, J. Zyss, G. Froc and M. Dumont, **New Journal of Chemistry**, 20, 13, (1996)

116. ***Hybrid Organic-Inorganic Materials with Second Order Optical Nonlinearities Synthesized via Sol-Gel Chemistry***
C. Sanchez and B. Lebeau, **Pure and Applied Optics**, 5, 689, (1996)

1997

117. ***Hybrid Organic-Inorganic Copolymers from Oxo-Hydroxo Organotin Dimethacrylate and Methyl Methacrylate***
L. Angiolini, D. Caretti, R. De Vito, F. T. Niesel, E. Salatelli, C. Carlini, F. Ribot and C. Sanchez, **Journal of Inorganic and Organometallic Polymers**, 7, 151, (1997)

118. ***Electrochemical Investigations on the Sol-Gel Polymerization of Transition Metal Alkoxides***
H. Cattey, P. Audebert, C. Sanchez and P. Hapiot, **Journal of Materials Chemistry**, 7, 1461, (1997)

119. ***Mineral Liquid Crystalline Polymers***
P. Davidson, P. Batail, J. C. P. Gabriel, J. Livage, C. Sanchez and C. Bourgaux, **Progress in Polymer Science**, 22, 913, (1997)

120. ***Design, Characterization, and Processing of Hybrid Organic-Inorganic Coatings with very High Second Order Optical Non Linearities***
B. Lebeau, S. Brasselet, J. Zyss and C. Sanchez, **Chemistry of Materials**, 9, 1012, (1997)

121. ***Structural and Dynamical Studies of Hybrid Siloxane-Silica Materials***
B. Lebeau, J. Maquet, C. Sanchez, F. Beaume and F. Laupretre, **Journal of Materials Chemistry**, 7, 989, (1997)

122. ***Hybrid Organic-Inorganic Copolymers Based on Oxo-Hydroxo Organotin Nanobuilding Blocks***
F. Ribot, F. Banse, C. Sanchez, M. Lahcini and B. Jousseaume, **Journal of Sol-Gel Science and Technology**, 8, 529, (1997)

123. ***Spirooxazine and Spiropyran Doped Hybrid Organic-Inorganic Matrices with very Fast Photochromic Responses***
B. Schaudel, C. Guermeur, C. Sanchez, K. Nakatani and J. A. Delaire, **Journal of Materials Chemistry**, 7, 61, (1997)

124. ***X-ray Diffraction and 2D Gradient Assisted ^{1}H-^{119}Sn HMQC NMR Studies of Structures Obtained from Nucleophilic Substitutions on Dimethyltin(IV) Salicylaldoximates***
R. Willem, A. Bouhdid, A. Meddour, C. Camacho-Camacho, F. Mercier, M. Gielen, M. Biesemans, F. Ribot, C. Sanchez and E. R. T. Tiekink, **Organometallics**, 16, 4377, (1997)

1998

125. ***Hybrid Organic-Inorganic Polydimethylsiloxane-Vanadium-Oxo Materials Crosslinked at the Molecular Level***
B. Alonso, J. Maquet, B. Viana and C. Sanchez, **New Journal of Chemistry**, 22, 935, (1998)

126. ***Nonlinear Hybrid Materials: a Potential for Integrated Light Sources***
D. Blanc, P. Peyrot, C. Sanchez and C. Gonnet, **Optical Engineering**, 37, 1203, (1998)

127. ***Characterisation of Sol-Gel Derived Titanium Oxopolymers: First Evidence of Ti-OH Groups through ^{1}H-^{17}O CP NMR Experiments***
J. Blanchard, C. Bonhomme, J. Maquet and C. Sanchez, **Journal of Materials Chemistry**, 8, 985, (1998)

128. ***Hydrolysis and Condensation Reactions of Transition Metal Alkoxides: Calorimetric Study and Evaluation of the Extent of Reaction***
J. Blanchard, M. In, B. Schaudel and C. Sanchez, **European Journal of Inorganic Chemistry**, 1115, (1998)

129. ***Electrochemical Investigations on Liquid State Polymerizing Systems: Case of Sol-Gel Polymerization of Transition Metal Alkoxides***
H. Cattey, P. Audebert, C. Sanchez and P. Hapiot, **Journal of Physical Chemistry B**, 102, 1193, (1998)

130. ***Room Temperature Synthesis of Hybrid Organic-Inorganic Nanocomposites Containing Eu^{2+}***
E. Cordoncillo, B. Viana, P. Escribano and C. Sanchez, **Journal of Materials Chemistry**, 8, 507, (1998)

131. ***New Synthesis of the Nanobuilding Block $\{(BuSn)_{12}O_{14}(OH)_6\}^{2+}$ and exchange properties of $\{(BuSn)_{12}O_{14}(OH)_6\}(O_3SC_6H_4CH_3)_2$***
C. Eychenne-Baron, F. Ribot and C. Sanchez, **Journal of Organometallic Chemistry**, 567, 137, (1998)

132. ***New Route to Monoorganotin Oxides and Alkoxides from Trialkynylorganotins***
P. Jaumier, B. Jousscaume, M. Lahcini, F. Ribot and C. Sanchez, **Chemical Communications**, 369, (1998)

133. ***Molecular Precursors Routes to Inorganic Solids***
J. Livage, C. Sanchez and F. Babonneau, **Chemistry of Advanced Materials**, 389, (1998)

134. ***Etude Rhéologique de Gels d'Oxyde de Titane. Rhéologie des Matériaux du Vivant / Rheological Study of Titanium Oxide Gels***
A. Ponton, S. Barboux-Doeuff, C. Sanchez and P. Flaud, **Les Cahiers de Rhéologie**, 16, 158, (1998)

135. ***On the Assignment of ^{119}Sn Resonances of Bisdicarboxylatotetraorgano-distannoxanes in Solution and Solid State ^{119}Sn NMR Spectra***
F. Ribot, C. Sanchez, A. Meddour, M. Gielen, E. R. T. Tiekink, M. Biesemans and R. Willem, **Journal of Organometallic Chemistry**, 552, 177, (1998)

136. ***Solution and Solid State Multinuclear NMR Investigation of the Structure of $\{(BuSn)_{12}O_{14}(OH)_6\}(O_2PPh_2)_2$***
F. Ribot, C. Sanchez, R. Willem, J. C. Martins and M. Biesemans, **Inorganic Chemistry**, 37, 911, (1998)

137. ***Synthesis and Characterization of Surface Protected Nanocrystalline Titania Particles***
E. Scolan and C. Sanchez, **Chemistry of Materials**, 10, 3217, (1998)

138. ***A Tetranuclear Niobium Oxoacetate Complex. Synthesis, X-ray Crystal Structure and Characterization by Solid State and Liquid State NMR Spectroscopy***
N. Steunou, C. Bonhomme, C. Sanchez, J. Vaissermann and L. G. Hubert-Pfalzgraf, **Inorganic Chemistry**, 37, 901, (1998)

139. ***Synthesis through an In-Situ Esterification Process and Characterization of Oxo-Isopropoxo Titanium Clusters***
N. Steunou, F. Robert, K. Boubekeur, F. Ribot and C. Sanchez, **Inorganica Chimica Acta**, 279, 144, (1998)

1999

140. ***Hybrid Polydimethylsiloxane-Zirconium-Oxo Nanocomposites. Part 1: Characterization of the Matrix and the Siloxane-Zirconium Oxo Interface***
C. Guermeur, J. Lambard, J. F. Gerard and C. Sanchez, **Journal of Materials Chemistry**, 9, 769, (1999)

141. ***Sol-Gel Derived Hybrid Inorganic-Organic Nanocomposites for Optics***
B. Lebeau and C. Sanchez, **Current Opinion in Solid State & Materials Science**, 4, 11, (1999)

142. ***Optical Properties of Sol-Gel Films***
J. Livage and C. Sanchez, **Nonlinear Optics**, 21, 125, (1999)

143. ***Organically Functionalized Metallic Oxo-Clusters: Structurally well-Defined Nanobuilding Blocks for the Design of Hybrid Organic-Inorganic Materials***
F. Ribot and C. Sanchez, **Comments on Inorganic Chemistry**, 20, 327, (1999)

144. ***Monoorganotin Oxo-Clusters: Versatile Nanobuilding Blocks for Hybrid Organic-Inorganic Materials***
F. O. Ribot, C. Eychenne-Baron and C. Sanchez, **Phosphorus Sulfur and Silicon and the Related Elements**, 151, 41, (1999)

145. ***Molecular Design of Hybrid Organic-Inorganic Nanocomposites Synthesized via Sol-Gel Chemistry***
C. Sanchez, F. Ribot and B. Lebeau, **Journal of Materials Chemistry**, 9, 35, (1999)

146. ***Surface and Bulk Characterisation of Titanium-Oxo Clusters and Nanosized Titania Particles through ^{17}O Solid State NMR***
E. Scolan, C. Magnenet, D. Massiot and C. Sanchez, **Journal of Materials Chemistry**, 9, 2467, (1999)

147. ***A New Polyoxo-Alkoxo Titanium Cluster of the Keggin Family: Synthesis and Characterization by X-ray Diffraction and NMR Spectroscopy***
N. Steunou, G. Kickelbick, K. Boubekeur and C. M. Sanchez, **Journal of the Chemical Society-Dalton Transactions**, 3653, (1999)

148. ***Ketones as an Oxolation Source for the Synthesis of Titanium-Oxo-Organo Clusters***
N. Steunou, F. Ribot, K. Boubekeur, J. Maquet and C. Sanchez, **New Journal of Chemistry**, 23, 1079, (1999)

2000

149. ***Glass Transition of Polydimethylsiloxane-Vanadate Hybrid Materials Studied through ^{17}O and ^{51}V NMR***
B. Alonso, J. Maquet and C. Sanchez, **Journal of Non-Crystalline Solids**, 277, 58, (2000)

150. ***Structural Investigation of Polydimethylsiloxane-Vanadate Hybrid Materials***
B. Alonso and C. Sanchez, **Journal of Materials Chemistry**, 10, 377, (2000)

151. ***Structural Characterization of Titanium-Oxo-Polymers Synthesized in the Presence of Protons or Complexing Ligands as Inhibitors***
J. Blanchard, F. Ribot, C. Sanchez, P. V. Bellot and A. Trokiner, **Journal of Non-Crystalline Solids**, 265, 83, (2000)

152. ***Organogelators for Making Porous Sol-Gel Derived Silica at Two Different Length Scales***
G. M. Clavier, J. L. Pozzo, H. Bouas-Laurent, C. Liere, C. Roux and C. Sanchez, **Journal of Materials Chemistry**, 10, 1725, (2000)

153. ***Optical Response of Ce(III) and Eu(II) Doped Hybrid Materials Synthesised by Sol-Gel Processing***
E. Cordoncillo, J. Carda, H. Beltran, F. J. Guaita, A. Barrio, P. Escribano, B. Viana and C. Sanchez, **Boletin De La Sociedad Espanola De Ceramica Y Vidrio**, 39, 95, (2000)

154. ***Reaction of Butyltin Hydroxide Oxide with p-Toluenesulfonic Acid: Synthesis, X-ray Crystal Analysis and Multinuclear NMR Characterization of $\{(BuSn)_{12}O_{14}(OH)_6\}(4\text{-}CH_3C_6H_4SO_3)_2$***
C. Eychenne-Baron, F. Ribot, N. Steunou, C. Sanchez, F. Fayon, M. Biesemans, J. C. Martins and R. Willem, **Organometallics**, 19, 1940, (2000)

155. ***Synthesis of Hierarchically Ordered Dye-Functionalised Mesoporous Silica with Macroporous Architecture by Dual Templating***
B. Lebeau, C. E. Fowler, S. Mann, C. Farcet, B. Charleux and C. Sanchez, **Journal of Materials Chemistry**, 10, 2105, (2000)

156. ***Quantum Size Effect in TiO_2 Nanoparticles: Does It Exist?***
S. Monticone, R. Tufeu, A. V. Kanaev, E. Scolan and C. Sanchez, **Applied Surface Science**, 162, 565, (2000)

157. ***Rheology of Titanium Oxide Based Gels: Determination of Gelation Time versus Temperature***
A. Ponton, S. Barboux-Doeuff and C. Sanchez, **Colloids and Surfaces a-Physicochemical and Engineering Aspects**, 162, 177, (2000)

158. ***Molecular Design of Sol-Gel Derived Hybrid Organic-Inorganic Nanocomposites***
C. Sanchez, B. Lebeau, F. Ribot and M. In, **Journal of Sol-Gel Science and Technology**, 19, 31, (2000)

159. ***Design of Hybrid Organic-Inorganic Nanocomposites Synthesized via Sol-Gel Chemistry***
C. Sanchez, F. Ribot, L. Rozes and B. Alonso, **Molecular Crystals and Liquid Crystals**, 354, 731, (2000)

160. ***New Mesotextured Hybrid Materials Made from Assemblies of Dendrimers and Titanium(IV)-Oxo-Organo Clusters***
G. J. A. A. Soler-Illia, L. Rozes, M. K. Boggiano, C. Sanchez, C. O. Turrin, A. M. Caminade and J. P. Majoral, **Angewandte Chemie-International Edition**, 39, 4250, (2000)

161. ***Interactions between Poly(ethylene oxide)-Based Surfactants and Transition Metal Alkoxides: Their Role in the Templated Construction of Mesostructured Hybrid Organic-Inorganic Composites***
G. J. A. A. Soler-Illia and C. Sanchez, **New Journal of Chemistry**, 24, 493, (2000)

2001

162. ***Blue Emitting Hybrid Organic-Inorganic Materials***
E. Cordoncillo, F. J. Guaita, P. Escribano, C. Philippe, B. Viana and C. Sanchez, **Optical Materials**, 18, 309, (2001)

163. ***Design and Post-Functionalisation of Ordered Mesoporous Zirconia Thin Films***
E. L. Crepaldi, G. J. A. A. Soler-Illia, D. Grosso, P. A. Albouy and C. Sanchez, **Chemical Communications**, 1582, (2001)

164. ***Highly Organized Mesoporous Titania Thin Films Showing Mono-Oriented 2D Hexagonal Channels***
D. Grosso, G. J. A. A. Soler-Illia, F. Babonneau, C. Sanchez, P. A. Albouy, A. Brunet-Bruneau and A. R. Balkenende, **Advanced Materials**, 13, 1085, (2001)

165. ***Macroscopic-Microscopic Mechanical Relaxation Behavior of Hybrid Organic-Inorganic Materials***
P. Judeinstein, J. Rault, B. Alonso and C. Sanchez, **Journal of Polymer Science Part B-Polymer Physics**, 39, 645, (2001)

166. ***Rheological Investigation of the Sol-Gel Transition: Effect of Hydrolysis Variation in Silicon Oxide and Titanium Oxide Based Matrices***
A. Ponton, P. Griesmar, S. Barboux-Doeuff and C. Sanchez, **Journal of Materials Chemistry**, 11, 3125, (2001)

167. ***Di-nButyltin Methyl and Phenylphosphonates***
F. Ribot, C. Sanchez, M. Biesemans, F. A. G. Mercier, J. C. Martins, M. Gielen and R. Willem, **Organometallics**, 20, 2593, (2001)

168. ***Design and Properties of Hybrid Organic-Inorganic Nanocomposites for Photonics***
C. Sanchez and B. Lebeau, **MRS Bulletin**, 26, 377, (2001)

169. ***Designed Hybrid Organic-Inorganic Nanocomposites from Functional Nanobuilding Blocks***
C. Sanchez, G. J. A. A. Soler-Illia, F. Ribot, T. Lalot, C. R. Mayer and V. Cabuil, **Chemistry of Materials**, 13, 3061, (2001)

