

Florence Babonneau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

11,058
citations

56
h-index

94
g-index

249
ext. papers

11,794
ext. citations

5.6
avg, IF

5.84
L-index

#	Paper	IF	Citations
238	Evolution of C-rich SiOC ceramics. <i>International Journal of Materials Research</i> , 2022 , 97, 710-720	0.5	
237	Evolution of C-rich SiOC ceramics. <i>International Journal of Materials Research</i> , 2022 , 97, 699-709	0.5	
236	Formation of ZrC-SiC Composites from the Molecular Scale through the Synthesis of Multielement Polymers. <i>Materials</i> , 2021 , 14,	3.5	1
235	A novel multinuclear solid-state NMR approach for the characterization of kidney stones. <i>Magnetic Resonance</i> , 2021 , 2, 653-671	2.9	0
234	Antibacterial properties of glycosylated surfaces: variation of the glucosidal moiety and fatty acid conformation of grafted microbial glycolipids. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 1307-1316	4.6	4
233	Investigating CaOx Crystal Formation in the Absence and Presence of Polyphenols under Microfluidic Conditions in Relation with Nephrolithiasis. <i>Crystal Growth and Design</i> , 2020 , 20, 7683-7693	3.5	1
232	Bone mineral: new insights into its chemical composition. <i>Scientific Reports</i> , 2019 , 9, 8456	4.9	93
231	Chemistry of a series of aluminum-modified polysilazanes: Synthesis, pyrolysis behaviour and microstructural evolution. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 183-194	6	6
230	Structural Characterization of Hybrid Organic-Inorganic Materials 2018 , 1375-1397		1
229	Vibrational Signatures of Calcium Oxalate Polyhydrates. <i>ChemistrySelect</i> , 2018 , 3, 8801-8812	1.8	15
228	Organization of Bone Mineral: The Role of Mineral-Water Interactions. <i>Geosciences (Switzerland)</i> , 2018 , 8, 466	2.7	14
227	Rheological and thermal behaviours of a hyperbranched polycarbosilane. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4443	3.1	4
226	Template Synthesis of Iminodiacetic Acid Polysiloxane Immobilized Ligand Systems and their Metal Uptake Capacity. <i>Silicon</i> , 2017 , 9, 563-575	2.4	4
225	Interfacial Ca environments in nanocrystalline apatites revealed by dynamic nuclear polarization enhanced Ca NMR spectroscopy. <i>Nature Communications</i> , 2017 , 8, 14104	17.4	45
224	Antibacterial properties of sophorolipid-modified gold surfaces against Gram positive and Gram negative pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 325-334	6	28
223	Molecular Chemistry and Engineering of Boron-Modified Polyorganosilazanes as New Processable and Functional SiBCN Precursors. <i>Chemistry - A European Journal</i> , 2017 , 23, 9076-9090	4.8	29
222	Development of a Cradle-to-Grave Approach for Acetylated Acidic Sophorolipid Biosurfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1186-1198	8.3	45

