

Mathieu Allix

List of Publications by Year in descending order

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155
papers

4,876
citations

94269

37
h-index

114278

63
g-index

173
all docs

173
docs citations

173
times ranked

5025
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles calculations to identify key native point defects in Sr ₄ Al ₁₄ O ₂₅ . Physical Chemistry Chemical Physics, 2022, 24, 2482-2490.	1.3	3
2	The role of fluorine in high quantum yield oxyfluoride glasses and glass-ceramics. Journal of Alloys and Compounds, 2022, 900, 163512.	2.8	8
3	Glass-forming ability and ZrO ₂ saturation limits in the magnesium aluminosilicate system. Ceramics International, 2022, 48, 8433-8439.	2.3	14
4	Glass formation and devitrification behavior of alkali (Li, Na) aluminosilicate melts containing TiO ₂ . Journal of Non-Crystalline Solids, 2022, 582, 121448.	1.5	7
5	Multiple Anion Chemistry for Ionic Layer Thickness Tailoring in Bi ₂ O ₂ Se ₂ X ₂ (X = Cl, Br) van der Waals Semiconductors with Low Thermal Conductivities. Chemistry of Materials, 2022, 34, 4751-4764.	3.2	3
6	Stabilization of the Trigonal Langasite Structure in Ca ₃ Ga ₂ Zn ₂ Ge ₄ O ₁₄ (0 ≤ x ≤ 1) with Partial Ordering of Three Isoelectronic Cations Characterized by a Multitechnique Approach. Inorganic Chemistry, 2022, 61, 9339-9351.	1.9	2
7	Theoretical and Experimental Studies of Gallate Melilite Electrides from Topotactic Reduction of Interstitial Oxide Ion Conductors. Inorganic Chemistry, 2022, 61, 10915-10924.	1.9	2
8	Crystallization kinetics of Al ₂ O ₃ -26mol%Y ₂ O ₃ glass and full crystallized transparent Y ₃ Al ₅ O ₁₂ -based nanoceramic. Journal of the European Ceramic Society, 2021, 41, 1557-1563.	2.8	8
9	Combustion of silane-nitrous oxide-argon mixtures: Analysis of laminar flame propagation and condensed products. Proceedings of the Combustion Institute, 2021, 38, 2235-2245.	2.4	7
10	Non-Isothermal Decomposition as Efficient and Simple Synthesis Method of NiO/C Nanoparticles for Asymmetric Supercapacitors. Nanomaterials, 2021, 11, 187.	1.9	11
11	Extended B-Site Vacancy Content Range and Cation Ordering in Twinned Hexagonal Perovskites Ba ₈ Cr ₄ − <i>x</i> Ta ₄ +0.6 <i>x</i> O ₂₄ . Inorganic Chemistry, 2021, 60, 3282-3290.	1.9	2
12	Sodium Site Exchange and Migration in a Polar Stuffed-Cristobalite Framework Structure. Inorganic Chemistry, 2021, 60, 4322-4331.	1.9	2
13	Polymorphs of Rb ₃ ScF ₆ : X-ray and Neutron Diffraction, Solid-State NMR, and Density Functional Theory Calculations Study. Inorganic Chemistry, 2021, 60, 6016-6026.	1.9	0
14	Photochromism and Persistent Luminescence in Ni-Doped ZnGa ₂ O ₄ Transparent Glass-Ceramics: Toward Optical Memory Applications. Journal of Physical Chemistry C, 2021, 125, 10110-10120.	1.5	41
15	Macroscopic Orientation Domains Grown via Aerodynamic Levitation: A Path toward Single Crystals. Crystal Growth and Design, 2021, 21, 3554-3561.	1.4	2
16	Strategies for charging and discharging phosphors with persistent luminescence. , 2021, , .		0
17	Network hydration, ordering and composition interplay of chemical vapor deposited amorphous silica films from tetraethyl orthosilicate. Journal of Materials Research and Technology, 2021, 13, 534-547.	2.6	4
18	Emergence of A-Site Cation Order in the Small Rare-Earth Melilites Sr _{<i>x</i>} RE _{<i>y</i>} Ga ₃ O ₇ (<i>RE</i> = Dy, Lu, Y). Inorganic Chemistry, 2021, 60, 12339-12354.	1.9	6