170. ***Design of Meso-Structured Titanium-Oxo Based Hybrid Organic-Inorganic Networks***
G. J. A. A. Soler-Illia, E. Scolan, A. Louis, P. A. Albouy and C. Sanchez, **New Journal of Chemistry**, 25, 156, (2001)

171. ***Nucleation Stage in the $Ti(O^iPr)_4$ Sol-Gel Process***
A. Soloviev, R. Tufeu, C. Sanchez and A. V. Kanaev, **Journal of Physical Chemistry B**, 105, 4175, (2001)

172. ***Carboxylic Acids as an Oxolation Source for the Synthesis of Titanium Oxo-Organo Clusters***
N. Steunou, R. Portal and C. Sanchez, **High Pressure Research**, 20, 63, (2001)

2002

173. ***Lyotropic Phase from Hybrid Organic-Inorganic Layered Copper Hydroxides***
R. Backov, A. N. Morgan, S. Lane, E. E. Perez-Cordero, K. Williams, M. W. Meisel, C. Sanchez and D. R. Talham, **Molecular Crystals and Liquid Crystals**, 376, 127, (2002)

174. ***Chemists and the School of Nature***
B. Bensaude-Vincent, H. Arribart, Y. Bouligand and C. M. Sanchez, **New Journal of Chemistry**, 26, 1, (2002)

175. ***Nanotectonic Approach of the Texturation of CeO_2 Based Nanomaterials***
A. Bouchara, G. J. A. A. Soler-Illia, J. Y. Chane-Ching and C. Sanchez, **Chemical Communications**, 1234, (2002)

176. ***Magnetic Nanocomposites Built by Controlled Incorporation of Magnetic Clusters into Mesoporous Silicates***
T. Coradin, J. Larionova, A. A. Smith, G. Rogez, R. Clerac, C. Guerin, G. Blondin, R. E. P. Winpenny, C. Sanchez and T. Mallah, **Advanced Materials**, 14, 896, (2002)

177. ***Optical Properties of Lanthanide Doped Hybrid Organic-Inorganic Materials***
E. Cordoncillo, P. Escribano, F. J. Guaita, C. Philippe, B. Viana and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 24, 155, (2002)

178. ***Formation and Stabilization of Mesostructured Vanadium-Oxo-Based Hybrid Thin Films***
E. L. Crepaldi, D. Grosso, G. J. A. A. Soler-Illia, P. A. Albouy, H. Amenitseh and C. Sanchez, **Chemistry of Materials**, 14, 3316, (2002)

179. ***Synthesis and Characterization of Crystalline Tin Oxide Nanoparticles***
S. de Monredon, A. Cellot, F. Ribot, C. Sanchez, L. Armelao, L. Gueneau and L. Delattre, **Journal of Materials Chemistry**, 12, 2396, (2002)

180. ***Templated Growth of Alumina-Based Fibers through the Use of Anthracenic Organogelators***
M. Llusar, L. Pidol, C. Roux, J. L. Pozzo and C. Sanchez, **Chemistry of Materials**, 14, 5124, (2002)

181. ***The First Direct Probing of Porosity on Supported Mesoporous Silica Thin Films through Hyperpolarised ^{129}Xe NMR***
A. Nossov, E. Haddad, F. Guenneau, C. Mignon, A. Gedeon, D. Grosso, F. Babonneau, C. Bonhomme and C. Sanchez, **Chemical Communications**, 2476, (2002)

182. ***Hexagonally Organised Mesoporous Aluminium-Oxo-Hydroxide Thin Films Prepared by the Template Approach. In-Situ Study of the Structural Formation***
L. Pidol, D. Grosso, G. J. A. A. Soler-Illia, E. L. Crepaldi, C. Sanchez, P. A. Albouy, H. Amenitsch and P. Euzen, **Journal of Materials Chemistry**, 12, 557, (2002)

183. ***New Photochromic Hybrid Organic-Inorganic Materials Built from Well-Defined Nanobuilding Blocks***
F. Ribot, A. Lafuma, C. Eychenne-Baron and C. Sanchez, **Advanced Materials**, 14, 1496, (2002)

184. ***Structural Control in Self-Standing Mesostructured Silica Oriented Membranes and Xerogels***
G. J. A. A. Soler-Illia, E. L. Crepaldi, D. Grosso, D. Durand and C. Sanchez, **Chemical Communications**, 2298, (2002)

185. ***Synthesis and Characterization of Mesostructured Titania-Based Materials through Evaporation-Induced Self-Assembly***
G. J. A. A. Soler-Illia, A. Louis and C. Sanchez, **Chemistry of Materials**, 14, 750, (2002)

186. ***Chemical Strategies to Design Textured Materials: From Microporous and Mesoporous Oxides to Nanonetworks and Hierarchical Structures***
G. J. A. A. Soler-Illia, C. Sanchez, B. Lebeau and J. Patarin, **Chemical Reviews**, 102, 4093, (2002)

187. ***Synthesis of Nanostructured Polymer-Titanium Oxide Composites through the Assembly of Titanium-Oxo Clusters and Amphiphilic Block Copolymers Micelles***
N. Steunou, S. Forster, P. Florian, C. Sanchez and M. Antonietti, **Journal of Materials Chemistry**, 12, 3426, (2002)

188. ***A DFT and HF Quantum Chemical Study of the Tin Nanocluster $[(RSn)_{12}O_{14}(OH)_6]^{2+}$ and its Interactions with Anions and Neutral Nucleophiles: Confrontation with Experimental Data***
R. Vivas-Reyes, F. De Proft, P. Geerlings, M. Biesemans, R. Willem, F. Ribot and C. Sanchez, **New Journal of Chemistry**, 26, 1108, (2002)

2003

189. ***Aerosol Generated Mesoporous Silica Particles***
N. Baccile, D. Grosso and C. Sanchez, **Journal of Materials Chemistry**, 13, 3011, (2003)

190. ***First In-Situ SAXS Studies of the Mesostructuration of Spherical Silica and Titania Particles During Spray-Drying Process***
C. Boissiere, D. Grosso, H. Amenitsch, A. Gibaud, A. Coupe, N. Baccile and C. Sanchez, **Chemical Communications**, 2798, (2003)

191. ***Use of Functional Dendritic Macromolecules for the Design of Metal Oxo Based Hybrid Materials***
A. Bouchara, L. Rozes, G. J. A. A. Soler-Illia, C. Sanchez, C. O. Turrin, A. M. Caminade and J. P. Majoral, **Journal of Sol-Gel Science and Technology**, 26, 629, (2003)

192. ***Humidity-Controlled Mesostructuration in CTAB-Templated Silica Thin Film Processing. The Existence of a Modulable Steady State***
F. Cagnol, D. Grosso, G. J. A. A. Soler-Illia, E. L. Crepaldi, F. Babonneau, H. Amenitsch and C. Sanchez, **Journal of Materials Chemistry**, 13, 61, (2003)

193. ***Controlled Formation of Highly Ordered Cubic and Hexagonal Mesoporous Nanocrystalline Yttria-Zirconia and Ceria-Zirconia Thin Films Exhibiting High Thermal Stability***
E. L. Crepaldi, G. J. A. A. Soler-Illia, A. Bouchara, D. Grosso, D. Durand and C. Sanchez, **Angewandte Chemie-International Edition**, 42, 347, (2003)

194. ***Controlled Formation of Highly Organized Mesoporous Titania Thin Films: From Mesostructured Hybrids to Mesoporous Nanoanatase TiO_2***
E. L. Crepaldi, G. J. A. A. Soler-Illia, D. Grosso, F. Cagnol, F. Ribot and C. Sanchez, **Journal of the American Chemical Society**, 125, 9770, (2003)

195. ***Nanocrystallised Titania and Zirconia Mesoporous Thin Films Exhibiting Enhanced Thermal Stability***
E. L. Crepaldi, G. J. A. A. Soler-Illia, D. Grosso and M. Sanchez, **New Journal of Chemistry**, 27, 9, (2003)

196. ***Evaporation-Controlled Self-Assembly of Silica Surfactant Mesophases***
A. Gibaud, D. Grosso, B. Smarsly, A. Baptiste, J. F. Bardeau, F. Babonneau, D. A. Doshi, Z. Chen, C. J. Brinker and C. Sanchez, **Journal of Physical Chemistry B**, 107, 6114, (2003)

197. ***A First Insight in the Mechanisms Involved in the Self-Assembly of 2D-Hexagonal Templated SiO_2 and TiO_2 Mesostructured Films During Dip-Coating***
D. Grosso, F. Babonneau, C. Sanchez, G. J. A. A. Soler-Illia, E. L. Crepaldi, P. A. Albouy, H. Amenitsch, A. R. Balkenende and A. Brunet-Bruneau, **Journal of Sol-Gel Science and Technology**, 26, 561, (2003)

198. ***Nanocrystalline Transition-Metal Oxide Spheres with Controlled Multi-Scale Porosity***
D. Grosso, G. Illia, E. L. Crepaldi, B. Charleux and C. Sanchez, **Advanced Functional Materials**, 13, 37, (2003)

199. ***Highly Porous TiO_2 Anatase Optical Thin Films with Cubic Mesostructure Stabilized at 700°C***
D. Grosso, G. J. A. A. Soler-Illia, E. L. Crepaldi, F. Cagnol, C. Sinturel, A. Bourgeois, A. Brunet-Bruneau, H. Amenitsch, P. A. Albouy and C. Sanchez, **Chemistry of Materials**, 15, 4562, (2003)

200. ***Influence of the Matrix in the Optical Response of Organic-Inorganic Hybrid Materials Doped with Europium(III)***
B. Julian, H. Beltran, E. Cordoncillo, P. Escribano, B. Viana and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 26, 977, (2003)

201. ***Synthesis and Characterization of Transparent PDMS-Metal-Oxo Based Organic-Inorganic Nanocomposites***
B. Julian, C. Gervais, E. Cordoncillo, P. Escribano, F. Babonneau and C. Sanchez, **Chemistry of Materials**, 15, 3026, (2003)

202. ***Photochromic Properties of a Spirooxazine and a Spiropyran in Alcoholic Solutions of Zirconium and Aluminium Alkoxides: Influence of the Ethyl Acetoacetate Chelating Agent on the Optical Properties***
A. Lafuma, S. Chodorowski-Kimmes, F. X. Quinn and C. Sanchez, **European Journal of Inorganic Chemistry**, 331, (2003)

203. ***Solid State NMR Characterization of Oxygen Sites in Organically Modified Aluminosilicate Xerogels***
A. Lafuma, F. Fayon, D. Massiot, S. Chodorowski-Kimmes and C. Sanchez, **Magnetic Resonance in Chemistry**, 41, 944, (2003)

204. ***Synthesis of Highly Ordered Mesoporous Hybrid Silica from Aromatic Fluorinated Organosilane Precursors***
B. Lebeau, C. Marichal, A. Mirjol, G. J. A. A. Soler-Illia, R. Buestrich, M. Popall, L. Mazerolles and C. Sanchez, **New Journal of Chemistry**, 27, 166, (2003)

205. ***One-pot synthesis of Phenyl- and Amine-Functionalized Silica Fibers through the Use of Anthracenic and Phenazinic Organogelators***
M. Llusar, G. Monros, C. Roux, J. L. Pozzo and C. Sanchez, **Journal of Materials Chemistry**, 13, 2505, (2003)

206. ***Design of Organically Functionalised Hybrid Silica Fibres through the Use of Anthracenic Organogelators***
M. Llusar, C. Roux, J. L. Pozzo and C. Sanchez, **Journal of Materials Chemistry**, 13, 442, (2003)

207. ***Mechanical Properties of SiO_2-PMMA Based Hybrid Organic-Inorganic Thin Films***
F. Mammeri, L. Rozes, C. Sanchez and E. Le Bourhis, **Journal of Sol-Gel Science and Technology**, 26, 413, (2003)

208. ***Titania-Polypyrrole Hybrid Nanocomposites Built from In-Situ Generated Organically Functionalized Nanoanatase Building Blocks***
S. Roux, G. J. A. A. Soler-Illia, S. Demoustier-Champagne, P. Audebert and C. Sanchez, **Advanced Materials**, 15, 217, (2003)

209. ***Optical Properties of Functional Hybrid Organic-Inorganic Nanocomposites***
C. Sanchez, B. Lebeau, F. Chaput and J. P. Boilot, **Advanced Materials**, 15, 1969, (2003)

210. ***Design of Functional Nanostructured Materials through the Use of Controlled Hybrid Organic-Inorganic Interfaces***
C. Sanchez, G. J. A. A. Soler-Illia, F. Ribot and D. Grosso, **Comptes Rendus Chimie**, 6, 1131, (2003)

211. ***Block Copolymer-Templated Mesoporous Oxides***
G. J. A. A. Soler-Illia, E. L. Crepaldi, D. Grosso and C. Sanchez, **Current Opinion in Colloid & Interface Science**, 8, 109, (2003)

212. ***Immobilisation of Single Molecule Magnets in Mesoporous Silica Hosts***
S. Willemin, G. Arrachart, L. Lecren, J. Larionova, T. Coradin, R. Clerac, T. Mallah, C. Guerin and M. Sanchez, **New Journal of Chemistry**, 27, 1533, (2003)

213. ***Oriented ZnO Thin Films Synthesis by Sol-Gel Process for Laser Application***
L. Znaidi, G. Illia, S. Benyahia, C. Sanchez and A. V. Kanaev, **Thin Solid Films**, 428, 257, (2003)

214. ***Elaboration of ZnO Thin Films with Preferential Orientation by a Soft Chemistry Route***
L. Znaidi, G. Illia, R. Le Guennic, C. Sanchez and A. Kanaev, **Journal of Sol-Gel Science and Technology**, 26, 817, (2003)

2004

215. ***One-pot Aerosol Synthesis of Ordered Hierarchical Mesoporous Core-Shell Silica Nanoparticles***
S. Areva, C. Boissiere, D. Grosso, T. Asakawa, C. Sanchez and M. Linden, **Chemical Communications**, 1630, (2004)

216. ***An Optical Fibre pH Sensor Based on Dye Doped Mesostructured Silica***
O. Bel Hadj Miled, D. Grosso, C. Sanchez and J. Livage, **Journal of Physics and Chemistry of Solids**, 65, 1751, (2004)

217. ***Texturation of Nanocrystalline CeO_2-Based Materials in the Presence of Poly-γ-Benzyl-L-Glutamate***
A. Bouchara, G. Mosser, G. Siker-Illia, J. Y. Chane-Ching and C. Sanchez, **Journal of Materials Chemistry**, 14, 2347, (2004)

218. ***Determination of Pore Size Distribution in Thin Organized Mesoporous Silica Films by Spectroscopic Ellipsometry in the Visible and Infrared Range***
A. Bourgeois, A. B. Bruneau, S. Fisson, B. Demarets, D. Grosso, F. Cagnol, C. Sanchez and J. Rivory, **Thin Solid Films**, 447, 46, (2004)

219. ***An In-Situ Study of Mesostructured CTAB-Silica Film Formation using Infrared Ellipsometry: Evolution of Water Content***
A. Brunet-Bruneau, A. Bourgeois, F. Cagnol, D. Grosso, C. Sanchez and J. Rivory, **Thin Solid Films**, 455-56, 656, (2004)

220. ***A General One-pot Process Leading to Highly Functionalised Ordered Mesoporous Silica Films***
F. Cagnol, D. Grosso and C. Sanchez, **Chemical Communications**, 1742, (2004)