221	Molecular design of melt-spinnable co-polymers as Si-B-C-N fiber precursors. <i>Dalton Transactions</i> , 2017 , 46, 13510-13523	4.3	11
220	Hydroxyapatites: Key Structural Questions and Answers from Dynamic Nuclear Polarization. <i>Analytical Chemistry</i> , 2017 , 89, 10201-10207	7.8	19
219	Molecular Picture of the Adsorption of Ibuprofen and Benzoic Acid on Hydrated Amorphous Silica through DFT-D Calculations Combined with Solid-State NMR Experiments. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17339-17347	3.8	15
218	Implication of Water Molecules at the Silica/Ibuprofen Interface in Silica-Based Drug Delivery Systems Obtained through Incipient Wetness Impregnation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26833-26839	3.8	17
217	Amorphous surface layer versus transient amorphous precursor phase in bone - A case study investigated by solid-state NMR spectroscopy. <i>Acta Biomaterialia</i> , 2017 , 59, 351-360	10.8	34
216	Calcium oxalate precipitation by diffusion using laminar microfluidics: toward a biomimetic model of pathological microcalcifications. <i>Lab on A Chip</i> , 2016 , 16, 1157-60	7.2	28
215	Structural Characterization of Hybrid Organic/Inorganic Materials 2016 , 1-23		
214	Structural elucidation of silica present in kidney stones coming from Burkina Faso. <i>Comptes Rendus Chimie</i> , 2016 , 19, 1573-1579	2.7	6
213	Synthesis and characterization of immobilized-polysiloxane monoamine-thiol triacetic acid and its diamine and triamine derivatives. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 78, 660-672	2.3	5
212	Template Synthesis of Immobilized polysiloxane Diamine-Thiol tetraacetic acid Bi-Ligand system and its application for determination of metal ions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015 , 190, 1646-1657	1	3
211	Biocidal Properties of a Glycosylated Surface: Sophorolipids on Au(111). <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18086-95	9.5	21
210	Solid-State NMR Characterization of Sol-Gel Materials: Recent Advances 2015 , 651-672		
209	Monitoring a polycycloaddition by the combination of dynamic rheology and FTIR spectroscopy. <i>Polymer</i> , 2015 , 79, 283-289	3.9	7
208	Nanoscale Platelet Formation by Monounsaturated and Saturated Sophorolipids under Basic pH Conditions. <i>Chemistry - A European Journal</i> , 2015 , 21, 19265-77	4.8	22
207	Synthesis of Uniform, Monodisperse, Sophorolipid Twisted Ribbons. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2419-26	4.5	19
206	Calcium-Phosphate Biomineralization Induced by Alkaline Phosphatase Activity in Escherichia coli: Localization, Kinetics, and Potential Signatures in the Fossil Record. <i>Frontiers in Earth Science</i> , 2015 , 3,	3.5	19
205	Energetics and Structure of Polymer-Derived Si(B)OC Glasses: Effect of the Boron Content and Pyrolysis Temperature. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 303-309	3.8	26
204	Impact of collagen confinement vs. ionic substitutions on the local disorder in bone and biomimetic apatites. <i>Materials Horizons</i> , 2014 , 1, 224-231	14.4	19

203	Elaboration of ZrC-SiC composites by spark plasma sintering using polymer-derived ceramics. <i>Ceramics International</i> , 2014 , 40, 15703-15709	5.1	22
202	pH-triggered formation of nanoribbons from yeast-derived glycolipid biosurfactants. <i>Soft Matter</i> , 2014 , 10, 3950-9	3.6	49
201	One-Step Introduction of Broad-Band Mesoporosity in Silica Particles Using a Stimuli-Responsive Bioderived Glycolipid. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 512-522	8.3	2
200	Denosing NMR time-domain signal by singular-value decomposition accelerated by graphics processing units. <i>Solid State Nuclear Magnetic Resonance</i> , 2014 , 61-62, 28-34	3.1	13
199	Probing atomic scale transformation of fossil dental enamel using Fourier transform infrared and nuclear magnetic resonance spectroscopy: a case study from the Tugen Hills (Rift Gregory, Kenya). <i>Acta Biomaterialia</i> , 2014 , 10, 3952-8	10.8	20
198	Nano-structured zinc oxide bottom fibers: synthesis, characterization and applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 3970-3975	2.1	20
197	Accurate characterization of pure silicon-substituted hydroxyapatite powders synthesized by a new precipitation route. <i>Acta Biomaterialia</i> , 2013 , 9, 6992-7004	10.8	76
196	A Molecular Picture of the Adsorption of Glycine in Mesoporous Silica through NMR Experiments Combined with DFT-D Calculations. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4104-4114	3.8	56
195	Water-mediated structuring of bone apatite. <i>Nature Materials</i> , 2013 , 12, 1144-53	27	212
194	Probing the mobility of ibuprofen confined in MCM-41 materials using MAS-PFG NMR and hyperpolarised-(129)Xe NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18805-8	3.6	23
193	Whewellite, CaC ₂ O ₄ ·H ₂ O: structural study by a combined NMR, crystallography and modelling approach. <i>CrystEngComm</i> , 2013 , 15, 8840	3.3	34
192	Solid state NMR characterization of phenylphosphonic acid encapsulated in SBA-15 and aminopropyl-modified SBA-15. <i>Microporous and Mesoporous Materials</i> , 2013 , 166, 109-116	5.3	23
191	Heterogeneous structure and in vitro degradation behavior of wet-chemically derived nanocrystalline silicon-containing hydroxyapatite particles. <i>Acta Biomaterialia</i> , 2013 , 9, 4856-67	10.8	36
190	Letter. A carbonate-fluoride defect model for carbonate-rich fluorapatite. <i>American Mineralogist</i> , 2013 , 98, 1066-1069	2.9	53
189	On the shrinkage during pyrolysis of thin films and bulk components: The case of a hybrid silica gel precursor for SiOC glasses. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 627-632	6	18
188	First-principles calculation of NMR parameters using the gauge including projector augmented wave method: a chemist's point of view. <i>Chemical Reviews</i> , 2012 , 112, 5733-79	68.1	378
187	Synthesis of Polysiloxane-Immobilized Monoamine, Diamine, and Triamine Ligand Systems in the Presence of CTAB and Their Applications. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012 , 187, 392-402	1	3
186	Biosurfactant-mediated one-step synthesis of hydrophobic functional imogolite nanotubes. <i>RSC Advances</i> , 2012 , 2, 426-435	3.7	19