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19	First ZnGa ₂ O ₄ transparent ceramics. Journal of the European Ceramic Society, 2021, 41, 4934-4941.	2.8	23
20	Rapid solidification synthesis of novel (La,Y) ₂ (Zr,Ti) ₂ O ₇ pyrochlore-based glass-ceramics for the immobilization of high-level wastes. Journal of the European Ceramic Society, 2021, 41, 7253-7260.	2.8	8
21	Glass forming regions, structure and properties of lanthanum barium germanate and gallate glasses. Journal of Non-Crystalline Solids, 2021, 571, 121064.	1.5	21
22	Materials development and potential applications of transparent ceramics: A review. Materials Science and Engineering Reports, 2020, 139, 100518.	14.8	221
23	Development of Melilite-type Oxide Ion Conductors. Chemical Record, 2020, 20, 1117-1128.	2.9	23
24	La ₂ Ga ₃ O _{7.5} : A Metastable Ternary Melilite with a Super-Excess of Interstitial Oxide Ions Synthesized by Direct Crystallization of the Melt. Chemistry of Materials, 2020, 32, 9016-9025.	3.2	18
25	Modulated structure determination and ion transport mechanism of oxide-ion conductor CeNbO ₄ + δ . Nature Communications, 2020, 11, 4751.	5.8	20
26	Attempting to Verify the Existence of ZnY ₂ O ₄ Using Electron Backscatter Diffraction. ACS Omega, 2020, 5, 17576-17581.	1.6	3
27	Hexagonal Sr _{1-x/2} Al _{2x} Si _x O ₄ :Eu ²⁺ ,Dy ³⁺ transparent 13 ceramics with tuneable persistent luminescence properties. Dalton Transactions, 2020, 49, 16849-16859.		
28	Engineering NIR-IIb fluorescence of Er-based lanthanide nanoparticles for through-skull targeted imaging and imaging-guided surgery of orthotopic glioma. Nano Today, 2020, 34, 100905.	6.2	100
29	A comprehensive study of the glass/translucent anti-glass/transparent ceramic structural ordering in the Bi ₂ O ₃ Nb ₂ O ₅ -TeO ₂ system. Acta Materialia, 2020, 189, 73-84.	3.8	19
30	New KNbTeO ₆ transparent tellurate ceramics. Journal of the European Ceramic Society, 2020, 40, 4164-4170.	2.8	8
31	X-ray Diffraction, NMR Studies, and DFT Calculations of the Room and High Temperature Structures of Rubidium Cryolite, Rb ₃ AlF ₆ . Inorganic Chemistry, 2020, 59, 6308-6318.	1.9	7
32	Persistent luminescence features in hexagonal Sr _{0.75} Al _{1.5} Si _{0.5} O ₄ :Eu ²⁺ phosphor. , 2020, , .		0
33	Persistent energy transfer in ZGO:Cr ³⁺ ,Yb ³⁺ : a new strategy to design nano glass-ceramics featuring deep red and near infrared persistent luminescence. Physical Chemistry Chemical Physics, 2019, 21, 19458-19468.	1.3	34
34	New Electrochemical Approach for the Synthesis of Pd-PdO/C Electrocatalyst and Application to Formic Acid Electrooxidation. ChemistrySelect, 2019, 4, 8390-8393.	0.7	3
35	Ba ₈ CoNb ₆ Ta ₂ O ₂₄ Eight-Layer Shifted Hexagonal Perovskite Ceramics with Spontaneous Ta ⁵⁺ Ordering and Near-Zero μ_r . Inorganic Chemistry, 2019, 58, 10974-10982.	1.9	10
36	Persistent Luminescence Features in Hexagonal Sr _{1-x/2} Al _{2-x/2} Si _{x/2} O ₄ :Eu ²⁺ ,Dy ³⁺ Compounds. , 2019, , .		0