221. ***Solid State ^{47,49}Ti, ^{87}Sr and ^{137}Ba NMR Characterisation of Mixed Barium/Strontium Titanate Perovskites***
C. Gervais, D. Veautier, M. E. Smith, F. Babonneau, P. Belleville and C. Sanchez, **Solid State Nuclear Magnetic Resonance**, 26, 147, (2004)

222. ***New P^O Ligand Grafted on Periodically Organised Mesoporous Silicas for One-pot Bifunctionnal Catalysis: Coupling of Base Catalysed Knoevenagel Condensation with In Situ Rh Catalysed Hydrogenation***
F. Goettmann, D. Grosso, F. Mercier, F. Mathey and C. Sanchez, **Chemical Communications**, 1240, (2004)

223. ***Periodically Ordered Nanoscale Islands and Mesoporous Films Composed of Nanocrystalline Multimetallic Oxides***
D. Grosso, C. Boissiere, B. Smarsly, T. Brezesinski, N. Pinna, P. A. Albouy, H. Amenitsch, M. Antonietti and C. Sanchez, **Nature Materials**, 3, 787, (2004)

224. ***Fundamentals of Mesostructuring through Evaporation-Induced Self-Assembly***
D. Grosso, F. Cagnol, G. J. A. A. Soler-Illia, E. L. Crepaldi, H. Amenitsch, A. Brunet-Bruneau, A. Bourgeois and C. Sanchez, **Advanced Functional Materials**, 14, 309, (2004)

225. ***One-pot Self-Assembly of Mesostructured Silica Films and Membranes Functionalised with Fullerene Derivatives***
P. Innocenzi, P. Falcaro, S. Schergna, M. Maggini, E. Menna, H. Amenitsch, G. J. A. A. Soler-Illia, D. Grosso and C. Sanchez, **Journal of Materials Chemistry**, 14, 1838, (2004)

226. ***Synthesis and Optical Properties of Eu^{3+}-Doped Inorganic-Organic Hybrid Materials Based on Siloxane Networks***
B. Julian, R. Corberan, E. Cordoncillo, P. Escribano, B. Viana and C. Sanchez, **Journal of Materials Chemistry**, 14, 3337, (2004)

227. ***Solid State ^{17}O NMR Characterization of PDMS-M_xO_y (M = Ge(IV), Ti(IV), Zr(IV), Nb(V), and Ta(V)) Organic-Inorganic N anocomposites***
B. Julian, C. Gervais, M. N. Rager, J. Maquet, E. Cordoncillo, P. Escribano, F. Babonneau and C. Sanchez, **Chemistry of Materials**, 16, 521, (2004)

228. ***Structure and Surface Reactivity of Transition-Metal-Oxo-Organo Clusters: Contribution of Liquid and Solid State NMR to the Characterization of the Cluster $Ti_{16}O_{16}(OEt)_{32}$***
S. Le Calvé, B. Alonso, L. Rozes, C. Sanchez, M. N. Rager and D. Massiot, **Comptes Rendus Chimie**, 7, 241, (2004)

229. ***Design and Properties of Hierarchically Organized Hybrid Organic-Inorganic Nanocomposites***
B. Lebeau, J. Patarin and C. Sanchez, **Advances in Technology of Materials and Materials Processing**, 6, 298, (2004)

230. ***Time Dependence of the Indentation Behavior of Hybrid Coatings***
F. Mammeri, E. Le Bourhis, L. Rozes, C. Sanchez, A. Huignard and D. Lefevre, **Journal of Non-Crystalline Solids**, 345-46, 610, (2004)

231. ***New Layered Calcium Organosilicate Hybrids with Covalently Linked Organic Functionalities***
J. Minet, S. Abramson, B. Bresson, C. Sanchez, V. Montouillout and N. Lequeux, **Chemistry of Materials**, 16, 3955, (2004)

232. ***Phosphinine Stabilised Gold Nanoparticles: Synthesis and Immobilisation on Mesoporous Materials***
A. Moores, F. Goettmann, C. Sanchez and P. Le Floch, **Chemical Communications**, 2842, (2004)

233. ***Advanced Selective Optical Sensors Based on Periodically Organized Mesoporous Hybrid Silica Thin Films***
L. Nicole, C. Boissière, D. Grosso, P. Hesemann, J. Moreau and C. Sanchez, **Chemical Communications**, 2312, (2004)

234. ***Growth of Gold Nanoparticle Arrays in TiO_2 Mesoporous Matrixes***
M. D. Perez, E. Otal, S. A. Bilmes, G. J. A. A. Soler-Illia, E. L. Crepaldi, D. Grosso and C. Sanchez, **Langmuir**, 20, 6879, (2004)

235. ***NJC at the Heart of Modern Chemistry***
C. Sanchez, **New Journal of Chemistry**, 28, E1, (2004)

236. ***Highly Crystalline Cubic Mesoporous TiO_2 with 10 nm Pore Diameter Made with a New Block Copolymer Template***
B. Smarsly, D. Grosso, T. Brezesinski, N. Pinna, C. Boissiere, M. Antonietti and C. Sanchez, **Chemistry of Materials**, 16, 2948, (2004)

237. ***Designed Synthesis of Large Pore Mesoporous Silica-Zirconia Thin Films with High Mixing Degree and Tunable Cubic or 2D-Hexagonal Mesostructure***
G. J. A. A. Soler-Illia, E. L. Crepaldi, D. Grosso and C. Sanchez, **Journal of Materials Chemistry**, 14, 1879, (2004)

2005

238. ***Hybrid Non Silica Mesoporous Thin Films***
P. C. Angelome, S. Aldabe-Bilmes, M. E. Calvo, E. L. Crepaldi, D. Grosso, C. Sanchez and G. J. A. A. Soler-Illia, **New Journal of Chemistry**, 29, 59, (2005)

239. ***Spectroscopic Studies and Evanescent Optical Fibre Wave Sensing of Cu^{2+} Based on Activated Mesostructured Silica Matrix***
O. Bel Hadj Miled, C. Sanchez and J. Livage, **Journal of Materials Science**, 40, 4523, (2005)

240. ***New Hybrid Organic-Inorganic Nanocomposites Based on Functional $Ti_{16}O_{16}(OEt)_{24}(OEMA)_8$ Nano-Fillers***
S. Bocchini, G. Fornasieri, L. Rozes, S. Trabelsi, J. Galy, N. E. Zafeiropoulos, M. Stamm, J. F. Gerard and C. Sanchez, **Chemical Communications**, 2600, (2005)

241. ***Porosity and Mechanical Properties of Mesoporous Thin Films Assessed by Environmental Ellipsometric Porosimetry***
C. Boissiere, D. Grosso, S. Lepoutre, L. Nicole, A. B. Bruneau and C. Sanchez, **Langmuir**, 21, 12362, (2005)

242. ***Self-Assembly and Crystallization Behavior of Mesoporous, Crystalline HfO_2 Thin Films: A Model System for the Generation of Mesostructured Transition-Metal Oxides***
T. Brezesinski, B. Smarsly, K. Iimura, D. Grosso, C. Boissiere, H. Amenitsch, M. Antonietti and C. Sanchez, **Small**, 1, 889, (2005)

243. ***Anatase and Rutile TiO_2 Macrocellular Foams: Air-Liquid Foaming Sol-Gel Process towards Controlling Cell Sizes, Morphologies, and Topologies***
F. Carn, A. Colin, M. F. Achard, H. Deleuze, C. Sanchez and R. Backov, **Advanced Materials**, 17, 62, (2005)

244. ***Preparation of Multi-Nanocrystalline Transition Metal Oxide (TiO_2-$NiTiO_3$) Mesoporous Thin Films***
D. O. de Zarate, C. Boissiere, D. Grosso, P. A. Albouy, H. Amenitsch, P. Amoros and C. Sanchez, **New Journal of Chemistry**, 29, 141, (2005)

245. ***Electrochemical Evidences of Morphological Transformation in Ordered Mesoporous Titanium Oxide Thin Films***
M. Etienne, D. Grosso, C. Boissiere, C. Sanchez and A. Walcarius, **Chemical Communications**, 4566, (2005)

246. ***Reactivity of Titanium Oxo Ethoxo Cluster $Ti_{16}O_{16}(OEt)_{32}$. Versatile Precursor of NanoBuilding Block-Based Hybrid Materials***
G. Fornasieri, L. Rozes, S. Le Calve, B. Alonso, D. Massiot, M. N. Rager, M. Evain, K. Boubekeur and C. Sanchez, **Journal of the American Chemical Society**, 127, 4869, (2005)

247. ***New Hybrid Bidentate Ligands as Precursors for Smart Catalysts***
F. Goettmann, C. Boissiere, D. Grosso, F. Mercier, P. Le Floch and C. Sanchez, **Chemistry - A European Journal**, 11, 7416, (2005)

248. ***A Selective Chemical Sensor Based on the Plasmonic Response of Phosphinine-Stabilized Gold Nanoparticles Hosted on Periodically Organized Mesoporous Silica Thin Layers***
F. Goettmann, A. Moores, C. Boissiere, P. Le Floch and C. Sanchez, **Small**, 1, 636, (2005)

249. ***Hybrid Materials. Functional Properties. From Maya Blue to 21st Century Materials***
P. Gomez-Romero and C. Sanchez, **New Journal of Chemistry**, 29, 57, (2005)

250. ***Growth versus Cyclization in the Early Stages of the Polycondensation of Metal Alkoxides***
M. In and C. Sanchez, **Journal of Physical Chemistry B**, 109, 23870, (2005)

251. ***One-pot Synthesis and Optical Properties of Eu^{3+}-Doped Nanocrystalline TiO_2 and ZrO_2***
B. Julian, R. Corberan, E. Cordoncillo, P. Escribano, B. Viana and C. Sanchez, **Nanotechnology**, 16, 2707, (2005)

252. ***New Photoactive Hybrid Organic-Inorganic Materials Based on Titanium-Oxo-PHEMA Nanocomposites Exhibiting Mixed Valence Properties***
O. Kameneva, A. I. Kuznestov, L. A. Smirnova, L. Rozes, C. Sanchez, A. Alexandrov, N. Bityurin, K. Chhor and A. Kanaev, **Journal of Materials Chemistry**, 15, 3380, (2005)

253. ***Thermally Stable Nanocrystalline γ-Alumina Layers with Highly Ordered 3D Mesoporosity***
M. Kuemmel, D. Grosso, U. Boissiere, B. Smarsly, T. Brezesinski, P. A. Albouy, H. Amenitsch and C. Sanchez, **Angewandte Chemie-International Edition**, 44, 4589, (2005)

254. ***Light-Induced Charge Separation and Storage in Titanium Oxide Gels***
A. I. Kuznetsov, O. Kameneva, A. Alexandrov, N. Bityurin, P. Marteau, K. Chhor, C. Sanchez and A. Kanaev, **Physical Review E**, 71, (2005)

255. ***Grafting of Gold Nanoparticles onto Organogelator-Templated Fibrous Mercaptosilica***
M. Llusar, G. Monros, J. L. Pozzo, U. Roux and C. Sanchez, **Zeitschrift Fur Anorganische Und Allgemeine Chemie**, 631, 2215, (2005)

256. ***Mechanical Properties of Hybrid Organic-Inorganic Materials***
F. Mammeri, E. Le Bourhis, L. Rozes and C. Sanchez, **Journal of Materials Chemistry**, 15, 3787, (2005)

257. ***Functionalized Alkoxy Tin Clusters as Nanobuilding Blocks for Hybrid Materials***
E. Martinez-Ferrero, F. Ribot, L. Rozes, C. Sanchez and L. Matejka, **Progress in Solid State Chemistry**, 33, 89, (2005)

258. ***Mesostructured Hybrid Organic-Inorganic Thin Films***
L. Nicole, C. Boissiere, D. Grosso, A. Quach and C. Sanchez, **Journal of Materials Chemistry**, 15, 3598, (2005)

259. ***Physico-Chemical Control of Sol-Gel Transition of Titanium Alkoxide-Based Materials Studied by Rheology***
A. Ponton, S. Barboux-Doeuff and C. Sanchez, **Journal of Non-Crystalline Solids**, 351, 45, (2005)

260. ***In Situ Evaluation of Interfacial Affinity in CeO_2-Based Hybrid Nanoparticles by Pulsed Field Gradient NMR***
F. Ribot, V. Escax, C. Roiland, C. Sanchez, J. C. Martins, M. Biesemans, I. Verbruggen and R. Willem, **Chemical Communications**, 1019, (2005)

261. ***Reinforcement of Polystyrene by Covalently Bonded Oxo-Titanium Clusters***
L. Rozes, G. Fornasieri, S. Trabelsi, C. Creton, N. E. Zafeiropoulos, M. Stamm and C. Sanchez, **Progress in Solid State Chemistry**, 33, 127, (2005)

262. ***State of the Art Developments in Functional Hybrid Materials***
C. Sanchez, **Journal of Materials Chemistry**, 15, 3557, (2005)

263. ***Advanced Functional Nanomaterials - From Nanoscale Objects to Nanostructured Inorganic and Hybrid Materials***
C. Sanchez, **Progress in Solid State Chemistry**, 33, 57, (2005)

264. ***Biomimetism and Bioinspiration as Tools for the Design of Innovative Materials and Systems***
C. Sanchez, H. Arribart and M. M. G. Guille, **Nature Materials**, 4, 277, (2005)

265. ***Applications of Hybrid Organic-Inorganic Nanocomposites***
C. Sanchez, B. Julian, P. Belleville and M. Popall, **Journal of Materials Chemistry**, 15, 3559, (2005)

266. ***Novel Organo-Functional Titanium-Oxo-Cluster-Based Hybrid Materials with Enhanced Thermomechanical and Thermal Properties***
S. Trabelsi, A. Janke, R. Hassler, N. E. Zafeiropoulos, G. Fornasieri, S. Bocchini, L. Rozes, M. Stamm, J. F. Gerard and C. Sanchez, **Macromolecules**, 38, 6068, (2005)

2006

267. ***Spectro-Ellipsometric Studies of Activated Sol-Gel Thin Films to Detect Cu^{2+} Ions in Aqueous Solutions***
O. Bel Hadj Miled, C. Boissiere, C. Sanchez and J. Livage, **Journal of Physics and Chemistry of Solids**, 67, 1775, (2006)

268. ***Nanocrystalline Mesoporous γ-Alumina Powders "UPMC1 Material" Gathers Thermal and Chemical Stability with High Surface Area***
C. Boissiere, L. Nicole, C. Gervais, F. Babonneau, M. Antonietti, H. Amenitsch, C. Sanchez and D. Grosso, **Chemistry of Materials**, 18, 5238, (2006)

269. ***Generation of Self-Assembled 3D Mesostructured SnO_2 Thin Films with Highly Crystalline Frameworks***
T. Brezesinski, A. Fischer, K. Limura, C. Sanchez, D. Grosso, M. Antonietti and B. M. Smarsly, **Advanced Functional Materials**, 16, 1433, (2006)

270. ***Three-Dimensional Opal-Like Silica Foams***
F. Carn, H. Saadaoui, P. Masse, S. Ravaine, B. Julian-Lopez, C. Sanchez, H. Deleuze, D. R. Talham and R. Backov, **Langmuir**, 22, 5469, (2006)

271. ***Metallic Nanoparticles Hosted in Mesoporous Oxide Thin Films for Catalytic Applications***
G. Cortial, M. Siutkowski, F. Goettmann, A. Moores, C. Boissiere, D. Grosso, P. Le Floch and C. Sanchez, **Small**, 2, 1042, (2006)

