

# Dominique Massiot

## List of Publications by Year in descending order

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277  
papers

17,177  
citations

19657

61  
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18647

119  
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295  
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295  
docs citations

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times ranked

12453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-Guest Silicalite-1 Zeolites: Correlated Disorder and Phase Transition Inhibition by a Small Guest Modification. <i>Chemistry of Materials</i> , 2022, 34, 366-387.	6.7	5
2	Stabilization of the Trigonal Langasite Structure in $\text{Ca}_3\text{Ga}_2\text{ZnGe}_4\text{O}_{14}$ (0 $\%$ ) with Partial Ordering of Three Isolelectronic Cations Characterized by a Multitechnique Approach. <i>Inorganic Chemistry</i> , 2022, 61, 9339-9351.	4.0	2
3	Sodium Site Exchange and Migration in a Polar Stuffed-Cristobalite Framework Structure. <i>Inorganic Chemistry</i> , 2021, 60, 4322-4331.	4.0	2
4	Atomic-Scale Structure and Its Impact on Chemical Properties of Aluminum Oxide Layers Prepared by Atomic Layer Deposition on Silica. <i>Chemistry of Materials</i> , 2021, 33, 3335-3348.	6.7	23
5	Gut bacteria are essential for normal cuticle development in herbivorous turtle ants. <i>Nature Communications</i> , 2021, 12, 676.	12.8	35
6	Core Scientific Dataset Model: A lightweight and portable model and file format for multi-dimensional scientific data. <i>PLoS ONE</i> , 2020, 15, e0225953.	2.5	11
7	Iterative baseline correction algorithm for dead time truncated one-dimensional solid-state MAS NMR spectra. <i>Solid State Nuclear Magnetic Resonance</i> , 2020, 110, 101699.	2.3	7
8	Design and properties of a novel radiopaque injectable apatitic calcium phosphate cement, suitable for image-guided implantation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2786-2795.	3.4	11
9	Structure and dynamics of high-temperature strontium aluminosilicate melts. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27865-27877.	2.8	18
10	Atomic scale structure of amorphous aluminum oxyhydroxide, oxide and oxycarbide films probed by very high field $^{27}\text{Al}$ nuclear magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8101-8110.	2.8	23
11	Oxygen Speciation in Multicomponent Silicate Glasses Using Through Bond Double Resonance NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2274-2279.	4.6	26
12	Solid-state $^{31}\text{P}$ and $^1\text{H}$ chemical MR micro-imaging of hard tissues and biomaterials with magic angle spinning at very high magnetic field. <i>Scientific Reports</i> , 2017, 7, 8224.	3.3	10
13	Percolation channels: a universal idea to describe the atomic structure and dynamics of glasses and melts. <i>Scientific Reports</i> , 2017, 7, 16490.	3.3	76
14	Structure determination of $\text{Ba}_5\text{AlF}_{13}$ by coupling electron, synchrotron and neutron powder diffraction, solid-state NMR and ab initio calculations. <i>Dalton Transactions</i> , 2016, 45, 15565-15574.	3.3	12
15	Metabolite localization in living drosophila using High Resolution Magic Angle Spinning NMR. <i>Scientific Reports</i> , 2015, 5, 9872.	3.3	39
16	Transparency through Structural Disorder: A New Concept for Innovative Transparent Ceramics. <i>Chemistry of Materials</i> , 2015, 27, 508-514.	6.7	50
17	Design and properties of novel gallium-doped injectable apatitic cements. <i>Acta Biomaterialia</i> , 2015, 24, 322-332.	8.3	44
18	Revealing Defects in Crystalline Lithium-Ion Battery Electrodes by Solid-State NMR: Applications to $\text{LiVPO}_4\text{F}$ . <i>Chemistry of Materials</i> , 2015, 27, 5212-5221.	6.7	47