185	Nanostructured copper oxide-cotton fibers: synthesis, characterization, and applications. <i>International Nano Letters</i> , 2012 , 2, 1	5.7	48
184	In situ time-resolved SAXS study of the formation of mesostructured organically modified silica through modeling of micelles evolution during surfactant-templated self-assembly. <i>Langmuir</i> , 2012 , 28, 17477-93	4	21
183	The predominant role of collagen in the nucleation, growth, structure and orientation of bone apatite. <i>Nature Materials</i> , 2012 , 11, 724-33	27	396
182	Unusual, pH-induced, self-assembly of sophorolipid biosurfactants. <i>ACS Nano</i> , 2012 , 6, 4763-76	16.7	80
181	Sol-gel encapsulation of cresol red in presence of surfactants. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 62, 117-125	2.3	24
180	Investigation of the interface in silica-encapsulated liposomes by combining solid state NMR and first principles calculations. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16815-27	16.4	67
179	Hydrothermal carbon from biomass: structural differences between hydrothermal and pyrolyzed carbons via ¹³ C solid state NMR. <i>Langmuir</i> , 2011 , 27, 14460-71	4	209
178	Mesostructured silica from amino acid-based surfactant formulations and sodium silicate at neutral pH. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 170-174	2.3	9
177	Controlled collagen assembly to build dense tissue-like materials for tissue engineering. <i>Soft Matter</i> , 2011 , 7, 9659	3.6	27
176	Structural Insights on Nitrogen-Containing Hydrothermal Carbon Using Solid-State Magic Angle Spinning ¹³ C and ¹⁵ N Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8976-8982	3.8	85
175	Kinetics of the formation of 2D-hexagonal silica nanostructured materials by nonionic block copolymer templating in solution. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11330-44	3.4	59
174	Cross-linked polyethylene@silica: the first full interpenetrating network hybrid particles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9515		10
173	Solution State NMR Techniques Applied to Solid State Samples: Characterization of Benzoic Acid Confined in MCM-41. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8884-8891	3.8	43
172	Sol-gel Processing of a Glycolated Cyclic Organosilane and Its Pyrolysis to Silicon Oxycarbide Monoliths with Multiscale Porosity and Large Surface Areas. <i>Chemistry of Materials</i> , 2010 , 22, 1509-1520	9.6	40
171	Sophorolipids: a yeast-derived glycolipid as greener structure directing agents for self-assembled nanomaterials. <i>Green Chemistry</i> , 2010 , 12, 1564	10	57
170	Extraction of Co, Ni, Cu, Zn and Cd ions using 2-aminophenylaminopropylpolysiloxane. <i>Environmental Chemistry Letters</i> , 2010 , 8, 311-316	13.3	8
169	New perspectives in the PAW/GIPAW approach: J(P-O-Si) coupling constants, antisymmetric parts of shift tensors and NQR predictions. <i>Magnetic Resonance in Chemistry</i> , 2010 , 48 Suppl 1, S86-102	2.1	39
168	Solid-state nuclear magnetic resonance: A valuable tool to explore organic-inorganic interfaces in silica-based hybrid materials. <i>Comptes Rendus Chimie</i> , 2010 , 13, 58-68	2.7	39