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37	Deep Red and Near Infrared Persistent Luminescence in Yb ³⁺ , Cr ³⁺ Co-Doped ZnGa ₂ O ₄ Nano Glass Ceramics. , 2019, , .		0
38	Trigonal-Planar Low-Spin Co ²⁺ in a Layered Mixed-Polyhedral Network from Topotactic Reduction. Inorganic Chemistry, 2019, 58, 14193-14203.	1.9	3
39	Combining solid state NMR, powder X-ray diffraction, and DFT calculations for CsSc ₃ F ₁₀ structure determination. Journal of Alloys and Compounds, 2019, 787, 1349-1355.	2.8	5
40	Properties, structure and crystallization study of germano-gallate glasses in the Ga ₂ O ₃ -GeO ₂ -BaO-K ₂ O system. Journal of Non-Crystalline Solids, 2019, 514, 98-107.	1.5	26
41	Interstitial Oxide Ion Migration Mechanism in Aluminate Melilite La _{1+x} Ca _{1-x} Al ₃ O _{7+0.5x} Ceramics Synthesized by Glass Crystallization. ACS Applied Energy Materials, 2019, 2, 2878-2888.	2.5	21
42	Highly Transparent Fluorotellurite Glass-Ceramics: Structural Investigations and Luminescence Properties. Inorganic Chemistry, 2019, 58, 16387-16401.	1.9	7
43	Deconvolution method of ²⁹ Si MAS NMR spectra applied to homogeneous and phase separated lanthanum aluminosilicate glasses. Journal of Non-Crystalline Solids, 2019, 503-504, 352-365.	1.5	18
44	Crystallization and Glass-Ceramics. Springer Handbooks, 2019, , 113-167.	0.3	19
45	Updated definition of glass-ceramics. Journal of Non-Crystalline Solids, 2018, 501, 3-10.	1.5	248
46	Combined Approach for the Structural Characterization of Alkali Fluoroscandates: Solid-State NMR, Powder X-ray Diffraction, and Density Functional Theory Calculations. Inorganic Chemistry, 2018, 57, 1184-1195.	1.9	14
47	Oriented nucleation and crystal growth in SrO-Al ₂ O ₃ -SiO ₂ tectosilicate glasses. CrystEngComm, 2018, 20, 3455-3466.	1.3	16
48	8H ^{10H} Stacking Periodicity Control in Twinned Hexagonal Perovskite Dielectrics. Inorganic Chemistry, 2018, 57, 4117-4124.	1.9	3
49	Pressureless glass crystallization of transparent yttrium aluminum garnet-based nanoceramics. Nature Communications, 2018, 9, 1175.	5.8	130
50	First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. Journal of Materials Chemistry A, 2018, 6, 5276-5289.	5.2	33
51	Copper oxides for energy storage application: Novel pulse alternating current synthesis. Materials Science in Semiconductor Processing, 2018, 73, 111-116.	1.9	21
52	Revealing the substitution mechanism in Eu ³⁺ :CaMoO ₄ and Eu ³⁺ , Na ⁺ :CaMoO ₄ phosphors. Journal of Materials Chemistry C, 2018, 6, 12830-12840.	2.7	34
53	Innovative lithium storage enhancement in cation-deficient anatase via layered oxide hydrothermal transformation. Journal of Materials Chemistry A, 2018, 6, 24232-24244.	5.2	11
54	In Situ Investigation of Non-isothermal Decomposition of Pt Acetylacetonate as One-Step Size-Controlled Synthesis of Pt Nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800488.	0.8	3