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19	Structure of Arsenic Selenide Glasses Studied by NMR: Selenium Chain Length Distributions and the Flory Model. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11852-11857.	3.1	16
20	Local environments of boron heteroatoms in non-crystalline layered borosilicates. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21664-21682.	2.8	11
21	Influence of Alteration Solutions on the Chemical Durability of the $ZrO_2$ Glass-Ceramic: Structural Investigation. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 811-822.	2.1	6
22	Commentaire de la RMN, la modélisation et la diffraction pour une cristallographie des systèmes désordonnés. , 2015, , 50-55.	0.1	0
23	NMR parameters in column 13 metal fluoride compounds ( $AlF_3$ , $CaF_3$ , $InF_3$ and $TlF$ ) from first principle calculations. <i>Solid State Nuclear Magnetic Resonance</i> , 2014, 59-60, 1-7.	2.3	30
24	Tuneable Nanostructuring of Highly Transparent Zinc Gallogermanate Glasses and Glass-Ceramics. <i>Advanced Optical Materials</i> , 2014, 2, 364-372.	7.3	70
25	Chlorodiethylaluminum supported on silica: A dinuclear aluminum surface species with bridging $\eta^2$ -Cl ligand as a highly efficient co-catalyst for the Ni-catalyzed dimerization of ethene. <i>Journal of Catalysis</i> , 2014, 313, 46-54.	6.2	43
26	The role of $Al^{3+}$ on rheology and structural changes in sodium silicate and aluminosilicate glasses and melts. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 495-517.	3.9	205
27	$La_{10}W_2O_{21}$ : An Anion-Deficient Fluorite-Related Superstructure with Oxide Ion Conduction. <i>Inorganic Chemistry</i> , 2014, 53, 147-159.	4.0	24
28	$^{71}Ga$ NMR in chalcogenide and chalco-halide glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 383, 216-221.	3.1	7
29	High-frequency impedance measurement as a relevant tool for monitoring the apatitic cement setting reaction. <i>Acta Biomaterialia</i> , 2014, 10, 940-950.	8.3	15
30	Long- and Short-Range Constraints for the Structure Determination of Layered Silicates with Stacking Disorder. <i>Chemistry of Materials</i> , 2014, 26, 6994-7008.	6.7	24
31	Glass-Ceramics: Tuneable Nanostructuring of Highly Transparent Zinc Gallogermanate Glasses and Glass-Ceramics ( <i>Advanced Optical Materials</i> 4/2014). <i>Advanced Optical Materials</i> , 2014, 2, 402-402.	7.3	0
32	Homogeneity of peraluminous $SiO_2-B_2O_3-Al_2O_3-Na_2O-CaO-Nd_2O_3$ glasses: Effect of neodymium content. <i>Journal of Non-Crystalline Solids</i> , 2014, 405, 55-62.	3.1	21
33	Visibility of Al Surface Sites of $\gamma$ -Alumina: A Combined Computational and Experimental Point of View. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15292-15299.	3.1	97
34	Phase separation in sodium silicates observed by solid-state MAS-NMR. <i>Journal of Non-Crystalline Solids</i> , 2014, 390, 37-44.	3.1	14
35	Control of selective silicate glass coloration by gold metallic nanoparticles: structural investigation, growth mechanisms, and plasmon resonance modelization. <i>Gold Bulletin</i> , 2013, 46, 243-255.	2.4	6
36	Topological, Geometric, and Chemical Order in Materials: Insights from Solid-State NMR. <i>Accounts of Chemical Research</i> , 2013, 46, 1975-1984.	15.6	60

