Florence Babonneau

List of Publications by Year in descending order

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238 papers

12,737 citations

20817 60 h-index 30922 102 g-index

249 all docs

249 docs citations

times ranked

249

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| # | Article | IF | CITATIONS |
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| 1 | The predominant role of collagenÂin the nucleation, growth, structureÂand orientationÂofÂbone apatite. Nature Materials, 2012, 11, 724-733. | 27.5 | 482 |
| 2 | First-Principles Calculation of NMR Parameters Using the Gauge Including Projector Augmented Wave Method: A Chemist's Point of View. Chemical Reviews, 2012, 112, 5733-5779. | 47.7 | 446 |
| 3 | Structural Characterization of Hydrothermal Carbon Spheres by Advanced Solid-State MAS ¹³ C NMR Investigations. Journal of Physical Chemistry C, 2009, 113, 9644-9654. | 3.1 | 392 |
| 4 | Highly Porous Polyhedral Silsesquioxane Polymers. Synthesis and Characterization. Journal of the American Chemical Society, 1998, 120, 8380-8391. | 13.7 | 373 |
| 5 | Preceramic polymer routes to silicon carbide. Chemistry of Materials, 1993, 5, 260-279. | 6.7 | 299 |
| 6 | Structural Characterization and High-Temperature Behavior of Silicon Oxycarbide Glasses Prepared from Sol-Gel Precursors Containing Si-H Bonds. Journal of the American Ceramic Society, 1995, 78, 379-387. | 3.8 | 259 |
| 7 | Water-mediated structuring of bone apatite. Nature Materials, 2013, 12, 1144-1153. | 27.5 | 250 |
| 8 | Hydrothermal Carbon from Biomass: Structural Differences between Hydrothermal and Pyrolyzed Carbons via ¹³ C Solid State NMR. Langmuir, 2011, 27, 14460-14471. | 3.5 | 248 |
| 9 | Solid-State NMR Study of Ibuprofen Confined in MCM-41 Material. Chemistry of Materials, 2006, 18, 6382-6390. | 6.7 | 242 |
| 10 | An in Situ Study of Mesostructured CTABâ^'Silica Film Formation during Dip Coating Using Time-Resolved SAXS and Interferometry Measurements. Chemistry of Materials, 2002, 14, 931-939. | 6.7 | 198 |
| 11 | Orderâ°'Disorder Transitions and Evolution of Silica Structure in Self-Assembled Mesostructured Silica Films Studied through FTIR Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 4711-4717. | 2.6 | 196 |
| 12 | Humidity-controlled mesostructuration in CTAB-templated silica thin film processing. The existence of a modulable steady state. Journal of Materials Chemistry, 2003, 13, 61-66. | 6.7 | 193 |
| 13 | The True Structure of Hexagonal Mesophase-Templated Silica Films As Revealed by X-ray Scattering:Â Effects of Thermal Treatments and of Nanoparticle Seeding. Chemistry of Materials, 2000, 12, 1721-1728. | 6.7 | 187 |
| 14 | Dimethyldiethoxysilane/tetraethoxysilane copolymers: precursors for the silicon-carbon-oxygen system. Chemistry of Materials, 1989, 1, 554-558. | 6.7 | 177 |
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| 16 | Selective protein adsorption property and characterization of nano-crystalline zinc-containing hydroxyapatite. Acta Biomaterialia, 2006, 2, 69-74. | 8.3 | 166 |
| 17 | Structural investigation of the hydrolysis-condensation process of titanium alkoxides $Ti(OR)4$ (OR =) Tj ETQq1 1 1989, 1, 240-247. | . 0.784314 6.7 | rgBT /Over or 162 |
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| 20 | Organically Modified SiO2â^B2O3 Gels Displaying a High Content of Borosiloxane (Bâ^Oâ^Siâ(®) Bonds. Chemistry of Materials, 1999, 11, 910-919. | 6.7 | 152 |
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| 105 | Solid-state NMR investigations of the polymer route to SiBCN ceramics. Canadian Journal of Chemistry, 2003, 81, 1359-1369. | 1.1 | 38 |
| 106 | Structural and Microstructural Evolution During Pyrolysis of Hybrid Polydimethylsiloxane-Titania Nanocomposites. Journal of Sol-Gel Science and Technology, 2005, 34, 53-62. | 2.4 | 38 |
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