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55	Cooperative mechanisms of oxygen vacancy stabilization and migration in the isolated tetrahedral anion Scheelite structure. <i>Nature Communications</i> , 2018, 9, 4484.	5.8	85
56	Oxo- and Oxofluoroaluminates in the $\text{RbF}\cdot\text{Al}_2\text{O}_3$ System: Synthesis and Structural Characterization. <i>Inorganic Chemistry</i> , 2018, 57, 13702-13712.	1.9	5
57	Synthesis of $\text{Co}_3\text{O}_4/\text{CoOOH}$ via electrochemical dispersion using a pulse alternating current method for lithium-ion batteries and supercapacitors. <i>Solid State Sciences</i> , 2018, 86, 53-59.	1.5	12
58	On the Evaluation of the Average Crystalline Size and Surface Area of Platinum Catalyst Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800240.	0.7	12
59	Structural, optical and X-ray attenuation properties of $\text{Tb}^{3+}:\text{Ba}_x\text{Ce}_{1-x}\text{F}_3$ ($x = 0.18\text{--}0.48$) nanospheres synthesized in polyol medium. <i>Dalton Transactions</i> , 2018, 47, 8382-8391.	1.6	2
60	8-Layer Shifted Hexagonal Perovskite $\text{Ba}_8\text{MnNb}_6\text{O}_{24}$: Long-Range Ordering of High-Spin d^{5+} Mn^{2+} Layers and Electronic Structure. <i>Inorganic Chemistry</i> , 2018, 57, 5732-5742.	1.9	10
61	Non-isothermal decomposition of platinum acetylacetonate as a cost-efficient and Size-Controlled Synthesis of Pt/C nanoparticles. <i>Catalysis Communications</i> , 2018, 117, 14-18.	1.6	5
62	Persistent luminescence in both first and second biological windows in $\text{ZnGa}_2\text{O}_4:\text{Cr}^{3+},\text{Yb}^{3+}$ glass ceramics. , 2018, , .		2
63	Second harmonic generation in germanotellurite bulk glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1412-1423.	1.9	6
64	Persistent luminescence in $\text{ZnGa}_2\text{O}_4:\text{Cr}^{3+}$ transparent glass-ceramics. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4
65	Structure and viscosity of phase-separated $\text{BaO}\cdot\text{SiO}_2$ glasses. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1982-1993.	1.9	20
66	New eight-layer twinned hexagonal perovskite microwave dielectric ceramic $\text{Ba}_8\text{NiNb}_6\text{O}_{24}$. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1212-1220.	1.9	13
67	Thermal expansion coefficient of carbon-supported Pt nanoparticles: <i>in situ</i> X-ray diffraction study. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600695.	0.7	11
68	Persistent Luminescence of $\text{ZnGa}_2\text{O}_4:\text{Cr}^{3+}$ Transparent Glass Ceramics: Effects of Excitation Wavelength and Excitation Power. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5114-5120.	1.0	40
69	Local Disorder and Tunable Luminescence in $\text{Sr}_{1-x}\text{Al}_2\text{Si}_x\text{O}_4$ (0.2 at%) <i>Tj ETQq.b 1 0.784314 rgB</i>	1.7	14
70	Ytterbium-doped oxyfluoride nano-glass-ceramic fibers for laser cooling. <i>Optical Materials Express</i> , 2017, 7, 1980.	1.6	34
71	Amorphization by Mechanical Milling for Making Sr^{2+} Transparent Glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1573-1578.	1.9	11
72	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.	1.6	12