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37	Temperature-Dependent 4-, 5- and 6-Fold Coordination of Aluminum in MOCVD-Grown Amorphous Alumina Films: A Very High Field <sup>27</sup> Al-NMR study. Journal of Physical Chemistry C, 2013, 117, 21965-21971.	3.1	78
38	Triisobutylaluminum: bulkier and yet more reactive towards silica surfaces than triethyl or trimethylaluminum. Dalton Transactions, 2013, 42, 12681.	3.3	35
39	Beyond periodicity: probing disorder in crystalline materials by solid-state nuclear magnetic resonance spectroscopy. CrystEngComm, 2013, 15, 8623.	2.6	13
40	Synthesis and Structure Determination of CaSi <sub>1/3</sub> B <sub>2/3</sub> O <sub>8/3</sub> : A New Calcium Borosilicate. Inorganic Chemistry, 2013, 52, 4250-4258.	4.0	31
41	Exploring electrolyte organization in supercapacitor electrodes with solid-state NMR. Nature Materials, 2013, 12, 351-358.	27.5	210
42	Evidence of Nanometric-Sized Phosphate Clusters in Bioactive Glasses As Revealed by Solid-State <sup>31</sup> P NMR. Journal of Physical Chemistry C, 2013, 117, 2283-2288.	3.1	59
43	Considerable Improvement of Long-Persistent Luminescence in Germanium and Tin Substituted ZnGa <sub>2</sub> O <sub>4</sub> . Chemistry of Materials, 2013, 25, 1600-1606.	6.7	343
44	New approaches for the local prevention of osteoporotic fractures. Materials Research Society Symposia Proceedings, 2012, 1376, 26.	0.1	1
45	New Insights into the Molecular Structures, Compositions, and Cation Distributions in Synthetic and Natural Montmorillonite Clays. Chemistry of Materials, 2012, 24, 4376-4389.	6.7	79
46	Average versus local structure in K <sub>2</sub> NiF <sub>4</sub> -type LaSrAlO <sub>4</sub> : direct experimental evidence of local cationic ordering. Journal of Materials Chemistry, 2012, 22, 10488.	6.7	18
47	<sup>25</sup> Mg Solid-State NMR of Magnesium Phosphates: High Magnetic Field Experiments and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2012, 116, 19984-19995.	3.1	29
48	Lithium diffusion in lithium nitride by pulsed-field gradient NMR. Physical Chemistry Chemical Physics, 2012, 14, 13535.	2.8	24
49	Synthesis and Structure Resolution of RbLaF <sub>4</sub> . Inorganic Chemistry, 2012, 51, 2272-2282.	4.0	32
50	Oxygen-17 nuclear magnetic resonance measurements on apatite-type lanthanum silicate (La <sub>9.33</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> ). Solid State Ionics, 2012, 228, 64-69.	2.7	12
51	Effects of the orientation of the <sup>23</sup> Na- <sup>29</sup> Si dipolar vector on the dipolar mediated heteronuclear solid state NMR correlation spectrum of crystalline sodium silicates. Solid State Nuclear Magnetic Resonance, 2012, 45-46, 1-10.	2.3	11
52	Elucidation of the Al/Si Ordering in Gehlenite Ca <sub>2</sub> Al <sub>2</sub> SiO <sub>7</sub> by Combined <sup>29</sup> Si and <sup>27</sup> Al NMR Spectroscopy/Quantum Chemical Calculations. Chemistry of Materials, 2012, 24, 4068-4079.	6.7	95
53	Nature and Structure of Aluminum Surface Sites Grafted on Silica from a Combination of High-Field Aluminum-27 Solid-State NMR Spectroscopy and First-Principles Calculations. Journal of the American Chemical Society, 2012, 134, 6767-6775.	13.7	71
54	A solid-state NMR study of C70: A model molecule for amorphous carbons. Solid State Nuclear Magnetic Resonance, 2012, 42, 81-86.	2.3	12