272. ***Characterisation of the Grafting of (3-Aminoethyl)aminopropyltrimethoxysilane on Precipitated Silica***
S. de Monredon, A. Pottier, J. Maquet, F. Babonneau and C. Sanchez, **New Journal of Chemistry**, 30, 797, (2006)

273. ***Niobia-Stabilised Anatase TiO_2 Highly Porous Mesostructured Thin Films***
A. B. Dros, D. Grosso, C. Boissiere, G. J. A. A. Soler-Illia, P. A. Albouy, H. Amenitsch and C. Sanchez, **Microporous and Mesoporous Materials**, 94, 208, (2006)

274. ***Laser Imprinting of 3D Structures in Gel-Based Titanium Oxide Organic-Inorganic Hybrids***
E. Fadeeva, J. Koch, B. Chichkov, A. Kuznetsov, O. Kameneva, N. Bityurin, C. Sanchez and A. Kanaev, **Applied Physics a-Materials Science & Processing**, 84, 27, (2006)

275. ***Surface Nanopatterning by Organic-Inorganic Self-Local Assembly and Selective Local Functionalization***
A. Fisher, M. Kuemmel, M. Jarn, M. Linden, C. Boissiere, L. Nicole, C. Sanchez and D. Grosso, **Small**, 2, 569, (2006)

276. ***Highly Regioselective Terminal Alkynes Hydroformylation and Pauson-Khand Reaction Catalysed by Mesoporous Organised Zirconium Oxide Based Powders***
F. Goettmann, P. Le Floch and C. Sanchez, **Chemical Communications**, 180, (2006)

277. ***Hybrid Bidentate Ligand for Functional Recognition: an Application to Regioselective C=C Double Bond Hydrogenation***
F. Goettmann, P. Le Floch and C. Sanchez, **Chemical Communications**, 2036, (2006)

278. ***Periodically Organized Mesoporous Silica Thin Layers as Host for Phosphinines-Stabilized Gold Nanoparticles: UV-visible Sensing of Small Thiols and Phosphines***
F. Goettmann, A. Moores, C. Boissiere, P. Le Floch and C. Sanchez, **Thin Solid Films**, 495, 280, (2006)

279. ***Preparation, Treatment and Characterisation of Nanocrystalline Mesoporous Ordered Layers***
D. Grosso, C. Boissiere, L. Nicole and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 40, 141, (2006)

280. ***Eu^{3+}-Doped CdS Nanocrystals in SiO_2 Matrices: One-pot Sol-Gel Synthesis and Optical Characterization***
B. Julian, J. Planelles, E. Cordoncillo, P. Escribano, P. Aschehoug, C. Sanchez, B. Viana and F. Pelle, **Journal of Materials Chemistry**, 16, 4612, (2006)

281. ***New Hybrid Organic-Inorganic Materials Based on a Poly(Titanium Oxide) Gel with Efficient UV-Induced Separation of Charges***
O. V. Kameneva, A. I. Kuznetsov, L. A. Smirnova, L. Rosez, C. Sanchez, A. Kanaev, A. P. Alexandrov and N. M. Bityurin, **Doklady Physics**, 51, 103, (2006)

282. ***Extinction of Photo-Induced Ti^{3+} Centres in Titanium Oxide Gels and Gel-Based Oxo-PHEMA Hybrids***
A. I. Kuznetsov, O. Kameneva, L. Rozes, C. Sanchez, N. Bityurin and A. Kanaev, **Chemical Physics Letters**, 429, 523, (2006)

283. ***Nanostructured Hybrid Solar Cells Based on Self-Assembled Mesoporous Titania Thin Films***
E. Lancelle-Beltran, P. Prene, C. Boscher, P. Belleville, P. Buvat, S. Lambert, F. Guillet, C. Boissiere, D. Grosso and C. Sanchez, **Chemistry of Materials**, 18, 6152, (2006)

284. ***All Solid State Dye-Sensitized Nanoporous TiO_2 Hybrid Solar Cells with High Energy-Conversion Efficiency***
E. Lancelle-Beltran, P. Prene, C. Boscher, P. Belleville, P. Buvat and C. Sanchez, **Advanced Materials**, 18, 2579, (2006)

285. ***Elaboration and Mechanical Characterization of Nanocomposites Thin Films - Part I: Determination of the Mechanical Properties of Thin Films Prepared by In Situ Polymerisation of Tetraethoxysilane in Poly(methyl methacrylate)***
F. Mammeri, E. Le Bourhis, L. Rozes and C. Sanchez, **Journal of the European Ceramic Society**, 26, 259, (2006)

286. ***Elaboration and Mechanical Characterization of Nanocomposites Thin Films - Part II. Correlation between Structure and Mechanical Properties of SiO_2-PMMA Hybrid Materials***
F. Mammeri, L. Rozes, E. Le Bourhis and C. Sanchez, **Journal of the European Ceramic Society**, 26, 267, (2006)

287. ***Electrochemical Investigations into Ferrocenylphosphonic Acid Functionalized Mesostructured Porous Nanocrystalline Titanium Oxide Films***
E. Martinez-Ferrero, D. Grosso, C. Boissiere, C. Sanchez, O. Oms, D. Leclercq, A. Vioux, F. Miomandre and P. Audebert, **Journal of Materials Chemistry**, 16, 3762, (2006)

288. ***Ink Jet Printing of Microdot Arrays of Mesostructured Silica***
M. Mougenot, M. Lejeune, J. F. Baumard, C. Boissiere, F. Ribot, D. Grosso, C. Sanchez and R. Noguera, **Journal of the American Ceramic Society**, 89, 1876, (2006)

289. ***Morphology Templating of Nanofibrous Silica through pH-Sensitive Gels: "In Situ" and "Post-Diffusion" Strategies***
G. Roy, J. F. Miravet, B. Escuder, C. Sanchez and M. Llusar, **Journal of Materials Chemistry**, 16, 1817, (2006)

290. ***Titanium-Oxo Clusters, Versatile Nanobuilding Blocks for the Design of Advanced Hybrid Materials***
L. Rozes, N. Steunou, G. Fornasieri and C. Sanchez, **Monatshefte Fur Chemie**, 137, 501, (2006)

291. ***Optimised Photocatalytic Activity of Grid-Like Mesoporous TiO_2 Films: Effect of Crystallinity, Pore Size Distribution and Pore Accessibility***
Y. Sakatani, D. Grosso, L. Nicole, C. Boissiere, G. J. A. A. Soler-Illia and C. Sanchez, **Journal of Materials Chemistry**, 16, 77, (2006)

292. ***Atom Transfer Radical Polymerization of Styrene and Methyl Methacrylate from Mesoporous Ordered Silica Particles***
M. Save, G. Granvorka, J. Bernard, B. Charleux, C. Boissiere, D. Grosso and C. Sanchez, **Macromolecular Rapid Communications**, 27, 393, (2006)

293. ***Tailoring the Structure of Hybrid Organic-Inorganic Nanomaterials Built on Tetra- and Polyfunctional Alco-Oxo-Titanium Clusters in Polystyrene***
S. Trabelsi, G. Fornasieri, L. Rozes, A. Janke, A. Mensch, C. Sanchez and M. Stamm, **Journal of Applied Crystallography**, 39, 656, (2006)

294. ***Hierarchically Structured Transparent Hybrid Membranes by In-Situ Growth of Mesostructured Organosilica in Host Polymer***
K. Valle, P. Belleville, F. Pereira and C. Sanchez, **Nature Materials**, 5, 107, (2006)

2007

295. ***Stability of Mesoporous Oxide and Mixed Metal Oxide Materials under Biologically Relevant Conditions***
J. D. Bass, D. Grosso, C. Boissiere, E. Belamie, T. Coradin and C. Sanchez, **Chemistry of Materials**, 19, 4349, (2007)

296. ***Synthesis, Characterization and Optical Properties of Eu_2O_3 Mesoporous Thin Films***
Y. Castro, B. Julian, C. Boissiere, B. Viana, H. Amenitsch, D. Grosso and C. Sanchez, **Nanotechnology**, 18, 055705, (2007)

297. ***Preparation, Structural and Optical Characterization of Rare Earth Doped Mesoporous Y_2O_3 Thin Films by EISA Method***
Y. Castro, B. Julian-Lopez, C. Boissiere, B. Viana, D. Grosso and C. Sanchez, **Microporous and Mesoporous Materials**, 103, 273, (2007)

298. ***Titanium Oxo-Clusters as Nanobuilding Blocks for Microsystems Technology***
S. Cochet, L. Rozes, M. Popall and C. Sanchez, **Materials Science and Engineering C** 27, 1401, (2007)

299. ***Bioinspired Enantioselective Catalysis: Racemic or Achiral Metal Complexes Grafted on Mesoporous Material Functionalized with Chiral Molecules***
G. Cortial, F. Goettmann, F. Mercier, P. Le Floch and C. Sanchez, **Catalysis Communications**, 8, 215, (2007)

300. ***Molecular Transport into Mesostructured Silica Thin Films: Electrochemical Monitoring and Comparison Between p6m, $P6_3/mmc$, and Pm3n Structures***
M. Etienne, A. Quach, D. Grosso, L. Nicole, C. Sanchez and A. Walcarius, **Chemistry of Materials**, 19, 844, (2007)

301. ***How Does Confinement Affect the Catalytic Activity of Mesoporous Materials?***
F. Goettmann and C. Sanchez, **Journal of Materials Chemistry**, 17, 24, (2007)

302. ***Ultralow-Dielectric-Constant Optical Thin Films Built from Magnesium Oxyfluoride Vesicle-Like Hollow Nanoparticles***
D. Grosso, C. Boissiere and C. Sanchez, **Nature Materials**, 6, 572, (2007)

303. ***Mesoporous Maghemite-Organosilica Microspheres: a Promising Route Towards Multifunctional Platforms for Smart Diagnosis and Therapy***
B. Julian-Lopez, C. Boissiere, C. Chaneac, D. Grosso, S. Vasseur, S. Miraux, E. Duguet and C. Sanchez, **Journal of Materials Chemistry**, 17, 1563, (2007)

304. ***A Chemical Solution Deposition Route To Nanopatterned Inorganic Material Surfaces***
M. Kuemmel, J. Allouche, L. Nicole, C. Boissiere, C. Laberty, H. Amenitsch, C. Sanchez and D. Grosso, **Chemistry of Materials**, 19, 3717, (2007)

305. ***Nanostructured Titanium Oxynitride Porous Thin Films as Efficient Visible-Active Photocatalysts***
E. Martinez-Ferrero, Y. Sakatani, C. Boissière, D. Grosso, A. Fuertes, J. Fraxedas and C. Sanchez, **Advanced Functional Materials**, 17, 3348, (2007)

306. ***Rare Earth Doped Mesoporous Hybrid Thin Films with Tunable Optical Responses***
A. Quach, V. Escax, L. Nicole, P. Goldner, O. Guillot-Noel, P. Aschehoug, P. Hesemann, J. Moreau, D. Gourier and C. Sanchez, **Journal of Materials Chemistry**, 17, 2552, (2007)

307. ***One-pot Syntheses of the First Series of Emulsion Based Hierarchical Hybrid Organic-Inorganic Open-Cell Monoliths Possessing Tunable Functionality (Organo-Si(HIPE) series)***
S. Ungureanu, M. Birot, G. Laurent, H. Deleuze, O. Babot, B. Julian-Lopez, M. F. Achard, M. I. Popa, C. Sanchez and R. Backov, **Chemistry of Materials**, 19, 5786, (2007)

308. ***Characterization of Titanium Dioxide Nanoparticles Dispersed in Organic Ligand Solutions by Using a Diffusion-Ordered Spectroscopy-Based Strategy***
L. Van Lokeren, G. Maheut, F. Ribot, V. Escax, I. Verbruggen, C. Sanchez, J. C. Martins, M. Biesemans and R. Willem, **Chemistry - A European Journal**, 13, 6957, (2007)

309. ***Study of Metal Nanoparticles Stabilised by Mixed Ligand Shell: a Striking Blue Shift of the Surface-Plasmon Band Evidencing the Formation of Janus Nanoparticles***
C. Vilain, F. Goettmann, A. Moores, P. Le Floch and C. Sanchez, **Journal of Materials Chemistry**, 17, 3509, (2007)

2008

310. ***Structured Hybrid Nanoparticles via Surface-initiated ATRP of Methyl Methacrylate from Ordered Mesoporous Silica***
F. Audouin, H. Blas, P. Pasetto, P. Beaunier, C. Boissiere, C. Sanchez, M. Save and B. Charleux, **Macromolecular Rapid Communications**, 29, 914, (2008)

311. ***Core-shell Effects of Functionalized Oxide Nanoparticles Inside Long-range Meso-ordered Spray-dried Silica Spheres***
N. Baccile, A. Fischer, B. Julian-Lopez, D. Grosso and C. Sanchez, **Journal of Sol-Gel Science and Technology**, 47, 119, (2008)

312. ***Hybrid Mesostructured Thin Films Functionalized with DBM as New Selective Sensors of BF_3***
P. Banet, L. Legagneux, P. Hesemann, J. J. E. Moreau, L. Nicole, A. Quach, C. Sanchez and T. H. Tran-Thi, **Sensors and Actuators B-Chemical**, 130, 1, (2008)

313. ***Thermally Induced Porosity in CSD MgF_2-Based Optical Coatings: an Easy Method to Tune the Refractive Index***
J. D. Bass, C. Boissiere, L. Nicole, D. Grosso and C. Sanchez, **Chemistry of Materials**, 20, 5550, (2008)

314. ***Pyrolysis, Crystallization, and Sintering of Mesostructured Titania Thin Films Assessed by In Situ Thermal Ellipsometry***
J. D. Bass, D. Grosso, C. Boissiere and C. Sanchez, **Journal of the American Chemical Society**, 130, 7882, (2008)

315. ***Elaboration of Monodisperse Spherical Hollow Particles with Ordered Mesoporous Silica Shells via Dual Latex/Surfactant Templating: Radial Orientation of Mesopore Channels***
H. Blas, M. Save, P. Pasetto, C. Boissiere, C. Sanchez and B. Charleux, **Langmuir**, 24, 13132, (2008)

316. ***Eu3+ @Organo-Si(HIPE) Macro-Mesocellular Hybrid Foams Generation: Syntheses, Characterizations, and Photonic Properties***
N. Brun, B. Julian-Lopez, P. Hesemann, G. Laurent, H. Deleuze, C. Sanchez, M. F. Achard and R. Backov, **Chemistry of Materials**, 20, 7117, (2008)

317. ***Structure and Mechanical Properties of Mesostructured Functional Hybrid Coatings Based on Anisotropic Nanoparticles Dispersed in Poly(hydroxylethyl methacrylate)***
N. Chemin, L. Rozes, C. Chaneac, S. Cassaignon, E. Le Bourhis, J. P. Jolivet, O. Spalla, E. Barthel and C. Sanchez, **Chemistry of Materials**, 20, 4602, (2008)

318. ***Photonic and Nanobiophotonic Properties of Luminescent Lanthanide-doped Hybrid Organic-Inorganic Materials***
P. Escribano, B. Julian-Lopez, J. Planelles-Arago, E. Cordoncillo, B. Viana and C. Sanchez, **Journal of Materials Chemistry**, 18, 23, (2008)

319. ***Sorption Properties of Mesoporous Multilayer Thin Films***
M. C. Fuertes, S. Colodrero, G. Lozano, A. R. Gonzalez-Elipe, D. Grosso, C. Boissiere, C. Sanchez, G. Soler-Illia and H. Miguez, **Journal of Physical Chemistry C**, 112, 3157, (2008)