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73	Scalable and Formable Tellurite-Based Transparent Ceramics for Near Infrared Applications. <i>Advanced Optical Materials</i> , 2016, 4, 1482-1486.	3.6	46
74	First 14-Layer Twinned Hexagonal Perovskite Ba ₁₄ Mn _{1.75} Ta _{10.5} O ₄₂ : Atomic-Scale Imaging of Cation Ordering. <i>Chemistry of Materials</i> , 2016, 28, 4686-4696.	3.2	12
75	Transparent polycrystalline SrREGa ₃ O ₇ melilite ceramics: potential phosphors for tuneable solid state lighting. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3238-3247.	2.7	24
76	Enhanced Transparency through Second Phase Crystallization in BaAl ₄ O ₇ Scintillating Ceramics. <i>Crystal Growth and Design</i> , 2016, 16, 386-395.	1.4	15
77	Transparency through Structural Disorder: A New Concept for Innovative Transparent Ceramics. <i>Chemistry of Materials</i> , 2015, 27, 508-514.	3.2	50
78	BaGa ₄ O ₇ , a new A ₃ BC ₁₀ O ₂₀ crystalline phase: synthesis, structural determination and luminescence properties. <i>CrystEngComm</i> , 2015, 17, 6127-6135.	1.3	8
79	Aliovalent-substitution defect chemistry, crystalline-glassy phase separation and ionic conductivity in fresnoite Ba ₂ TiSi ₂ O ₈ -based materials. <i>Solid State Ionics</i> , 2015, 278, 157-165.	1.3	12
80	Phosphorus speciation in dicalcium silicate phases: Application to the basic oxygen furnace (BOF) slag. <i>Cement and Concrete Research</i> , 2015, 73, 207-214.	4.6	19
81	New Transparent Glass-Ceramics Based on the Crystallization of "Anti-glass" Spherulites in the Bi ₂ O ₃ "Nb ₂ O ₅ "TeO ₂ System. <i>Crystal Growth and Design</i> , 2015, 15, 5086-5096.	1.4	37
82	Original Synthetic Route To Obtain a SrAl ₂ O ₄ Phosphor by the Molten Salt Method: Insights into the Reaction Mechanism and Enhancement of the Persistent Luminescence. <i>Inorganic Chemistry</i> , 2015, 54, 9896-9907.	1.9	59
83	Nonstoichiometric Control of Tunnel-Filling Order, Thermal Expansion, and Dielectric Relaxation in Tetragonal Tungsten Bronzes Ba _{0.5} TaO ₃ . <i>Inorganic Chemistry</i> , 2015, 54, 8978-8986.	1.9	5
84	Influence of Alteration Solutions on the Chemical Durability of the Z ⁺ Glass-Ceramic: Structural Investigation. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 811-822.	1.1	6
85	Commentaire de la RMN, la modulation et la diffraction pour une cristallographie des systèmes d'ordonnés. , 2015, , 50-55.	0.1	0
86	Localization of Oxygen Interstitials in CeSrGa ₃ O ₇ Melilite. <i>Inorganic Chemistry</i> , 2014, 53, 11589-11597.	1.9	21
87	Tuneable Nanostructuring of Highly Transparent Zinc Gallogermanate Glasses and Glass-Ceramics. <i>Advanced Optical Materials</i> , 2014, 2, 364-372.	3.6	70
88	Stimulated structural changes of Se in nanolayered composite films. <i>Materials Chemistry and Physics</i> , 2014, 143, 889-893.	2.0	6
89	Long- and Short-Range Constraints for the Structure Determination of Layered Silicates with Stacking Disorder. <i>Chemistry of Materials</i> , 2014, 26, 6994-7008.	3.2	24
90	Long-lasting luminescent ZnGa ₂ O ₄ :Cr ³⁺ transparent glass-ceramics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10002-10010.	2.7	70