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55	<sup>1</sup> H and <sup>19</sup> F ultra-fast MAS double-quantum single-quantum NMR correlation experiments using three-spin terms of the dipolar homonuclear Hamiltonian. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8024.	2.8	36
56	Structure Resolution of Ba <sub>5</sub> Al <sub>3</sub> F <sub>19</sub> and Investigation of Fluorine Ion Dynamics by Synchrotron Powder Diffraction, Variable-Temperature Solid-State NMR, and Quantum Computations. <i>Inorganic Chemistry</i> , 2011, 50, 2644-2653.	4.0	35
57	Controlling the Size of Nanodomains in Calcium Aluminosilicate Glasses. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18935-18945.	3.1	37
58	Identification and Quantification of Defects in the Cation Ordering in Mg/Al Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2011, 23, 2821-2831.	6.7	114
59	Characterization and Properties of Novel Gallium-Doped Calcium Phosphate Ceramics. <i>Inorganic Chemistry</i> , 2011, 50, 8252-8260.	4.0	60
60	Characterization of the disordered phosphate network in CaO- <sup>32</sup> P <sub>2</sub> O <sub>5</sub> glasses by <sup>31</sup> P solid-state NMR and Raman spectroscopies. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1636-1646.	3.1	34
61	<sup>14</sup> N: A Sensitive NMR Probe for the Study of Surfactant-Oxide Interfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19293-19302.	3.1	17
62	<sup>77</sup> Se solid-state NMR investigations on As <sub>x</sub> Se <sub>1-x</sub> glasses using CPMG acquisition under MAS. <i>Solid State Nuclear Magnetic Resonance</i> , 2011, 40, 72-77.	2.3	26
63	Crystallization of Y <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Rich Glasses: Synthesis of YAG Glass-Ceramics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20499-20506.	3.1	52
64	Investigation of alendronate-doped apatitic cements as a potential technology for the prevention of osteoporotic hip fractures: Critical influence of the drug introduction mode on the in vitro cement properties. <i>Acta Biomaterialia</i> , 2011, 7, 759-770.	8.3	46
65	Broadband inversion for MAS NMR with single-sideband-selective adiabatic pulses. <i>Journal of Chemical Physics</i> , 2011, 134, 024117.	3.0	41
66	Detection and use of small J couplings in solid state NMR experiments. <i>Comptes Rendus Chimie</i> , 2010, 13, 117-129.	0.5	59
67	Perspectives in <sup>1</sup> H, <sup>14</sup> N and <sup>81</sup> Br solid-state NMR studies of interfaces in materials textured by self-assembled amphiphiles. <i>Comptes Rendus Chimie</i> , 2010, 13, 431-442.	0.5	16
68	New perspectives in the PAW/GIPAW approach: JP-O-Si coupling constants, antisymmetric parts of shift tensors and NQR predictions. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, S86-S102.	1.9	42
69	Identification of solvated species present in concentrated and dilute sodium silicate solutions by combined <sup>29</sup> Si NMR and SAXS studies. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 309-315.	9.4	59
70	Rearrangement of the structure during nucleation of a cordierite glass doped with TiO <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 185401.	1.8	13
71	An extension of the Czjzek model for the distributions of electric field gradients in disordered solids and an application to NMR spectra of <sup>71</sup> Ga in chalcogenide glasses. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 065402.	1.8	43
72	The structure of crystals, glasses, and melts along the CaO-Al <sub>2</sub> O <sub>3</sub> join: Results from Raman, Al L- and K-edge X-ray absorption, and <sup>27</sup> Al NMR spectroscopy. <i>American Mineralogist</i> , 2010, 95, 1580-1589.	1.9	75