320. ***Highly Ordered Metal Oxide Nanopatterns Prepared by Template-assisted Chemical Solution Deposition***
M. Kuemmel, C. Boissiere, L. Nicole, C. Laberty-Robert, C. Sanchez and D. Grosso, **Journal of Sol-Gel Science and Technology**, 48, 102, (2008)

321. ***Sol-gel route to Advanced Nanoelectrode Arrays (NEA) based on Titania Gold Nanocomposites***
C. Laberty-Robert, M. Kuemmel, J. Allouche, C. Boissiere, L. Nicole, D. Grosso and C. Sanchez, **Journal of Materials Chemistry**, 18, 1216, (2008)

322. ***Solid-state Organic/Inorganic Hybrid Solar Cells based on Poly(octylthiophene) and Dye-sensitized Nanobrookite and Nanoanatase TiO_2 Electrodes***
E. Lancelle-Beltran, P. Prene, C. Boscher, P. Belleville, P. Buvat, S. Lambert, F. Guillet, C. Marcel and C. Sanchez, **European Journal of Inorganic Chemistry**, 903, (2008)

323. ***Europium-doped Mesoporous Titania Thin Films: Rare-earth Locations and Emission Fluctuations under Illumination***
C. M. Leroy, T. Cardinal, V. Jubera, M. Treguer-Delapierre, J. Majimel, J. P. Manaud, R. Backov, C. Boissiere, D. Grosso, C. Sanchez, B. Viana and F. Pelle, **ChemPhysChem**, 9, 2077, (2008)

324. ***Inorganic and Hybrid Nanofibrous Materials Templated with Organogelators***
M. Llusar and C. Sanchez, **Chemistry of Materials**, 20, 782, (2008)

325. ***Optical Properties of Hybrid Dendritic-mesoporous Titania Nanocomposite Films***
E. Martinez-Ferrero, G. Franc, S. Mazeres, U. O. Turrin, U. Boissiere, A. M. Caminade, J. P. Majoral and C. Sanchez, **Chemistry-a European Journal**, 14, 7658, (2008)

326. ***Advanced Mesostructured Hybrid Silica-Nafion Membranes for High-performance PEM Fuel Cell***
F. Pereira, K. Valle, P. Belleville, A. Morin, S. Lambert and C. Sanchez, **Chemistry of Materials**, 20, 1710, (2008)

327. ***Lanthanide doped ZnS Quantum Dots Dispersed in Silica Glasses: an Easy One Pot Sol-Gel Synthesis for obtaining Novel Photonic Materials***
J. Planelles-Arago, B. Julian-Lopez, E. Cordoncillo, P. Escribano, F. Pelle, B. Viana and C. Sanchez, **Journal of Materials Chemistry**, 18, 5193, (2008)

328. ***Photochromic Hybrid Organic-Inorganic Liquid-crystalline Materials built from Nonionic Surfactants and Polyoxometalates: Elaboration and Structural Study***
A. S. Poulos, D. Constantin, P. Davidson, M. Imperor, B. Pansu, P. Panine, L. Nicole and C. Sanchez, **Langmuir**, 24, 6285, (2008)

329. ***Bio-inspired Synthetic Pathways and Beyond: Integrative Chemistry***
E. Prouzet, S. Ravaine, C. Sanchez and R. Backov, **New Journal of Chemistry**, 32, 1284, (2008)

330. ***Coupling Nanobuilding Block and Breath Figures Approaches for the Designed Construction of Hierarchically Templated Porous Materials and Membranes***
Y. Sakatani, C. Boissiere, D. Grosso, L. Nicole, G. Soler-Illia and C. Sanchez, **Chemistry of Materials**, 20, 1049, (2008)

331. ***Design, Synthesis, and Properties of Inorganic and Hybrid Thin Films having Periodically Organized Nanoporosity***
C. Sanchez, C. Boissiere, D. Grosso, C. Laberty and L. Nicole, **Chemistry of Materials**, 20, 682, (2008)

332. ***First Pd@Organo-Si(HIPE) Open-Cell Hybrid Monoliths Generation Offering Cycling Heck Catalysis Reactions***
S. Ungureanu, H. Deleuze, C. Sanchez, M. I. Popa and R. Backov, **Chemistry of Materials**, 20, 6494, (2008)

2009

333. ***Formation of Palladium Nanostructures in a Seed-Mediated Synthesis throught an Oriented-Attachment-Directed Aggregation***
L. Bisson, C. Boissiere, L. Nicole, D. Grosso, J.-P. Jolivet, C. Thomazeau, D. Uzio, G. Berhault and C. Sanchez, **Chemistry of Materials**, 21, 2668, (2009)

334. ***Hard Macrocellular Silica Si(HIPE) Foams Templating Micro/Macroporous Carbonaceous Monoliths: Applications as Lithium Ion Battery Negative Electrodes and Electrochemical Capacitors***
N. Brun, S. R. S. Prabaharan, M. Morcrette, C. Sanchez, G. Pécastaings, A. Derre, A. Soum, H. Deleuze, M. Birot and R. Backov, **Advanced Functional Materials**, 19, 3136, (2009)

335. ***New Aluminosilicate Materials with Hierarchical Porosity Generated by Aerosol Process***
A. Chaumonnot, F. Tihay, A. Coupe, S. Pega, C. Boissiere, D. Grosso and C. Sanchez, **Oil & Gas Science and Technology-Revue De L Institut Francais Du Petrole**, 64, 681, (2009)

336. ***A New Photoactive Crystalline Highly Porous Titanium(IV) Dicarboxylate***
M. Dan-Hardi, C. Serre, T. Frot, L. Rozes, G. Maurin, C. Sanchez and G. Ferey, **Journal of the American Chemical Society**, 131, 10857, (2009)

337. ***Elaboration and properties of hierarchically structured optical thin films of MIL-101(Cr)***
A. Demessence, P. Horcajada, C. Serre, C. Boissiere, D. Grosso, C. Sanchez and G. Férey, **Chemical Communications**, 7149, (2009)

338. ***Design, Synthesis, Structural and Textural Characterization, and Electrical Properties of Mesoporous Thin Films Made of Rare Earth Oxide Binaries***
J. Hierso, O. Sel, A. Ringuede, C. Laberty-Robert, L. Bianchi, D. Grosso and C. Sanchez, **Chemistry of Materials**, 21, 2184, (2009)

339. ***Colloidal Route for Preparing Optical Thin Films of Nanoporous Metal-Organic Frameworks***
P. Horcajada, C. Serre, D. Grosso, C. Boissiere, S. Perruchas, C. Sanchez and G. Ferey, **Advanced Materials**, 21, 1931, (2009)

340. ***Hierarchical Inorganic Nanopatterning (INP) through Direct Easy Block-copolymer Templating***
M. Kuemmel, J. H. Smatt, C. Boissiere, L. Nicole, C. Sanchez, M. Linden and D. Grosso, **Journal of Materials Chemistry**, 19, 3638, (2009)

341. ***Laser-induced Photopatterning of Organic-Inorganic TiO_2-based Hybrid Materials with Tunable Interfacial Electron Transfer***
A. I. Kuznetsov, O. Kameneva, N. Bityurin, L. Rozes, C. Sanchez and A. Kanaev, **Physical Chemistry Chemical Physics**, 11, 1248, (2009)

342. ***Sol-gel technique for the generation of europium-doped mesoporous and dense thin films: A luminescent study***
C. Leroy, T. Cardinal, V. Jubera, M. Treguer-Delapierre, R. Backov, C. Boissiere, D. Grosso, C. Sanchez, B. Viana and F. Pelle, **Journal of Luminescence**, 129, 1641, (2009)

343. ***Mechanistic Insight into Surface-Initiated Polymerization of Methyl Methacrylate and Styrene via ATRP from Ordered Mesoporous Silica Particles***
P. Pasetto, H. Blas, F. Audouin, C. Boissiere, C. Sanchez, M. Save and B. Charleux, **Macromolecules**, 42, 5983, (2009)

344. ***Direct Aerosol Synthesis of Large-Pore Amorphous Mesostructured Aluminosilicates with Superior Acid-Catalytic Properties***
S. Pega, C. Boissiere, D. Grosso, T. Azais, A. Chaumonnot and C. Sanchez, **Angewandte Chemie-International Edition**, 48, 2784, (2009)

345. ***One-Pot Synthesis of Functional Helicoidal Hybrid Organic-Inorganic Nanofibers with Periodically Organized Mesoporosity (p NA)***
F. Rambaud, K. Valle, S. Thibaud, B. Julian-Lopez and C. Sanchez, **Advanced Functional Materials**, 19, 2896, (2009)

346. ***Highly Ordered Transparent Mesoporous TiO_2 Thin Films: an Attractive Matrix for Efficient Immobilization and Spectroelectrochemical Characterization of Cytochrome c***
C. Renault, V. Balland, E. Martinez-Ferrero, L. Nicole, C. Sanchez and B. Limoges, **Chemical Communications**, 7494, (2009)

347. ***Hybrid Functional Mesostructured Thin Films with Photo-oxidative Properties in the Visible Range***
P. Saint-Cricq, T. Pigot, L. Nicole, C. Sanchez and S. Lacombe, **Chemical Communications**, 5281, (2009)

348. ***Block-Copolymer-Templated Synthesis of Electroactive RuO_2-Based Mesoporous Thin Films***
C. Sassoye, C. Laberty, H. Le Khanh, S. Cassaignon, C. Boissiere, M. Antonietti and C. Sanchez, **Advanced Functional Materials**, 19, 1922, (2009)

349. ***Designing Meso- and Macropore Architectures in Hybrid Organic-Inorganic Membranes by Combining Surfactant and Breath Figure Templating (BFT)***
O. Sel, C. Laberty-Robert, T. Azais and C. Sanchez, **Physical Chemistry Chemical Physics**, 11, 3733, (2009)

350. ***Mesoporous Coated Films on Love Wave Acoustic Devices for Gas Detection***
G. Tortissier, L. Blanc, A. Tetelin, C. Zimmermann, J. L. Lachaud, C. Boissiere, C. Sanchez, C. Dejous and D. Rebiere, **Sensor Letters**, 7, 984, (2009)

2010

351. ***Direct Electrogeneration of FePt Nanoparticles into Highly Ordered Inorganic NanoPattern Stabilising Membranes***
J. Allouche, D. Lantiat, M. Kuemmel, M. Faustini, C. Laberty, C. Chaneac, E. Tronc, C. Boissiere, L. Nicole, C. Sanchez and D. Grosso, **Journal of Sol-Gel Science and Technology**, 53, 551, (2010)

352. ***Nanostructuration of Titania Films Prepared by Self-Assembly to Affect Cell Adhesion***
J. D. Bass, E. Belamie, D. Grosso, C. Boissiere, T. Coradin and C. Sanchez, **Journal of Biomedical Materials Research Part A**, 93A, 96, (2010)

353. ***Enzyme-Based Hybrid Macroporous Foams as Highly Efficient Biocatalysts Obtained through Integrative Chemistry***
N. Brun, A. B. Garcia, H. Deleuze, M. F. Achard, C. Sanchez, F. Durand, V. Oestreicher and R. Backov, **Chemistry of Materials**, 22, 4555, (2010)

354. ***Preparation of LiBH4@carbon micro-macrocellular foams: tuning hydrogen release through varying microporosity***
N. Brun, R. Janot, C. Sanchez, H. Deleuze, C. Gervais, M. Morcrette and R. Backov, **Energy & Environmental Science**, 3, 824, (2010)

355. ***Controlled Design of Size-Tunable Monodisperse Nickel Nanoparticles***
S. Carenco, C. Boissiere, L. Nicole, C. Sanchez, P. Le Floch and N. Mezailles, **Chemistry of Materials**, 22, 1340, (2010)

356. ***White Phosphorus and Metal Nanoparticles: a Versatile Route to Metal Phosphide Nanoparticles***
S. Carenco, M. Demange, J. Shi, C. Boissiere, C. Sanchez, P. Le Floch and N. Mezailles, **Chemical Communications**, 46, 5578, (2010)

357. ***Advanced Drug Delivery Vectors with Tailored Surface Properties Made of Mesoporous Binary Oxides Submicronic Spheres***
M. Colilla, M. Manzano, I. Izquierdo-Barba, M. Vallet-Regi, C. Boissiere and C. Sanchez, **Chemistry of Materials**, 22, 1821, (2010)

358. ***Adsorption properties in high optical quality nanoZIF-8 thin films with tunable thickness***
A. Demessence, C. Boissiere, D. Grosso, P. Horcajada, C. Serre, G. Ferey, G. Soler-Illia and C. Sanchez, **Journal of Materials Chemistry**, 20, 7676, (2010)

359. ***Hydrophobic, Antireflective, Self-Cleaning, and Antifogging Sol-Gel Coatings: An Example of Multifunctional Nanostructured Materials for Photovoltaic Cells***
M. Faustini, L. Nicole, C. Boissiere, P. Innocenzi, C. Sanchez and D. Grosso, **Chemistry of Materials**, 22, 4406, (2010)

360. ***Inkjet-Printing-Engineered Functional Microdot Arrays Made of Mesoporous Hybrid Organosilicas***
B. Fousseret, M. Mougenot, F. Rossignol, J. F. Baumard, B. Soulestin, C. Boissiere, F. Ribot, D. Jalabert, C. Carrion, C. Sanchez and M. Lejeune, **Chemistry of Materials**, 22, 3875, (2010)

361. ***$Ti_8O_8(OOCR)_{16}$ a new Family of Titanium-Oxo-Clusters: Potential NBUs for Reticular Chemistry***
T. Frot, S. Cochet, G. Laurent, C. Sassoye, M. Popall, C. Sanchez and L. Rozes, **European Journal of Inorganic Chemistry**, 5650, (2010)

362. ***Proton transport properties in hybrid membranes investigated by ac-electrogravimetry***
L. T. T. Kim, O. Sel, C. Debiemme-Chouvy, C. Gabrielli, C. Laberty-Robert, H. Perrot and C. Sanchez, **Electrochemistry Communications**, 12, 1136, (2010)

363. ***Gold Nanoelectrode Arrays and their Evaluation by Impedance Spectroscopy and Cyclic Voltammetry***
D. Lantiat, V. Vivier, C. Laberty-Robert, D. Grosso and C. Sanchez, **ChemPhysChem**, 11, 1971, (2010)

364. ***Tailor-made Nanometer-scale Patterns of Photo-switchable Prussian Blue Analogues***
S. Lepoutre, D. Grosso, C. Sanchez, G. Fornasieri, E. Riviere and A. Bleuzen, **Advanced Materials**, 22, 3992, (2010)

365. ***Nanocasted Mesoporous Nanocrystalline ZnO Thin Films***
S. Lepoutre, B. Julian-Lopez, C. Sanchez, H. Amenitsch, M. Linden and D. Grosso, **Journal of Materials Chemistry**, 20, 537, (2010)

366. ***Integrative Approaches to Hybrid Multifunctional Materials: From Multidisciplinary Research to Applied Technologies***
L. Nicole, L. Rozes and C. Sanchez, **Advanced Materials**, 22, 3208, (2010)

367. ***Grafting Polymer Chains Bearing an N-Succinimidyl Activated Ester End-Group onto Primary Amine-Coated Silica Particles and Application of a Simple, One-Step Approach via Nitroxide-Mediated Controlled/Living Free-Radical Polymerization***
J. Parvole, L. Ahrens, H. Blas, J. Vinas, C. Boissiere, C. Sanchez, M. Save and B. Charleux, **Journal of Polymer Science Part a-Polymer Chemistry**, 48, 173, (2010)