167	Organically Modified Ordered Mesoporous Siliceous Solids 2009 , 283-308		8
166	Solid-state NMR characterization of drug-model molecules encapsulated in MCM-41 silica. <i>Pure and Applied Chemistry</i> , 2009 , 81, 1345-1355	2.1	42
165	Aerosol-generated mesoporous silicon oxycarbide particles. <i>Pure and Applied Chemistry</i> , 2009 , 81, 1449-1457	1.5	9
164	Preparation and solid state NMR characterization of phosphonates encapsulated in raw and organically modified SBA-15. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1227, 40601		1
163	Nanostructuring of hybrid silicas through a self-recognition process. <i>Chemistry - A European Journal</i> , 2009 , 15, 5002-5	4.8	14
162	Covalent grafting of organoalkoxysilanes on silica surfaces in water-rich medium as evidenced by ²⁹ Si NMR. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 152-157	2.3	42
161	Influence of mesoporous structure type on the controlled delivery of drugs: release of ibuprofen from MCM-48, SBA-15 and functionalized SBA-15. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 421-429	2.3	124
160	SiOC Ceramic Monoliths with Hierarchical Porosity. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 7, 528	2	2
159	Introducing ecodesign in silica sol-gel materials. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8537		109
158	New Strategy for the Synthesis of Diethylenetriaminetetraacetic Acid Functionalized Polysiloxane Ligand Systems. <i>Journal of Dispersion Science and Technology</i> , 2009 , 30, 684-690	1.5	2
157	New Monofunctional POSS and Its Utilization as Dewetting Additive in Methacrylate Based Free-Standing Films. <i>Chemistry of Materials</i> , 2009 , 21, 4163-4171	9.6	26
156	Preparation of ethylenediaminetriacetic acid silica-gel immobilised ligand system and its application for trace metal analysis in aqueous samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2009 , 89, 1057-1069	1.8	22
155	GIPAW (gauge including projected augmented wave) and local dynamics in ¹³ C and ²⁹ Si solid state NMR: the study case of silsesquioxanes (RSiO _{1.5}) ₈ . <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6953-61	3.6	25
154	Structural Characterization of Hydrothermal Carbon Spheres by Advanced Solid-State MAS ¹³ C NMR Investigations. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9644-9654	3.8	333
153	Nuclear Magnetic Resonance as Investigation Tool for Pollutant/Sorbent Interactions. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 31-46	0.3	
152	Organosilicas based on purine-pyrimidine base pair assemblies: a solid state NMR point of view. <i>Journal of Materials Chemistry</i> , 2008 , 18, 392-399		32
151	Time-Resolved in Situ Raman and Small-Angle X-ray Diffraction Experiments: From Silica-Precursor Hydrolysis to Development of Mesoscopic Order in SBA-3 Surfactant-Templated Silica. <i>Chemistry of Materials</i> , 2008 , 20, 1161-1172	9.6	17
150	On the mechanism of formation of SBA-1 and SBA-3 as studied by in situ synchrotron XRD. <i>Studies in Surface Science and Catalysis</i> , 2008 , 103-108	1.8	2