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91	White light and multicolor emission tuning in triply doped Yb ³⁺ /Tm ³⁺ /Er ³⁺ novel fluoro-phosphate transparent glass-ceramics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5046-5056.	2.7	66
92	Homogeneity of peraluminous SiO ₂ –B ₂ O ₃ –Al ₂ O ₃ –Na ₂ O–CaO–Nd ₂ O ₃ glasses: Effect of neodymium content. <i>Journal of Non-Crystalline Solids</i> , 2014, 405, 55-62.	1.5	21
93	Light yield sensitization by X-ray irradiation of the BaAl ₄ O ₇ :Eu ²⁺ ceramic scintillator obtained by full crystallization of glass. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24824-24829.	1.3	23
94	Crystallization Kinetics of Apatite and Powellite in a Borosilicate Glass Under Thermal Gradient Conditions. <i>Physics Procedia</i> , 2013, 48, 3-9.	1.2	7
95	Image analysis study of crystallization in two glass compositions of nuclear interest. <i>Journal of Non-Crystalline Solids</i> , 2013, 379, 112-122.	1.5	11
96	Defect Structure, Phase Separation, and Electrical Properties of Nonstoichiometric Tetragonal Tungsten Bronze Ba _{0.5} TaO ₃ . <i>Inorganic Chemistry</i> , 2013, 52, 13244-13252.	1.9	14
97	Crystal Structures and Photoluminescence across the La ₂ Si ₂ O ₇ –Ho ₂ Si ₂ O ₇ System. <i>Inorganic Chemistry</i> , 2013, 52, 13469-13479.	1.9	15
98	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.	1.1	6
99	Topological, Geometric, and Chemical Order in Materials: Insights from Solid-State NMR. <i>Accounts of Chemical Research</i> , 2013, 46, 1975-1984.	7.6	60
100	Synthesis and Structure Determination of CaSi _{1/3} B _{2/3} O _{8/3} : A New Calcium Borosilicate. <i>Inorganic Chemistry</i> , 2013, 52, 4250-4258.	1.9	31
101	Pulsed laser deposited amorphous chalcogenide and alumino-silicate thin films and their multilayered structures for photonic applications. <i>Thin Solid Films</i> , 2013, 539, 226-232.	0.8	17
102	Evidence of Nanometric-Sized Phosphate Clusters in Bioactive Glasses As Revealed by Solid-State ³¹ P NMR. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2283-2288.	1.5	59
103	Thermal Expansion of Rare-Earth Pyrosilicates. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2298-2305.	1.9	134
104	Considerable Improvement of Long-Persistent Luminescence in Germanium and Tin Substituted ZnGa ₂ O ₄ . <i>Chemistry of Materials</i> , 2013, 25, 1600-1606.	3.2	343
105	Perfectly Transparent Sr ₃ Al ₂ O ₆ Polycrystalline Ceramic Elaborated from Glass Crystallization. <i>Chemistry of Materials</i> , 2013, 25, 4017-4024.	3.2	60
106	Oxygen-deficiency-induced 6H-polymorph of hexagonal perovskite Ba ₄ YMn ₃ O _{11.5} : synthesis, structure and properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 8103.	6.7	10
107	Revealing Structural Detail in the High Temperature La ₂ Si ₂ O ₇ –Y ₂ Si ₂ O ₇ Phase Diagram by Synchrotron Powder Diffraction and Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21523-21535.	1.5	21
108	Highly Transparent BaAl ₄ O ₇ Polycrystalline Ceramic Obtained by Full Crystallization from Glass. <i>Advanced Materials</i> , 2012, 24, 5570-5575.	11.1	94