368. ***New silicate bonding technique for composite laser materials***
P. O. Petit, P. Goldner, C. Boissiere, C. Sanchez and B. Viana, **Optical Materials**, 32, 1368, (2010)

369. ***High-Surface-Area Nanoporous Boron Carbon Nitrides for Hydrogen Storage***
D. Portehault, C. Giordano, C. Gervais, I. Senkovska, S. Kaskel, C. Sanchez and M. Antonietti, **Advanced Functional Materials**, 20, 1827, (2010)

370. ***Nonaqueous Route toward a Nanostructured Hybrid Titanate***
D. Portehault, C. Giordano, C. Sanchez and M. Antonietti, **Chemistry of Materials**, 22, 2125, (2010)

371. ***"Chimie douce": a Land of Opportunities for the Designed Construction of Functional Inorganic and Hybrid Organic-Inorganic Nanomaterials***
C. Sanchez, L. Rozes, F. Ribot, C. Laberty-Robert, D. Grosso, C. Sassoye, C. Boissiere and L. Nicole, **Comptes Rendus Chimie**, 13, 3, (2010)

372. ***Proton Insertion Properties in a Hybrid Membrane/Conducting Polymer Bilayer Investigated by AC Electrogravimetry***
O. Sel, L. T. T. Kim, C. Debiemme-Chouvy, C. Gabrielli, C. Laberty-Robert, H. Perrot and C. Sanchez, **Journal of the Electrochemical Society**, 157, F69, (2010)

373. ***Original Fuel-Cell Membranes from Crosslinked Terpolymers via a "Sol-Gel" Strategy***
O. Sel, A. Soules, B. Ameduri, B. Boutevin, C. Laberty-Robert, G. Gebel and C. Sanchez, **Advanced Functional Materials**, 20, 1090, (2010)

374. ***Palladium Nanoparticles Heterogeneous Nucleation within Organically Grafted Silica Foams and their Use as Catalyst Supports toward the Suzuki-Miyaura and Mizoroki-Heck Coupling Reactions***
S. Ungureanu, H. Deleuze, O. Babot, M. F. Achard, C. Sanchez, M. I. Popa and R. Backov, **Applied Catalysis A: General**, 390, 51, (2010)

375. ***Syntheses and Characterization of New Organically Grafted Silica Foams***
S. Ungureanu, G. Laurent, H. Deleuze, O. Babot, M. F. Achard, M. I. Popa, C. Sanchez and R. Backov, **Colloids and Surfaces a-Physicochemical and Engineering Aspects**, 360, 85, (2010)

2011

376. ***Aerosol Route to Functional Nanostructured Inorganic and Hybrid Porous Materials***
C. Boissiere, D. Grosso, A. Chaumonnot, L. Nicole and C. Sanchez, **Advanced Materials**, In press, DOI: 10.1002/adma.201001410, (2011)

377. ***Molecular and Supramolecular Dynamics of Hybrid Organic-Inorganic Interfaces for the Rational Construction of Advanced Hybrid Nanomaterials***
D. Grosso, F. Ribot, C. Boissiere and C. Sanchez, **Chemical Society Reviews**, In press, DOI: 10.1039/C0CS00039F, (2011)

378. ***Mesoporous SiO_2 Thin Films containing Photoluminescent ZnO Nanoparticles and Simultaneous SAXS/WAXS/ellipsometry Experiments***
N. Krins, J. D. Bass, B. Julian-Lopez, P. Evrar, C. Boissiere, L. Nicole, C. Sanchez, H. Amenitsch and D. Grosso, **Journal of Materials Chemistry**, In press, DOI: 10.1039/C0JM02823A, (2011)

379. ***Titanium Oxo-Clusters: Precursors for a Legolike Construction of Nanostructured Hybrids Materials***
L. Rozes and C. Sanchez, **Chemical Society Reviews**, In press, DOI: 10.1039/C0CS00137F (2011)

380. ***Applications of Advanced Hybrid Organic–Inorganic Nanomaterials: from Laboratory to Market***
C. Sanchez, P. Belleville, M. Popall and L. Nicole, **Chemical Society Reviews**, In press, DOI: 10.1039/c0cs00136h, (2011)

381. ***Design and Properties of Functional Hybrid Membranes for Fuel Cells***
C. Sanchez, K. Valle, F. Perreira and C. Laberty-Robert, **Chemical Society Reviews**, In press, DOI:10.1039/C0CS00144A, (2011)

Popular Scientifc Articles

1. ***Le Procédé Sol-Gel: Modification Chimique des Alcoxydes / Sol-gel Process: Chemical Modification of Alkoxides***
C. Sanchez, **L'Industrie Céramique**, 831, 711, (1988)

2. ***Synthese Sol-Gel d'un Supraconducteur $YBa_2Cu_3O_{7-x}$ par Polymerisation Mixte Organique-Inorganique / Sol-Gel Synthesis of a $YBa_2Cu_3O_{7-x}$ Superconductor by Mixed Organic-Inorganic Polymerization***
I. Valente, C. Sanchez, M. Henry and J. Livage, **L'Industrie Céramique**, 836, 193, (1989)

3. ***Towards a Soft and Biomimetic Nanochemistry***
J. Livage and C. Sanchez, L'**Actualité Chimique**, 72, (2005)

4. ***Matériaux Hybrides Multifonctionnels : du Champ d'Investigation Pluridisciplinaire aux Applications***
C. Sanchez, **Lettre de l'Académie des sciences**, 23, 10, (2008).

Book Chapters

1. ***Some Aspects of the Chemistry of Transition Metal Oxide Gels***
J. Livage, F. Babonneau, C. Sanchez, **Inorganic and Organometallic Oligomers and Polymers**, J. F. Harrod and R. M. Laine (Eds), Kluwer Academic Pulishers, 217, (1991)

2. ***Transition Metal Oxo Polymers Synthesized via Sol-Gel Chemistry***
C. Sanchez, F. Ribot, S. Doeuff, **Organometallic Polymers with Special Properties**, R. M. Laine (Ed.), Kluwer Academic Publisher, 267, (1992)

3. ***Sol-Gel Chemistry for Optical Materials***
J. Livage, F. Babonneau, C. Sanchez, in **Sol-Gel Optics, Processing and Applications**, L. C. Klein (Ed.), Kluwer Academic Publisher, 371, (1993)

4. ***Matériaux Hybrides Organiques-Inorganiques pour l'Opto-électronique***
C. Sanchez, **Optoelectronique Moléculaire**, Arago 13, OFTA, Ed Masson, Paris, (1993)

5. ***Les Matériaux Hybrides : Définition et Classification***
C. Sanchez, dans **Matériaux Hybrides**, Arago 17, OFTA, Ed Masson, Paris, (1996)

6. ***Chimie des Matériaux Hybrides élaborés par la Méthode Sol-Gel***
C. Sanchez, F. Babonneau, dans **Matériaux Hybrides**, Arago 17, OFTA, Ed Masson, Paris, (1996)

7. ***Matériaux Hybrides Organominéraux pour l'Optique Nonlinéaire Quadratique***
B. Lebeau, C. Sanchez, F.Chaput, J.P. Boilot, dans **Matériaux Hybrides**, Arago 17, OFTA, Ed Masson, Paris, (1996)

8. ***Matériaux Bio-inspirés : Structures à Base Inorganique***
C. Sanchez, B. Lebeau, J. Patarin, dans **Biomimétisme et Matériaux**, Arago 25, OFTA, Ed Tec et Doc, Paris, (2001)

9. ***Des Chimistes à l'Ecole du Vivant***
B. Bensaude-Vincent, H. Arribart, Y. Bouligand et C. Sanchez, dans **Biomimétisme et Matériaux**, Arago 25, OFTA, Ed Tec et Doc, Paris, (2001)

10. ***Optical Properties of Functional Hybrid Organic-Inorganic Nanocomposites***
C**.** Sanchez, B. Lebeau, F. Chaput and J.-P. Boilot, **Functional Hybrid Inorganic-Organic Materials**, P. Gomez-Romero and C. Sanchez (Eds), Wiley-VCH, (2004)

11. ***Introduction to Functional Hybrid Materials***
P. Gomez-Romero and C. Sanchez, **Functional Hybrid Inorganic-Organic Materials**, P. Gomez-Romero and C. Sanchez (Eds), Wiley-VCH, (2004)

12. ***Hybrid Materials (Organic-Inorganic)***
C. Sanchez and G. J. A. A. Soler-Illia, **Encyclopedia of Chemical Processing (ECHP)**, Dekker Encyclopedia, (2005)

PATENTS

1. ***Matériaux Sol-Gel Inorganiques ayant une Susceptibilité du Second Ordre / Transparent Sol-Gel materials with Second Order Susceptibility***
J. Zyss, I. Ledoux, G. Puccetti, P. Griesmar, C. Sanchez and J. Livage, *France Telecom; Centre National de la Recherche Scientifique - CNRS*, **FR2675509; DE69213808; JP5224255; US5449733; EP0511080**, (1992)

2. ***Solutions Colloïdales Concentrées de Particules Monocristallines non Agrégées d'Oxydes de Métaux, leur Procédé de Préparation et leur Application à l'Obtention de Films / Concentrated Colloidal Solutions of Monocrystalline non Aggregated Particles of Metal Oxides, Method for their Preparation and Application to the Production of Films***
M. Chatry, M. Henry, M. In and C. Sanchez, *Rhône-Poulenc Chimie*, **FR2681534; EP0627960; WO/1993/005875**, (1993)

3. ***Sols ou Gels de Polymères Mixtes Organiques et Inorganiques, leur Procédé de Préparation et leur Application comme Matériaux Polymères Chargés***
M. In, C. Sanchez and J.-C. Daniel, *Rhône-Poulenc Chimie*, **FR2681602**, (1993)

4. ***Polymères Mixtes Organiques-Inorganiques, leur Procédé de Préparation et leur Utilisation comme Matériaux Polymères Chargés***
M. In, C. Sanchez and J.-C. Daniel, *Rhône-Poulenc Chimie*, **FR2681603**, (1993)

5. ***Composition Cosmétique ou Dermatologique formant, sur un Substrat Kératinique, un Revêtement en un Matériau Hybride Réticulé / Cosmetic or Dermatological Composition forming, on Keratin Substrate, a Film in Cross-Linked Hybrid Material***
J. Mondet, F. X. Quinn and C. Sanchez, *L'Oréal*, **EP0971685; WO/1998/044906**, (1998)

6. ***Agent Cosmétique pour le Démaquillage d'un Revêtement Filmogène en Matériau Hybride Réticulé / Cosmetic Agent for Removal of a Film formed by Cross-linked Hybrid Material***
F. X. Quinn, P. Giustiniani and C. Sanchez, *L'Oréal*, **FR2790664; EP1158951; WO/2000/053153**, (2000)

7. ***Matériaux Photochromes à Réponse très Rapide / Photochromic Materials with Rapid Response Time***
B. Sahut, R. Marcel and C. Sanchez, *Produits pour les Techniques Avancées - Protavic Sarl*, **FR2795085**, (2000)

8. ***Composition Cosmétique à Base de Composés Organiques du Silicium, peu ou pas Polymérisés, Solubles dans l'Eau, et Partiellement Neutralisés / Cosmetic Compositions Based on Partly Neutralised Organic Silicon Compounds***
H. Samain, I. Rollat, V. Jeanne Rose and C. Sanchez, *L'Oréal*, **FR2783164; EP1216018; WO/2001/022925**, (2000)

9. ***Composition Cosmétique à Base de Composés Organiques du Silicium, peu ou pas Polymérisés, Solubles dans l'Eau, et Comportant au moins une Fonction Solubilisante Non-Basique / Cosmetic Compositions Based on Organic Silicon Compounds Comprising at least a Non-basic Solubilising Function***
H. Samain, I. Rollat, V. Jeanne Rose and C. Sanchez, *L'Oréal*, **FR2783167; EP1216022; WO/2001/022931**, (2000)

10. ***Composition Cosmétique à Base de Composés Organiques du Silicium, peu ou pas Polymérisés, Solubles dans l'Eau, et Comportant Deux Fonctions Non-Hydrolysables dont Une au Moins a un Effet Cosmétique***
H. Samain, I. Rollat, V. Jeanne Rose and C. Sanchez, *L'Oréal*, **FR2783165**, (2000)

11. ***Nouvelles Compositions Minérales utilisables en tant que Précurseurs d'Hydroxyapatite - Application au Renforcement des Bétons / Novel Mineral Compositions for use as Hydroxyapatite Precursors - Use for Reinforcing Concrete***
J. Y. Chane-Ching, C. Sanchez and D. Damidot, *Rhodia Chimie; Bouygues Travaux Publics; Lafarge*, **FR2796061; WO/2001/002294**, (2001)

12. ***Procédé pour Améliorer la Stabilité, vis à vis du rayonnement UV, de Filtres Solaires Photosensibles / Method for Improving UV Radiation Stability of Photosensitive Sunscreen Filters***
S. Chodorowski, F. X. Quinn and C. Sanchez, *L'Oréal*, **FR2799119; EP1135101; WO/2001/024762**, (2001)

13. ***Matériau Comprenant un Filtre UV-A Organique et Procédé de Déplacement de la Longueur d'Onde d'Absorption Maximale / Material Comprising an Organic UV-A Filter and Method for Displacing the Maximum Absorption Wavelength***
S. Chodorowski, F. X. Quinn and C. Sanchez, *L'Oréal*, **FR2799120; EP1235552; WO/2001/024768**, (2001)

14. ***Composition Cosmétique à Base de Composés Organiques du Silicium Comportant au Moins Une Fonction à Effet Cosmétique / Cosmetic Composition Base on Organic Silicon Compounds Comprising at Least a Function with Cosmetic Effect***
H. Samain, I. Rollat, V. Jeanne Rose and C. Sanchez, *L'Oréal*, **EP1216023; WO/2001/022932**, (2001)

15. ***Composition Comprenant des Photochromes et son Utilisation en Cosmétique***
S. Chodorowski Kimmes, A. Lafuma, F. X. Quinn and C. Sanchez, *L'Oréal*, **FR2838960**, (2003)

16. ***Matériau Hybride Organique-Inorganique Conducteur Comprenant une Phase Mésoporeuse, Membrane, Electrode et Pile à Combustible / Conductive Organic-Inorganic Hybrid Material Comprising a Mesoporous Phase, Membrane, Electrode and Fuel Cell***
K. Valle, P. Belleville and C. Sanchez, *Commissariat à l'Energie Atomique - CEA*, **FR2850300; EP1587876; WO/2004/067640**, (2004)

17. ***Matériau Hybride Organique-Inorganique Comprenant une Phase Minérale Mésoporeuse et une Phase Organique, Membrane et Pile à Combustible / Organic-Inorganic Hybrid Material Containing a Mineral Mesoporous Phase and an Organic Phase, a Membrane and Fuel Cell***
K. Valle, P. Belleville and C. Sanchez, *Commissariat à l'Energie Atomique - CEA*, **FR2850301; EP1585783; WO/2004/067611**, (2004)

18. ***Matériau Hybride Inorganique-Organique Semi-Conducteur p-n, son Procédé de Fabrication et Cellule Photovoltaïque Comprenant ledit Matériau / p-n Semiconductor Inorganic-Organic Hybrid Material, its Method of Production and Photovoltaic Cell Comprising Said Material***
P. Belleville, C. Sanchez, P. Buvat and P. Prene, *Commissariat à l'Energie Atomique - CEA*, **FR2862429; EP1704607; WO/2005/050752;** , (2005)