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73	<sup>29</sup> Si Magic Angle Flipping NMR. Journal of Physical Chemistry A, 2010, 114, 5503-5508.	2.5	49
74	Study of alkaline metal ions and glass-formers in glasses with advanced NMR methods and quantum mechanic calculations. Journal of Non-Crystalline Solids, 2010, 356, 187-200.	3.1	3
75	Structural fluctuations and role of Ti as nucleating agent in an aluminosilicate glass. Journal of Non-Crystalline Solids, 2010, 356, 1368-1373.	3.1	37
76	<sup>31</sup> P solid-state NMR studies of the short-range order in phosphorus-selenium glasses. Physical Chemistry Chemical Physics, 2010, 12, 1535.	2.8	31
77	Comportement à la cristallisation et approches structurales des verres aluminosilicatés de terres rares (Ln = La, Y et Sc). Materiaux Et Techniques, 2010, 98, 409-421.	0.9	10
78	Hybrid Organic-Inorganic Mesostructured Membranes: Interfaces and Organization at Different Length Scales. Journal of Physical Chemistry C, 2010, 114, 11730-11740.	3.1	17
79	<sup>45</sup> Sc Spectroscopy of Solids: Interpretation of Quadrupole Interaction Parameters and Chemical Shifts. Journal of Physical Chemistry C, 2010, 114, 12125-12132.	3.1	33
80	Structure et propriétés des verres et des liquides : le rôle de l'aluminium. Materiaux Et Techniques, 2010, 98, 395-402.	0.9	4
81	Environment of titanium and aluminum in a magnesium aluminosilicate glass. Journal of Physics Condensed Matter, 2009, 21, 375107.	1.8	22
82	Nanostructuring of Hybrid Silicas through a Self-Recognition Process. Chemistry - A European Journal, 2009, 15, 5002-5005.	3.3	17
83	1D to 3D NMR study of microporous aluminophosphate AlPO <sub>4</sub> . Magnetic Resonance in Chemistry, 2009, 47, 942-947.	1.9	36
84	and MAS NMR and magnetic characterization of. Solid State Communications, 2009, 149, 693-696.	1.9	10
85	Structural characterisation of aluminium layered double hydroxides by <sup>27</sup> Al solid-state NMR. Solid State Nuclear Magnetic Resonance, 2009, 36, 19-23.	2.3	57
86	Modulation of the crystallinity of hydrogenated nitrogen-rich graphitic carbon nitrides. Journal of Solid State Chemistry, 2009, 182, 165-171.	2.9	66
87	<sup>14</sup> N and <sup>81</sup> Br Quadrupolar Nuclei as Sensitive NMR Probes of Alkyltrimethylammonium Bromide Crystal Structures. An Experimental and Theoretical Study. Journal of Physical Chemistry B, 2009, 113, 11906-11920.	2.6	28
88	From Layered Double Hydroxides to Layered Double Hydroxide-Based Nanocomposites: A Solid-State NMR Study. Journal of Physical Chemistry C, 2009, 113, 21308-21313.	3.1	40
89	Connectivity and Proximity between Quadrupolar Nuclides in Oxide Glasses: Insights from through-Bond and through-Space Correlations in Solid-State NMR. Journal of Physical Chemistry B, 2009, 113, 5162-5167.	2.6	48
90	<sup>91</sup> Zr Nuclear Magnetic Resonance Spectroscopy of Solid Zirconium Halides at High Magnetic Field. Inorganic Chemistry, 2009, 48, 8709-8717.	4.0	24