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109	Synthesis and Structure Resolution of RbLaF ₄ . Inorganic Chemistry, 2012, 51, 2272-2282.	1.9	32
110	Laser-Driven Precipitation and Modification of Silver Nanoparticles in Soda Lime Glass Matrix Monitored by On-line Extinction Measurements. Plasmonics, 2012, 7, 279-286.	1.8	12
111	Structure Resolution of Ba ₅ Al ₃ F ₁₉ and Investigation of Fluorine Ion Dynamics by Synchrotron Powder Diffraction, Variable-Temperature Solid-State NMR, and Quantum Computations. Inorganic Chemistry, 2011, 50, 2644-2653.	1.9	35
112	Controlling the Size of Nanodomains in Calcium Aluminosilicate Glasses. Journal of Physical Chemistry C, 2011, 115, 18935-18945.	1.5	37
113	New 8-Layer Twinned Hexagonal Perovskite Microwave Dielectric Ceramics Ba ₈ Ga ₄ Ta _{4+0.6} O ₂₄ . Chemistry of Materials, 2011, 23, 5058-5067.	3.2	34
114	Synthesis of high surface area CuMn ₂ O ₄ by supercritical anti-solvent precipitation for the oxidation of CO at ambient temperature. Catalysis Science and Technology, 2011, 1, 740.	2.1	50
115	Synthesis and Structure Determination of the High Temperature Form of La ₂ WO ₆ . Crystal Growth and Design, 2011, 11, 5105-5112.	1.4	20
116	Characterization and Properties of Novel Gallium-Doped Calcium Phosphate Ceramics. Inorganic Chemistry, 2011, 50, 8252-8260.	1.9	60
117	Limiting of photo induced changes in amorphous chalcogenide/alumino-silicate nanomultilayers. Materials Chemistry and Physics, 2011, 130, 1022-1025.	2.0	2
118	Crystallization of Y ₂ O ₃ –Al ₂ O ₃ Rich Glasses: Synthesis of YAG Glass-Ceramics. Journal of Physical Chemistry C, 2011, 115, 20499-20506.	1.5	52
119	Evidence of network demixing in GeS ₂ –Ga ₂ S ₃ chalcogenide glasses: A phase transformation study. Journal of Solid State Chemistry, 2011, 184, 584-588.	1.4	51
120	Structural elucidation of $\hat{\Gamma}^2$ -(Y,Sc) ₂ Si ₂ O ₇ : combined use of ⁸⁹ Y MAS NMR and powder diffraction. Journal of Applied Crystallography, 2011, 44, 846-852.	1.9	15
121	Synthesis and characterization of chloro-sulphide glass-ceramics containing neodymium(III) ions. Materials Research Bulletin, 2010, 45, 448-455.	2.7	18
122	Pulsed laser deposited alumino-silicate thin films and amorphous chalcogenide/alumino-silicate structures. Thin Solid Films, 2010, 519, 1341-1345.	0.8	6
123	Phase intergrowth between the double perovskite Sr ₂ MgMoO ₆ and the n=2 R-P phase Sr ₃ Mo ₂ O ₇ . Solid State Ionics, 2010, 181, 889-893.	1.3	2
124	Similar behaviors of sulfide and selenide-based chalcogenide glasses to form glass ceramics. , 2010, , .		10
125	Second-order optical nonlinearity and ionic conductivity of nanocrystalline GeS ₂ –Ga ₂ S ₃ –LiI glass-ceramics with improved thermo-mechanical properties. Physical Chemistry Chemical Physics, 2010, 12, 3780.	1.3	29
126	Diffraction techniques and vibrational spectroscopy opportunities to characterise bones. Osteoporosis International, 2009, 20, 1065-1075.	1.3	78

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127	Upconversion luminescence of transparent Er ³⁺ -doped chalcogenide glass-ceramics. <i>Optical Materials</i> , 2009, 31, 760-764.	1.7	68
128	Behaviour of ruthenium dioxide particles in borosilicate glasses and melts. <i>Journal of Nuclear Materials</i> , 2009, 389, 450-457.	1.3	23
129	New Nanocrystalline Cu/MnO _x Catalysts Prepared from Supercritical Antisolvent Precipitation. <i>ChemCatChem</i> , 2009, 1, 247-251.	1.8	44
130	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi ₂ Mn _{4/3} Ni _{2/3} O ₆ . <i>Journal of the American Chemical Society</i> , 2009, 131, 14000-14017.	6.6	27
131	Structural Investigations of Glass Ceramics in the Ga ₂ S ₃ -GeS ₂ -CsCl System. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14574-14580.	1.2	55
132	Direct Coprecipitation Route to Monodisperse Dual-Functionalized Magnetic Iron Oxide Nanocrystals Without Size Selection. <i>Small</i> , 2008, 4, 231-239.	5.2	137
133	Optical and Mechanical Properties of Glasses and Glass-Ceramics Based on the Ge-Ga-Se System. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3566-3570.	1.9	59
134	Highly Conducting Redox Stable Pyrochlore Oxides. <i>Chemistry of Materials</i> , 2008, 20, 6911-6916.	3.2	28
135	Magnetism and Phase Formation in the Candidate Dilute Magnetic Semiconductor System In ₂ Cr _x O ₃ : Bulk Materials are Dilute Paramagnets. <i>Advanced Functional Materials</i> , 2008, 18, 777-784.	7.8	16
136	Modular Construction of Oxide Structures—Compositional Control of Transition Metal Coordination Environments. <i>Journal of the American Chemical Society</i> , 2008, 130, 7570-7583.	6.6	14
137	Controlled crystallization in Ge-(Sb/Ga)-(S/Se)-MX glasses for infrared applications. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 1079-1082.	0.5	25
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