19. ***Matériau à Porosité Hiérarchisée Comprenant du Silicium / Material with a Hierarchical Porosity Comprising Silicon***
A. Chaumonnot, A. Coupe, C. Sanchez, P. Euzen, C. Boissiere and D. Grosso, *Institut Français du Pétrole - IFP*, **FR2872152; JP2006008510; US20060030477; EP1627853**, (2005)

20. ***Matériau Aluminosilicate Mésostructuré / Mesostructured Aluminosilicate Material***

A. Chaumonnot, A. Coupe, C. Sanchez, P. Euzen, C. Boissiere and D. Grosso, *Institut Français du Pétrole - IFP*, **FR2872151; JP2006008509; US20060292054; EP1627852**, (2005)

21. ***Solides Inorganiques, notamment Poreux, en particulier Mesoporeux, Modifiés par des Molécules Organiques Chélatant des Métaux de Transition, leur Préparation et leur Utilisation comme Catalyseurs / Inorganic Solids, such as Porous and particularly Mesoporous Inorganic Solids, which are Modified by Transition Metal-Chelating Organic Molecules, Preparation Method thereof and Use of same as Catalysts***

F. Goettmann, D. Lefevre, C. Sanchez, F. Mathey, P. Le Floch and C. Jacquiod, *Saint-Gobain Recherche*, **FR2865664; WO/2005/075074**, (2005)

22. ***Composés, Matériaux Poreux Hybrides Organique-Inorganiques Mésostructurés et Capteurs utiles pour la Détection ou le Dosage de Composés Gazeux Halogénés / Porous Hybrid Organic-Inorganic Materials for the Detection of Halogens***

T. H. Tran-Thi, C. Sanchez, L. Nicole and P. Hesemann, *Commissariat à l'Energie Atomique - CEA; Centre National de la Recherche Scientifique - CNRS; Université Pierre et Marie Curie - UPMC*, **FR2869036; EP1745055; WO/2005/100371**, (2005)

23. ***Matériau Inorganique Présentant des Nanoparticules Métalliques Piégées dans une Matrice Mésostructurée / Inorganic Material Comprising Metal Nanoparticles Trapped in a Mesostructured Matrix***

A. Chaumonnot, A. Coupe, C. Sanchez, C. Boissiere and D. Grosso, *Institut Français du Pétrole - IFP*, **FR2886636; EP1893531; WO/2006/128988**, (2006)

24. ***Matériau Mésostructuré à Forte Teneur en Aluminium / Mesostructured Material with High Aluminum Content***

A. Chaumonnot, A. Coupe, C. Sanchez, P. Euzen, C. Boissiere and D. Grosso, *Institut Français du Pétrole - IFP*, **FR2886637; EP1910226; WO/2006/128989**, (2006)

25. ***Utilisation d'un Matériau Nanostructuré comme Revêtement Protecteur de Surfaces Métalliques / Use of a Nanostructured Material as a Protective Coating of Metal Surfaces***

E. Campazzi, V. Goletto and C. Sanchez, *European Aeronautic Defense and Space Company - EADS France; Université Pierre et Marie Curie - UPMC; Centre National de la Recherche Scientifique - CNRS*, **FR2899906; WO/2007/119023**, (2007)

26. ***Matériau Hybride Organique-Inorganique Mésostructuré / Mesostructured Organic-Inorganic Hybrid Material***

A. Chaumonnot, S. Pega, C. Sanchez, C. Boissiere and D. Grosso, *Institut Français du Pétrole - IFP*, **FR2894580; EP1963341; WO/2007/065982**, (2007)

27. ***Oxyfluorure Poreux Nanostructuré / Oxyfluoride in the Form of a Film and Preparation Method***

D. Grosso, C. Boissiere and C. Sanchez, *Université Pierre et Marie Curie - UPMC; Centre National de la Recherche Scientifique - CNRS*, **FR2893320; WO/2007/057551**, (2007)

28. ***Matériau Alvéolaire Hybride, Procédé pour sa Préparation / Hybrid Material, and Method for the Production Thereof***

R. Backov, C. Sanchez, H. Deleuze and S. Ungureanu, *Université Pierre et Marie Curie - UPMC*, **FR2912400; WO/2008/129151**, (2008)

29. ***Procédé de Synthèse de Nanoparticules Métalliques Cubiques en Présence de Deux Réducteurs / Method for the Synthesis of Cubic Metal Nanoparticles in the Presence of Two Reducers***

L. Bisson, C. Thomazeau, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2914200; WO/2008/132314**, (2008)

30. ***Revêtements Mésostructurés pour Application en Aéronautique et Aérospatiale / Mesostructured Skins for Application in the Aeronautics and Aerospace Industries***
E. Campazzi, E. Lancelle-Beltran and C. Sanchez, *European Aeronautic Defense and Space Company - EADS France; Université Pierre et Marie Curie - UPMC; Centre National de la Recherche Scientifique - CNRS*, **FR2906539; WO/2008/040895**, (2008)

31. ***Matériau Nanostructuré Particulier, comme Revêtement Protecteur de Surfaces Métalliques***
E. Campazzi, E. Lancelle-Beltran and C. Sanchez, *European Aeronautic Defense and Space Company - EADS France; Université Pierre et Marie Curie - UPMC; Centre National de la Recherche Scientifique - CNRS*, **FR2914631; EP1978055**, (2008)

32. ***Matériau Cristallisé à Porosité Hiérarchisée et Comprenant du Silicium / Crystallised Materials with Hierarchised Porosity and Containing Silicon***
A. Chaumonnot, A. Coupe, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2920758; WO/2009/060143**, (2009)

33. ***Matériau Amorphe à Porosité Hiérarchisée et Comprenant du Silicium / Amorphous Materials Having a Hierarchised Porosity and Comprising Silicon***
A. Chaumonnot, A. Coupe, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2920755; WO/2009/056710**, (2009)

34. ***Matériau Cristallisé Comprenant du Silicium à Porosité Hiérarchisée et Organisée / Crystallised Materials Containing Silicon with Hierarchised and Organised Porosity***
A. Chaumonnot, S. Pega, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2920757; WO/2009/060144**, (2009)

35. ***Matériau Amorphe Comprenant du Silicium à Porosité Hiérarchisée et Organisée / Amorphous Materials Comprising Silicon and Having an Organised and Hierarchised Porosity***
A. Chaumonnot, S. Pega, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2920756; WO/2009/056711**, (2009)

36. ***Matériau Aluminosilicate Mésostructuré formé de Particules Sphériques de Taille Spécifique / Mesostructured Aluminosilicate Material formed from Spherical Particles of Specific Size***
A. Chaumonnot, A. Coupe, C. Sanchez, C. Boissiere and M. Martin, *Institut Français du Pétrole - IFP*, **FR2929265; WO/2009/122022**, (2009)

37. ***Matériau Mésostructuré à Forte Teneur en Aluminium et Constitué de Particules Sphériques de Taille Spécifique / Mesostructured Materials having a High Aluminium Content and composed of Spherical Particles of Specific Size***
A. Chaumonnot, M. Martin, A. Coupe, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2929266; WO/2009/122023** (2009)

38. ***Matériau Inorganique Formé de Particules Sphériques de Taille Spécifique et Présentant des Nanoparticules Métalliques Piégées dans une Matrice Mésostructurée / Inorganic Material formed from Spherical Particles of Specific Size and having Metallic Nanoparticles trapped in a Mesostructured Matrix***
A. Chaumonnot, M. Martin, A. Coupe, C. Sanchez and C. Boissiere, *Institut Français du Pétrole - IFP*, **FR2929264; WO/2009/130401** (2009)

39. ***Moyens de Texturation de Couches Mésostructurées pour la Protection de Structures Aéronautiques / Mesostructured Coatings comprising a Specific Texture Agent for Application in Aeronautics and Aerospace***
S. de Monredon, E. Campazzi, C. Sanchez, L. Nicole and F. Ribot, *European Aeronautic Defense and Space Company - EADS France; Université Pierre et Marie Curie - UPMC; Centre National de la Recherche Scientifique - CNRS*, **FR29229622; WO/2009/136044**, (2009)

40. ***Procédé de Préparation d'un Monolithe de Carbone ou de Céramiques Alvéolaires comportant un Réseau Poreux Hiérachisé / Method for Preparing a Cellular Carbon Monolith comprising a Hierarchised Porous Network***
R. Backov, N. Brun and C. Sanchez, *Université Pierre et Marie Curie - UPMC*, **FR2937970; WO/2010/049650**, (2010)

41. ***Procédé de Stockage de l'Hydrogène dans un Matériau Monolithique Poreux, Matériau Composite obtenu et Applications / Method for Storing Hydrogen in a Porous Monolithic Materials, Composite Materials obtained and Applications***
R. Backov, C. Sanchez, R. Janot and N. Brun, *Université Pierre et Marie Curie - UPMC*, **FR2937964; WO/2010/049649**, (2010)

42. ***Matériau Solide Hybride Inorganique-Organique à base de Titane, son Procédé de Préparation et Utilisations / Titanium-based Inorganic-Organic Hybrid Solid Material, Method for preparing same and Uses thereof***
G. Ferey, C. Sanchez, L. Rozes, M. Dan, C. Serre and T. Frot, *Université Pierre et Marie Curie - UPMC*, **FR2942229; WO/2010/094889**, (2010)

43. ***Dispositif Micro-Fluidique pour Convoyer un Produit par Diffusion dans un Substrat Poreux / Microfluidic Device for transporting a Product by Diffusion in a Porous Substrate***
D. Grosso, M. Linden and C. Sanchez, *Université Pierre et Marie Curie - UPMC*, **FR2946269; WO/2010/142700**, (2010)

44. ***Nanofibres hybrides organiques-inorganiques à phase inorganique mésoporeuse, leur préparation par extrusion électroassistée, membrane, électrode, et pile à combustible***
J. D. Bass, C. Laberty-Robert, C. Sanchez, F. Pereira, K. Valle and P. Belleville, *Commissariat à l'Energie Atomique - CEA*, ***National registration number - N° d'enregistrement national:*** **FR 10-52577**, (*Filing date - Date de dépôt:* 06/04/2010)

45. ***Catalyseur Enzymatique Hétérogène, Procédé de Préparation et Utilisation pour la Catalyse Enzymatique en Flux Continu***
N. Brun, H. Deleuze, C. Sanchez and R. Backov, *Université Pierre et Marie Curie - UPMC*, ***National registration number - N° d'enregistrement national:*** **FR 10-56099**, (*Filing date - Date de dépôt:* 26/07/2010)

46. ***Procédé de Préparation d'un Matériau Sphérique à Porosité Hiérarchisée comprenant des Particules Métalliques piégées dans une Matrice Mésostructurée***
A. Chaumonnot, F. Colbeau-Justin, C. Boissiere, A. Bonduelle and C. Sanchez, *Institut Français du Pétrole - IFP*, ***National registration number - N° d'enregistrement national:*** **FR 10/05.031**, (*Filing date - Date de dépôt:* xx/12/2010)

47. ***Matériau Sphérique comprenant des Nanoparticules Métalliques piégées dans une Matrice Oxyde Mésostructurée et son Utilisation comme Catalyseurs dans les Procédés du Raffinage***
A. Chaumonnot, F. Colbeau-Justin, C. Boissiere, A. Bonduelle and C. Sanchez, *Institut Français du Pétrole - IFP*, ***National registration number - N° d'enregistrement national:*** **FR 10/05.029**, (*Filing date - Date de dépôt:* xx/12/2010)

48. ***Procédé de Préparation d'un Matériau Sphérique à Porosité Hiérarchisée comprenant des Nanoparticules Métalliques piégées dans une Matrice à base de Silicium***
A. Chaumonnot, F. Colbeau-Justin, C. Boissiere, A. Bonduelle and C. Sanchez, *Institut Français du Pétrole - IFP*, ***National registration number - N° d'enregistrement national:*** **FR 10/05.033**, (*Filing date - Date de dépôt:* xx/12/2010)

49. ***Matériau Sphérique à base d'Hétéropolyanions Piégés dans une Matrice Oxyde Mésostructurée et son Utilisation comme Catalyseurs dans les Procédés du Raffinage***
A. Chaumonnot, F. Colbeau-Justin, C. Boissiere, C. Sanchez, A. Daudin, A. Bonduelle, B. Guichard, K. Marchand, E. Devers and D. Uzio, *Institut Français du Pétrole - IFP*, ***National registration number - N° d'enregistrement national:*** **FR 10/05.030**, (*Filing date - Date de dépôt:* xx/12/2010)

50. ***Catalyseurs supportés enzymatiques hybrides macrocelluaires et applications***
N. Brun, A. Babeau-Garcia, C. Sanchez and R. Backov, *Université Pierre et Marie Curie - UPMC*, ***National registration number - N° d'enregistrement national:*** **FR 09-54634**, (*Filing date - Date de dépôt:* xx/xx/2009)

51. ***Modifications de carbones monolithiques alvéolaires par nucléation hetérogène de $LiBH_4$ et applications***
N. Brun, R. Janot, C. Sanchez and R. Backov, *Université Pierre et Marie Curie - UPMC*, (*Filing date - Date de dépôt:* xx/xx/2009)

PROCEEDINGS

1. ***ESR Analysis of Brownian Motion in V_2O_5 Xerogels after Adsorption of Water***
C. Sanchez, J. Livage, P. Tougne, A. P. Legrand, **Magnetic Resonance in Colloid and Interface Science**, J. Fraissard et H. Resing - D. Reidel (Eds), 559, (1980)

2. ***The Gel Route to TiO_2 Photoanodes***
S. Doeuff, M. Henry, C. Sanchez, **Materials Research Society Symposium Proceedings**, *73*, 653, (1986)

3. ***Chemical Modification of TEOS with Acetic Acid***
A. Campero, R. Arroyo, C. Sanchez, J. Livage, **Ultrastructure Processing of Advanced Ceramics**, 327, (1988)

4. ***Synthesis and Characterization of Vanadium Oxide Gels from Alkoxy-Vanadates Precursors***
C. Sanchez, M. Nabavi, F. Taulelle, **Materials Research Society Symposium Proceedings**, *121*, 93, (1988)

5. ***Optical Properties of Transition Metal Oxide Gels***
C. Sanchez, **Sol-Gel Optics**, SPIE, *1328*, 40 (1990)

6. ***Molecular Structure of Metal Alkoxide Precursors***
C. Sanchez, P. Tolédano, F. Ribot, **Materials Research Society Symposium Proceedings**, *180*, 47, (1990)

7. ***Orientation of Organic Molecules in Sol-Gel Matrices: for Quadratic Nonlinear Optics***
G. Puccetti, E. Toussaere, I. Ledoux, J. Zyss, P. Griesmar, C. Sanchez, **Polymer Preprints**, *32*, 61, (1991)

8. ***Tailoring of Ce(IV) alkoxide precursors***
F. Ribot, C. Sanchez, J. Livage, **Chemical Processing of Advanced Materials**, *25*, 267, (1992)

9. ***Tailoring of Transition Metal Alkoxides via Complexation for the Synthesis of Hybrid Organic-Inorganic Sol-Gels***
C. Sanchez, M. In, P. Tolédano, P. Griesmar, **Materials Research Society Symposium Proceedings**, *271*, 69 (1992)

10. ***Hydrolysis-Condensation of Alkyltin-Trialkoxides***
F. Ribot, F. Banse, C. Sanchez, **Materials Research Society Symposium Proceedings,** *271*, 45 (1992)