149	A new example of periodic mesoporous SiCO glasses with cubic symmetry stable at 1000.DEG.C. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 449-453	1	20
148	Organo-modified mesoporous silicas for organic pollutant removal in water: Solid-state NMR study of the organic/silica interactions. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 534-542	5.3	37
147	Design of a Series of Preceramic B-Tri(methylamino)borazine-Based Polymers as Fiber Precursors: Architecture, Thermal Behavior, and Melt-Spinnability <i>Macromolecules</i> , 2007 , 40, 1018-1027	5.5	32
146	Composite particles of polyethylene @ silica. <i>Journal of the American Chemical Society</i> , 2007 , 129, 98-108	6.4	48
145	Solid-State NMR Characterization of the Surfactant-Silica Interface in Templated Silicas: Acidic versus Basic Conditions. <i>Chemistry of Materials</i> , 2007 , 19, 1343-1354	9.6	90
144	Structural Characterization and Protein Adsorption Property of Hydroxyapatite Particles Modified With Zinc Ions. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 565-569	3.8	41
143	A new route synthesis of immobilized-polysiloxane iminodiacetic acid ligand system, its characterization and applications. <i>Materials Letters</i> , 2007 , 61, 4553-4558	3.3	15
142	Extraction of metal ions (Fe ³⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺) using immobilized-polysiloxane iminobis(n-2-aminophenylacetamide) ligand system. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 41, 3-10	2.3	7
141	Macrocyclic Polysiloxane Immobilized Ligand System and Its Structural Characterization. <i>Journal of Dispersion Science and Technology</i> , 2007 , 28, 445-453	1.5	3
140	Synthesis and Characterization of Mg-Containing Nano-Apatite. <i>Key Engineering Materials</i> , 2007 , 361-363, 47-50	0.4	2
139	Nanostructuring of Hybrid Silicas: New Approach to Bridged Silsesquioxanes with Purine-Pyrimidine Base Pairs as Bridging Units. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1007, 1		
138	Covalent Grafting of Organoalkoxysilanes on Silica Surfaces in Water-Rich Medium as Evidenced by ²⁹ Si NMR. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1007, 1		1
137	New Insights on the High-Temperature Nanostructure Evolution of SiOC and B-Doped SiBOC Polymer-Derived Glasses. <i>Chemistry of Materials</i> , 2007 , 19, 5694-5702	9.6	112
136	Advanced solid state NMR techniques for the characterization of sol-gel-derived materials. <i>Accounts of Chemical Research</i> , 2007 , 40, 738-46	24.3	92
135	Structure and In Vitro Solubility of Silicon-Substituted Hydroxyapatite. <i>Key Engineering Materials</i> , 2007 , 361-363, 63-66	0.4	5
134	Étude par des expériences HETCOR ¹ H- ²⁹ Si des interfaces tensioactif/silice dans des matériaux mésoporeux. <i>Comptes Rendus Chimie</i> , 2006 , 9, 478-484	2.7	10
133	Evolution of C-rich SiOC ceramics. <i>International Journal of Materials Research</i> , 2006 , 97, 699-709	0.5	62
132	Controlling the chemistry, morphology and structure of boron nitride-based ceramic fibers through a comprehensive mechanistic study of the reactivity of spinnable polymers with ammonia. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3126		41

131	Solid State NMR Characterization of Nano-Crystalline Hydroxy-Carbonate Apatite using ^1H - ^{31}P - ^{13}C Triple Resonance Experiments. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 984, 1		4
130	Nanocrystalline Mesoporous γ -Alumina Powders \square PMC1 Material \square Thermal and Chemical Stability with High Surface Area. <i>Chemistry of Materials</i> , 2006 , 18, 5238-5243	9.6	111
129	Solid-State NMR Study of Ibuprofen Confined in MCM-41 Material. <i>Chemistry of Materials</i> , 2006 , 18, 6382-6390	2.2	222
128	Evolution of C-rich SiOC ceramics: Part II. Characterization by high lateral resolution techniques: electron energy-loss spectroscopy, high-resolution TEM and energy-filtered TEM. <i>International Journal of Materials Research</i> , 2006 , 97, 710-720		29
127	Selective Protein Adsorption Property and Structure of Nano-Crystalline Hydroxy-Carbonate Apatite. <i>Key Engineering Materials</i> , 2006 , 309-311, 503-506	0.4	11
126	Characterisation of the grafting of (3-aminoethyl)aminopropyltrimethoxy silane on precipitated silica. <i>New Journal of Chemistry</i> , 2006 , 30, 797	3.6	17
125	Some triple resonance experiments in solid-state CP MAS NMR: $^{51}\text{V}/^{29}\text{Si}$, $^{31}\text{P}/^{13}\text{C}$, and $^{29}\text{Si}/^{13}\text{C}$. <i>Comptes Rendus Chimie</i> , 2006 , 9, 466-471	2.7	15
124	Selective protein adsorption property and characterization of nano-crystalline zinc-containing hydroxyapatite. <i>Acta Biomaterialia</i> , 2006 , 2, 69-74	10.8	146
123	Synthesis and Structural Characterization of a New Macrocyclic Polysiloxane-immobilized Ligand System. <i>Monatshefte für Chemie</i> , 2006 , 137, 263-275	1.4	13
122	Structural Control in Germania Hybrid Organic \square inorganic Materials. <i>Chemistry of Materials</i> , 2005 , 17, 3172-3180	9.6	45
121	Immobilized-polysiloxane ethyl amino benzoate derivatives. Synthesis, characterizations and applications. <i>Reactive and Functional Polymers</i> , 2005 , 63, 199-213	4.6	5
120	Synthesis of periodic mesoporous organosilica from bis(triethoxysilyl)methane and their pyrolytic conversion into porous SiCO glasses. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 265-270	6	31
119	Gel Precursor to Silicon Oxycarbide Glasses with Ultrahigh Ceramic Yield. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 999-1004	3.8	33
118	A Processable Mullite Precursor Prepared by Reacting Silica and Aluminum Hydroxide with Triethanolamine in Ethylene Glycol: Structural Evolution on Pyrolysis. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 2597-2606	3.8	29
117	Phosphorous-doped MCM-41 as bioactive material. <i>Solid State Sciences</i> , 2005 , 7, 233-237	3.4	72
116	Synthesis, characterization and applications of polysiloxane networks with immobilized pyrogallol ligands. <i>Applied Organometallic Chemistry</i> , 2005 , 19, 759-767	3.1	11
115	^{11}B and ^{15}N solid state NMR investigation of a boron nitride preceramic polymer prepared by ammonolysis of borazine. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 129-135	6	40
114	Structural and Microstructural Evolution During Pyrolysis of Hybrid Polydimethylsiloxane-Titania Nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2005 , 34, 53-62	2.3	37