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91	Implementation of High Resolution <sup>43</sup> Ca Solid State NMR Spectroscopy: Toward the Elucidation of Calcium Sites in Biological Materials. <i>Journal of the American Chemical Society</i> , 2009, 131, 13430-13440.	13.7	54
92	Probing chemical disorder in glasses using silicon-29 NMR spectral editing. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6935.	2.8	48
93	<sup>29</sup> Si Scalar Spin-Spin Coupling in the Solid State: Crystalline and Glassy Wollastonite CaSiO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2009, 113, 2562-2572.	3.1	70
94	MAS NMR spectra of quadrupolar nuclei in disordered solids: The Czjzek model. <i>Journal of Magnetic Resonance</i> , 2008, 192, 244-251.	2.1	270
95	Efficiency of dipolar and J-derived solid-state NMR techniques for a new pair of nuclei { <sup>31</sup> P, <sup>29</sup> Si}. Towards the characterization of P mesoporous materials. <i>Comptes Rendus Chimie</i> , 2008, 11, 387-397.	0.5	25
96	Structure determination of <sup>125</sup> I-Pb <sub>2</sub> ZnF <sub>6</sub> by coupling multinuclear solid state NMR, powder XRD and ab initio calculations. <i>Dalton Transactions</i> , 2008, , 6150.	3.3	30
97	Reaction of Zoledronate with <sup>125</sup> I-Tricalcium Phosphate for the Design of Potential Drug Device Combined Systems. <i>Chemistry of Materials</i> , 2008, 20, 182-191.	6.7	48
98	Superadiabaticity in magnetic resonance. <i>Journal of Chemical Physics</i> , 2008, 129, 204110.	3.0	49
99	Structure and dynamics of oxide melts and glasses: A view from multinuclear and high temperature NMR. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 249-254.	3.1	59
100	Study of the alkaline environment in mixed alkali compositions by multiple-quantum magic angle nuclear magnetic resonance (MQMAS NMR). <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 333-340.	3.1	33
101	Design of hybrid organic-inorganic materials through their structure control: The case of epoxy bearing alkoxides. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1615-1626.	3.1	23
102	Electrical conductivity and <sup>11</sup> B NMR studies of sodium borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1664-1670.	3.1	44
103	Spray-dried mesoporous silica microspheres with adjustable textures and pore surfaces homogeneously covered by accessible thiol functions. <i>Journal of Materials Chemistry</i> , 2008, 18, 1368.	6.7	45
104	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.	6.7	32
105	Spin-counting NMR experiments for the spectral editing of structural motifs in solids. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1298.	2.8	33
106	Amorphous materials: Properties, structure, and durability: Structure of Mg- and Mg/Ca aluminosilicate glasses: <sup>27</sup> Al NMR and Raman spectroscopy investigations. <i>American Mineralogist</i> , 2008, 93, 1721-1731.	1.9	187
107	Local Al site distribution in aluminosilicate glasses by <sup>27</sup> Al MQMAS NMR. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 180-184.	3.1	121
108	Cation Sublattice Disorder Induced by Swift Heavy Ions in MgAl <sub>2</sub> O <sub>4</sub> and ZnAl <sub>2</sub> O <sub>4</sub> Spinel: <sup>27</sup> Al Solid-State NMR Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12707-12714.	2.6	38