11. ***Sol-gel Synthesis of Metal Oxide Clusters and Colloids***
J. Livage, C. Sanchez, P. Tolédano, **Materials Research Society Symposium Proceedings,** *272*, 3, (1992)

12. ***Optical Coatings Based on Transition Metal Oxide gels***
C. Sanchez, J. Livage, **Progress in Research and Development of Processes and Products from Sols and Gels - Eurogel 91**, S. Vilminot, R. Nass, H. Schmidt (Eds), 131, (1992)

13. ***Energy Transfer Between Eu^{2+}, Eu^{3+} and Rh6G in Silica, Zirconia and Alumina gels***
W. Nie, B. Dunn, C. Sanchez, P. Griesmar, **Materials Research Society Symposium Proceedings**, *271*, 639, (1992)

14. ***Sol-Gel Chemistry for Non Linear Optics***
J. Livage, C. Schmutz, P. Griesmar, P. Barboux, C. Sanchez, **Sol-Gel Optics II**, SPIE, *1758*, 274, (1992)

15. ***Chemical Design of Hybrid Organic-Inorganic Materials Synthesized via Sol-Gel Chemistry***
C. Sanchez, F. Ribot, **Proceedings of the First European Worshop on Hybrid Organic-Inorganic Materials**, Bierville, France, (1993)

16. ***Molecular Design of Hybrid Organic-Inorganic Materials Synthesized via Sol-Gel Chemistry***
C. Sanchez, F. Banse, F. Babonneau, S. Doeuff, M. In, F. Ribot, **Proceedings of the First International Meeting on Soft Chemistry**, Materials Science Forum, Trans Tech Publications, J. Rouxel, M. Tournoux R. Brec (Eds.) *152-153*, 313, (1994)

17. ***NLO and Luminescent Properties of Hybrid Siloxane-Oxide Coatings***
C. Sanchez, B. Lebeau, B.Viana, **Sol-Gel Optics III**, SPIE, *2288*, 227, (1994)

18. ***Sol-Gel Synthesis of Hybrid Organic-Inorganic Tin Oxide Based Materials***
F. Ribot, F. Banse, C.Sanchez, **Materials Research Society Symposium Proceedings**, *346*, 121, (1994)

19. ***Synthesis of Hybrid Organic-Inorganic Sol-Gel Coatings for Optics***
B. Lebeau, C. Guermeur, C. Sanchez, **Materials Research Society Symposium Proceedings**, *346*, 315, (1994)

20. ***Optical Properties of Hybrid Siloxane Oxide Coatings***
C. Sanchez, B. Viana, B. Lebeau, P. Aschehoug, **Sol-Gel Optics III**, SPIE, *2288*, (1994)

21. ***Synthesis and Characterization of Titanium Oxo-Alkoxides Obtained through Solvothermal Process***
N. Steunou, Y. Dromzee, F. Roberts, C. Sanchez, **Materials Research Society Symposium Proceedings**, *435*, 487, (1996)

22. ***Effect of Processing Parameters on Second Order Nonlinearities of Azodye Grafted Hybrid Sol-Gel Coatings***
B. Lebeau, C. Sanchez, S. Brasselet, J. Zyss, **Materials Research Society Symposium Proceedings**, *435*, 395, (1996)

23. ***Hybrid Organic-Inorganic Systems Derived from Organotin Nanobuilding blocks***
F. Ribot, C. Eychenne-Baron, F. Banse, C. Sanchez, **Materials Research Society Symposium Proceedings**, *435*, 43, (1996)

24. ***Vanadium-Oxo Based Hybrid Organic-Inorganic Copolymers***
A. Campero, A. Soto, J. Maquet, C. Sanchez, **Materials Research Society Symposium Proceedings**, *435*, 527, (1996)

25. ***Hydrolysis-Condensation Behavior of Acetylacetone Modified Tin(IV) Tetratert-amyloxide***
L. Armelao, F. Ribot, C. Sanchez, **Materials Research Society Symposium Proceedings**, *435*, 387, (1996)

26. ***Investigation of Dye-Matrix Interactions in Sol Gel Derived Hybrid Organic-Inorganic Nanocomposites***
C. Guermeur, C. Sanchez, B. Schaudel, K. Nakatani, J. A. Delaire, F. Del Monte, D. Levy, **Sol-Gel Optics IV**, SPIE, 2288, (1997)

27. ***Hybrid Materials Made by Polymerization of Nanobuilding-Blocks. $\{(BuSn)_{12}O_{14}(OH)_6\}^{2+}(AAMPS^-)_2$ (AAMPS = 2-acrylamido-2-methyl-1-propanesulfonate)***
F. Ribot, C. Eychenne-Baron, C. Sanchez, **Materials Research Society Symposium Proceedings**, *519*, 29, (1998)

28. ***Synthesis and Characterization of Surface Protected Nanocrystalline Particles of Titania***
E. Scolan, C. Sanchez, **Materials Research Society Symposium Proceedings,** *519*, 329, (1998)

29. ***Synthesis and Characterization of Hybrid Materials Obtained through Hydrolysis of AlkoxySilanes and Vanadium Alkoxides***
B. Alonso, J. Maquet, B. Viana, C. Sanchez, **Materials Research Society Symposium Proceedings**, *519*, 337, (1998)

30. ***Molecular Design of Hybrid Organic-Inorganic Nanocomposites with Emission and Photochromic Properties***
C. Sanchez, A. Lafuma, L. Rozes, K. Nakatani, J. A. Delaire, E. Cordoncillo, B. Viana, P. Escribano **Sol-Gel Optics**, SPIE Optical Materials, *3469*, 192, (1998)

31. ***An Organo-Tin Oxo Carboxylate Cluster Functionnalized by Triethoxysilyl Groups***
F. Ribot, D. Minoux, C. Sanchez, **Materials Research Society Symposium Proceedings**, *628*, CC2.2.1, (2000)

32. ***Hybrid Nanostructured Materials from Titanium-oxo Nanobuilding Blocks***
C. Sanchez, G. J. A. A. Soler-Illia, L. Rozes, A.-M. Caminade, C. O. Turrin; J.-P. Majoral, **Materials Research Society Symposium Proceedings**, *628*, CC6.2.1, (2000)

33. ***Lanthanide Doped Hybrid Organic-Inorganic Nanocomposites***
B. Viana, E. Cordoncillo, C. Philippe, C. Sanchez, F.J. Guaita, P. Ecsribano, **Sol-Gel Optics V**, SPIE, *3943*, 128, (2000)

34. ***Construction of Hybrid Nanostructured Materials by Legochemistry***
C. Sanchez, G. J. A. A. Soler-Illia, L. Rozes, F. Ribot, J.-P. Majoral, **PRA Proceedings on Organic-Inorganic Hybrids**, 33, (2000)

35. ***Titanium Oxo-organo Clusters: Precursors for the Preparation of Nanostructured Titanium Oxide Based Materials***
N. Steunou, C. Sanchez, P. Florian, S. Förster, C. Göltner, M. Antonietti, **Sol Gel Commercialization and Applications**, X. Feng, L. C. Klein, E. J. A. Pope, S. Komarneni (EDS), *23*, 49, (2000)

36. ***Sol-Gel Chemistry: The Lego Approach***
C. Sanchez, G. J. A. A. Soler-Illia, F. Ribot, **XIX International Congress on Glass Symposium Proceedings**, (2001)

37. ***Construction of Hybrid Nanostructured Materials by Legochemistry: The use of Metal-Oxo Nanobuilding Blocks***
C. Sanchez, G. J. A. A. Soler-Illia, L. Rozes, F. Ribot, J.-P. Majoral, **Surface Coatings International Part II,** Advances in the Science and Technology of Coatings and Ink, (2000)

38. ***Antistatic Coatings from Tin Oxide Nanoparticles: Synthesis and Deposition***
A. Cellot, S. de Monredon, L. Delattre, L. Guéneau, F. Ribot, C. Sanchez, **Proceedings of "Nanostructured Materials Made from Self-Assembled Molecules and Particles"**, (2001)

39. ***Investigation of Interactions Between a NLO Dye and Metal Alkoxide Precursors of Hybrid Materials***
B. Lebeau, C. Sanchez, **Materials Research Society Symposium Proceedings**, *726*, 12, (2002)

40. ***Design of Transition Metal Oxide Mesoporous Thin films***
E. L. Crepaldi, G. J. A. A. Soler-Illia, D. Grosso, P.-A. Albouy, H. Amenitsch, C. Sanchez, **Studies in Surface Science and Catalysis, Nanoporous Materials III**, A. Sayari, M. Jaroniec (Eds), Elvesier, 235, (2002)

41. ***A Novel Route to Collagen-Silica Biohybrids***
T. Coradin, M.M. Giraud-Guille, C. Helary, J. Livage, C. Sanchez, **Materials Research Society Symposium Proceedings**, *726*, 79, (2002)

42. ***Design of Transition Metal Oxide and Hybrid Mesoporous Materials***
C. Sanchez, D. Grosso, E. L. Crepaldi ,G. J. A. A. Soler-Illia, **Materials Research Society Symposium Proceedings**, *724*, 212, (2002)

43. ***Controlled Design of Mesostructured Titania based Materials***

G. Soler, D. Grosso, E. Crepaldi, F. Cagnol, A. Bouchara, C. Sanchez, **Materials Research Society Symposium Proceedings**, *726*, 243, (2002)

44. ***Designed Construction of Nanostructured Hybrid Materials***
C. Sanchez, E. L. Crepaldi, A. Bouchara, F. Cagnol, D. Grosso, G. J. A. A. Soler-Illia, **CIMTEC Proceedings**, (2002)

45. ***Propriétés Mécaniques de Films Minces Hybrides Organiques-Inorganiques SiO_2-PMMA***
F. Mammeri, L. Rozes, E. Le Bourhis, C. Sanchez, **Proceedings du Colloque Matériaux Tours**, (2002)

46. ***Phase Transformations Involved During Silica, Modified Silica, and Non-Silica Mesoporous Organized Thin Films Deposition. The Role of Evaporation***
D. Grosso, E. L. Crepaldi, G. J. A. A. Soler-Illia, F. Cagnol, N. Baccile, F. Babonneau, P.-A. Albouy, H. Amenitsch, C. Sanchez, **Studies in Surface Science and Catalysis, Proceedings of IMMS**, (2002)

47. ***Amorphous and Cystalline Mesoporous Materials Prepared via Evaporation***
D. Grosso, F. Cagnol, A. Coupé, N. Baccile, C. Boissière, G. J. A. A. Soler-Illia, E. L. Crepaldi, C. Sanchez, **Materials Research Society Symposium Proceedings**, *775*, 91, (2003)

48. ***Exploring the Internal Structure of Mesoporous Powders and Thin Films by Continuous Flow Laser-Enhanced ^{129}Xe NMR***
E. Haddad, A. Nossov, F. Gueneau, A. Gédéon, D. Grosso, C. Sanchez, **Studies in Surfaces Science and Catalysis**, *1464*, (2004)

49. ***From Hybrid Films to Meso-organized Multi Metal-Oxide Nanocrystalline Films (M_3NF) : Preparation and Characterization***
C. Boissière, D.Grosso, B. Smarsly, T. Brezesinski, S. Lepoutre, L. Nicole, J.C. Valle, M. Antonietti, C. Sanchez, **Materials Research Society Symposium Proceedings**, *847*, 135, (2005)

50. ***The Use of Multinuclear Solid State NMR for the Characterization of Sol-Gel Derived Hybrid Nanocomposites***
C. Gervais, B. Julian, E. Cordoncillo, P. Escribano, M. E. Smith, C. Sanchez, **Materials Research Society Symposium Proceedings**, *847*, 483, (2005)

51. ***Design of Functional Nanostructured Inorganic and Hybrid Materials***
C. Sanchez, C. Boissière, A. Coupé, F. Goettmann, D. Grosso, B. Julián, M. Llusar, L. Nicole, **Studies in Surface Science and Catalysis, Nanoporous Materials IV**, *156*, 19, (2005)

52. ***The Generation of Mesoporous CeO_2 with Crystalline Pore Walls using Novel Block Copolymer Templates***
T. Brezesinski, B. Smarsly, M. Groenewolt, M. Antonietti, D. Grosso, C. Boissière, C. Sanchez. **Studies in Surface Science and Catalysis, Nanoporous Materials IV**, *156*, 243, (2005)

53. ***Rational Design of Macrocellular TiO_2 and V_2O_5 Monoliths Obtained Through Soft Chemistry and Air-liquid Foams***
F. Carn, N. Steunou, A. Colin, J. Livage, C. Sanchez, R. Backov, **Materials Research Society Symposium Proceedings**, *847*, 189, (2005)

54. ***Hybrid Nanostructured Films Doped with DBM as New Selective Sensors of BF_3***
P. Banet, L. Legagneux, T.-H. Tran-Thi, P. Hesemann, J. Moreau, L. Nicole, A. Quach, C. Sanchez, **Proceedings of the Meeting on Chemical Sensors**, (2006)

55. ***Lowe Wave Sensors Coated with Mesoporous Materials***
F. Razan, D. Rebière, C. Dejous, B. Pavageau, M. Destarac, C. Boissière, D. Grosso, C. Sanchez, **Proceeding of the Symposium "Acoustic Wave Based Sensors and Sensor Systems"**, 208th Meeting of The Electrochemical Society, (2005)

56. ***Designed Construction of Functional Mesostructured Porous Materials***
C. Sanchez, L. Nicole, C. Boissière, D. Grosso, **Advances in Science and Technology**, *45*, 803, (2006)

57. ***Design of Nanohybrids from Well Defined Nanobuilding Blocks***
L. Rozes, G. Fornasieri, C. Sanchez, **Advances in Science and Technology**, *45*, 752, (2006)

58. ***New Palladium Nanomaterials for Catalysis: Mechanisms Controlling Formation and Evolution of Nanostructures in a Seed-mediated Synthesis***
L. Bisson, C. Boissière, C. Sanchez, C. Thomazeau, D. Uzio, **Materials Research Society Symposium Proceedings**, *1017*, DD16-26, (2007)

59. Spray Drying: A Versatile Route for the Preparation of New Acidic Mesostructured Powders
S. Pega, A. Coupé, C. Boissière, T. Azais, D. Grosso, C. Sanchez, J. Blanchard, A. Chaumonnot, **Studies in Surface Science and Catalysis, Nanoporous Materials V**, 457, (2008)

60. ***Sol gel Technique for the Generation of Europium Doped Mesoporous and Dense Thin Films: a Luminescent Study***
C. Leroy, T. Cardinal, V. Jubera, M. Treguer-Delapierre, R. Backov, C. Boissière, C. Sanchez, B. Viana, F. Pellé, **Proceedings of the 15th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter**, (2008)

61. ***Ink-jet Printing Processed Mesoporous Silica Microdot Arrays : New Possible Platefroms for the Design of Multifunctional Sensors***
B. Fousseret, M. Mougenot, M. Lejeune, F. Rossignol, J.-F. Baumard, B. Soulestin, C. Boissière, C. Sanchez, D. Jalabert, D. Massiot, **Proceedings of CICMT 2008, IMAPS/ACerS 4th International Conference and Exhibition on Ceramic Interconnect and Ceramic Microsystems Technologies,** (2008)

62. ***Tuning pore size and acidity of mesostructured aluminosilicates made by spray-drying: design of new catalysts***
S. Pega, C. Boissière, A. Chaumonnot, C. Sanchez, **Studies in Surface Science and Catalysis – Proceedings of the 4th International FEZA Conference**, *174*, 471, (2008)