113	Thermal Stability of Periodic Mesoporous SiCO Glasses. <i>Journal of Sol-Gel Science and Technology</i> , 2005 , 33, 99-102	2.3	14
112	Modification and Characterization of Si-Based Nanobuilding Blocks Precursors for Hybrid Materials. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 847, 180		3
111	The use of multinuclear solid state NMR for the characterization of siloxane-oxide hybrid nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 847, 385		1
110	Silica and Hybrid Silica Gels Revisited: New Insight by Solid State Nuclear Magnetic Resonance. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 847, 18		1
109	Sol-Gel-Derived Silicon-Boron Oxycarbide Glasses Containing Mixed Silicon Oxycarbide (SiC _x O _{4-x}) and Boron Oxycarbide (BCyO _{3-y}) Units. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2160-2164	3.8	57
108	Crystallization Behavior of Novel Silicon Boron Oxycarbide Glasses. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 203-208	3.8	70
107	Advances in Characterisation Methods for Sol-Gel Derived Materials: High Resolution Solid State Nuclear Magnetic Resonance. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 9-17	2.3	17
106	Solid State NMR Characterisation of Encapsulated Molecules in Mesoporous Silica. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 219-223	2.3	78
105	High-resolution 15N solid-state NMR investigations on borazine-based precursors. <i>Applied Organometallic Chemistry</i> , 2004 , 18, 227-232	3.1	13
104	Combined ab initio computational and experimental multinuclear solid-state magnetic resonance study of phenylphosphonic acid. <i>Magnetic Resonance in Chemistry</i> , 2004 , 42, 445-52	2.1	82
103	Solid state (47,49)Ti, (87)Sr and (137)Ba NMR characterisation of mixed barium/strontium titanate perovskites. <i>Solid State Nuclear Magnetic Resonance</i> , 2004 , 26, 147-52	3.1	28
102	Solid state effects in the IR spectrum of octahydridosilasesquioxane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 1609-16	4.4	10
101	Solid-State 17O NMR Characterization of PDMS/MxOy (M = Ge(IV), Ti(IV), Zr(IV), Nb(V), and Ta(V)) Organic/Inorganic Nanocomposites. <i>Chemistry of Materials</i> , 2004 , 16, 521-529	9.6	38
100	Ab Initio Calculations of NMR Parameters of Highly Coordinated Oxygen Sites in Aluminosilicates. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13249-13253	3.4	54
99	Encapsulation of Ibuprofen in Mesoporous Silica: Solid State NMR Characterization. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 3261		25
98	Periodic Mesoporous SiCO Glasses with Cubic Symmetry Stable at 1000°C. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 3251		3
97	Synthesis, Characterization and Applications of Immobilized Iminodiacetic Acid-Modified Silica. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 28, 255-265	2.3	43
96	Solid State NMR and TG/MS Study on the Transformation of Methyl Groups During Pyrolysis of Pre-ceramic Precursors to SiOC Glasses. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 279-283	2.3	58

95	Basic Catalyzed Synthesis of Hybrid Sol-Gel Materials Based on 3-Glycidoxypropyltrimethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 303-306	2.3	20
94	Hybrid 3D Ordered Mesoporous Thin Films Made from Organosiloxane Precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 587-591	2.3	11
93	Metal uptake by porous iminobis(N-2-aminoethylacetamide)-modified polysiloxane ligand system. <i>Microporous and Mesoporous Materials</i> , 2003 , 65, 299-310	5.3	22
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