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109	<sup>27</sup> Al NMR Study of the Structure of Lanthanum- and Yttrium-Based Aluminosilicate Glasses and Melts. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9747-9757.	2.6	113
110	Accurate heteronuclear J-coupling measurements in dilute spin systems using the multiple-quantum filtered J-resolved experiment. <i>Chemical Communications</i> , 2007, , 2720.	4.1	33
111	High-resolution two-dimensional NMR spectra of half-integer-spin quadrupolar nuclei from one-dimensional projections. <i>Chemical Physics Letters</i> , 2007, 437, 120-125.	2.6	10
112	New insights into the formation of textures through spray-drying and self-assembly. <i>Microporous and Mesoporous Materials</i> , 2007, 106, 76-94.	4.4	18
113	Synthesis, crystal structure and <sup>71</sup> Ga solid state NMR of a MOF-type gallium trimesate (MIL-96) with $\frac{1}{4}$ -oxo bridged trinuclear units and a hexagonal 18-ring network. <i>Microporous and Mesoporous Materials</i> , 2007, 105, 111-117.	4.4	74
114	Causes of supercapacitors ageing in organic electrolyte. <i>Journal of Power Sources</i> , 2007, 171, 1046-1053.	7.8	348
115	Three-dimensional through-bond homonuclear-heteronuclear correlation experiments for quadrupolar nuclei in solid-state NMR applied to <sup>27</sup> Al- <sup>31</sup> P- <sup>27</sup> Al networks. <i>Journal of Magnetic Resonance</i> , 2007, 184, 15-19.	2.1	12
116	Laser-Heated High-Temperature NMR: A Time-Resolution Study. <i>Applied Magnetic Resonance</i> , 2007, 32, 635-646.	1.2	4
117	Through-bond homonuclear correlation experiments in solid-state NMR applied to quadrupolar nuclei in Al-P-Al chains. <i>Chemical Communications</i> , 2006, , 1924-1925.	4.1	26
118	Effect of Sodium Doping in $\hat{\Gamma}^2$ -Tricalcium Phosphate on Its Structure and Properties. <i>Chemistry of Materials</i> , 2006, 18, 1425-1433.	6.7	60
119	<sup>19</sup> F High Magnetic Field NMR Study of $\hat{\Gamma}^2$ -ZrF <sub>4</sub> and CeF <sub>4</sub> : From Spectra Reconstruction to Correlation between Fluorine Sites and <sup>19</sup> F Isotropic Chemical Shifts. <i>Inorganic Chemistry</i> , 2006, 45, 10636-10641.	4.0	45
120	Al coordination and speciation in calcium aluminosilicate glasses: Effects of composition determined by <sup>27</sup> Al MQ-MAS NMR and Raman spectroscopy. <i>Chemical Geology</i> , 2006, 229, 173-185.	3.3	389
121	Novel phosphate-phosphonate hybrid nanomaterials applied to biology. <i>Progress in Solid State Chemistry</i> , 2006, 34, 257-266.	7.2	25
122	In situ NMR approach of the local structure of molten materials at high temperature. <i>Comptes Rendus Chimie</i> , 2006, 9, 374-380.	0.5	34
123	<sup>27</sup> Al double rotation two-dimensional spin diffusion NMR: Complete unambiguous assignment of aluminium sites in $9\text{Al}_2\text{O}_3 \cdot 2\text{B}_2\text{O}_3$ . <i>Chemical Physics Letters</i> , 2006, 432, 152-156.	2.6	26
124	Triple-quantum correlation NMR experiments in solids using J-couplings. <i>Journal of Magnetic Resonance</i> , 2006, 179, 49-57.	2.1	36
125	Application of the MAS-J-HMQC experiment to a new pair of nuclei { <sup>29</sup> Si, <sup>31</sup> P}: Si <sub>5</sub> O(PO <sub>4</sub> ) <sub>6</sub> and SiP <sub>2</sub> O <sub>7</sub> polymorphs. <i>Journal of Magnetic Resonance</i> , 2006, 179, 114-119.	2.1	37
126	Two-dimensional one pulse MAS of half-integer quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2006, 181, 310-315.	2.1	42



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127	Toward a better description of gallo-phosphate materials in solid-state NMR: 1D and 2D correlation studies. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 770-775.	1.9	22
128	A Novel Drug Delivery System for Bisphosphonates: Innovative Strategy for Local Treatment of Bone Resorption. <i>Key Engineering Materials</i> , 2005, 284-286, 399-402.	0.4	4
129	Measurement of J-couplings between spin- and quadrupolar nuclei by frequency selective solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 27, 228-232.	2.3	24
130	Novel biomaterials for bisphosphonate delivery. <i>Biomaterials</i> , 2005, 26, 2073-2080.	11.4	143
131	Hybrid materials applied to biotechnologies: coating of calcium phosphates for the design of implants active against bone resorption disorders. <i>Journal of Materials Chemistry</i> , 2005, 15, 3869.	6.7	41
132	<sup>17</sup> O NMR in room temperature phase of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> fast oxide ionic conductor. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 366-371.	1.9	18
133	Solid-state NMR study of ureidopyrimidinone model compounds. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 405-410.	1.9	16
134	Synthesis and Characterization of Spinel-Type Gallia-Alumina Solid Solutions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2121-2126.	1.2	43
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