

# Michael A Karakassides

## List of Publications by Year in descending order

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139  
papers

7,390  
citations

76326

40  
h-index

58581

82  
g-index

141  
all docs

141  
docs citations

141  
times ranked

8295  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-printed bioactive scaffolds for bone regeneration bearing carbon dots for bioimaging purposes. <i>Smart Materials in Medicine</i> , 2022, 3, 12-19.	6.7	23
2	Microwave Synthesis, Characterization and Perspectives of Wood Pencil-Derived Carbon. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 410.	2.5	1
3	Biomass Waste Carbonization in Piranha Solution: A Route to Hypergolic Carbons?. <i>Micro</i> , 2022, 2, 137-153.	2.0	1
4	Use of a Hybrid Porous Carbon Material Derived from Expired Polysaccharides Snack/Iron Salt Exhibiting Magnetic Properties, for Hexavalent Chromium Removal. <i>Polysaccharides</i> , 2022, 3, 326-346.	4.8	1
5	Multifunctional Carbon-Based Hybrid Foams for Shape-Stabilization of Phase Change Materials, Thermal Energy Storage, and Electromagnetic Interference Shielding Functions. <i>Micro</i> , 2022, 2, 390-409.	2.0	2
6	Advanced Cr(VI) sorption properties of activated carbon produced via pyrolysis of the "Posidonia oceanica" seagrass. <i>Journal of Hazardous Materials</i> , 2021, 405, 124274.	12.4	54
7	Development of Poly(L-Lactic Acid)/Chitosan/Basil Oil Active Packaging Films via a Melt-Extrusion Process Using Novel Chitosan/Basil Oil Blends. <i>Processes</i> , 2021, 9, 88.	2.8	16
8	Ultrafine Ni <sub>2</sub> P Nanoparticle-Decorated r-GO: A Novel Liquid-Phase Approach and Dibenzothiophene Hydro-desulfurization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 4300-4309.	3.7	1
9	Carbon Nanostructures Derived through Hypergolic Reaction of Conductive Polymers with Fuming Nitric Acid at Ambient Conditions. <i>Molecules</i> , 2021, 26, 1595.	3.8	9
10	Hypergolic Ignition of 1,3-Cyclodienes by Fuming Nitric Acid toward the Fast and Spontaneous Formation of Carbon Nanosheets at Ambient Conditions. <i>Micro</i> , 2021, 1, 15-27.	2.0	3
11	Preparation and Characterization of Polystyrene Hybrid Composites Reinforced with 2D and 3D Inorganic Fillers. <i>Micro</i> , 2021, 1, 3-14.	2.0	3
12	Influence of K and Mg substitutions on the synthesis and the properties of CaO-MgO-SiO <sub>2</sub> /Na <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , CaF <sub>2</sub> bioactive glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 573, 121140.	3.1	12
13	Utilization of Tires Waste-Derived Magnetic-Activated Carbon for the Removal of Hexavalent Chromium from Wastewater. <i>Materials</i> , 2021, 14, 34.	2.9	16
14	Nanocarbon from Rocket Fuel Waste: The Case of Furfuryl Alcohol-Fuming Nitric Acid Hypergolic Pair. <i>Nanomaterials</i> , 2021, 11, 1.	4.1	113
15	Nanoporous Carbon Magnetic Hybrid Derived from Waterlock Polymers and Its Application for Hexavalent Chromium Removal from Aqueous Solution. <i>Journal of Carbon Research</i> , 2021, 7, 69.	2.7	3
16	Hypergolic Synthesis of Inorganic Materials by the Reaction of Metallocene Dichlorides with Fuming Nitric Acid at Ambient Conditions: The Case of Photocatalytic Titania. <i>Sci</i> , 2021, 3, 46.	3.0	1
17	On the selective oxidation of H <sub>2</sub> S by heavy loaded Nanoparticles Embedded in Mesoporous Matrix (NEMMs). <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119338.	20.2	13
18	Hypergolic Materials Synthesis through Reaction of Fuming Nitric Acid with Certain Cyclopentadienyl Compounds. <i>Journal of Carbon Research</i> , 2020, 6, 61.	2.7	9

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19	Rapid Carbon Formation from Spontaneous Reaction of Ferrocene and Liquid Bromine at Ambient Conditions. <i>Nanomaterials</i> , 2020, 10, 1564.	4.1	11
20	Synthesis, Characterization and Mechanical Properties of Nanocomposites Based on Novel Carbon Nanowires and Polystyrene. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5737.	2.5	4
21	CO <sub>2</sub> Methanation on Supported Rh Nanoparticles: The combined Effect of Support Oxygen Storage Capacity and Rh Particle Size. <i>Catalysts</i> , 2020, 10, 944.	3.5	35
22	Nanoporous Activated Carbon Derived via Pyrolysis Process of Spent Coffee: Structural Characterization. Investigation of Its Use for Hexavalent Chromium Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8812.	2.5	15
23	Hypergolics in Carbon Nanomaterials Synthesis: New Paradigms and Perspectives. <i>Molecules</i> , 2020, 25, 2207.	3.8	11
24	Functional Carbon Materials Derived through Hypergolic Reactions at Ambient Conditions. <i>Nanomaterials</i> , 2020, 10, 566.	4.1	13
25	Synthesis of glass-ceramics in the Na <sub>2</sub> O/K <sub>2</sub> O-CaO-MgO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -CaF <sub>2</sub> system as candidate materials for dental applications. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2025-2035.	2.1	9
26	Synthesis of Highly Crystalline Graphite from Spontaneous Ignition of In Situ Derived Acetylene and Chlorine at Ambient Conditions. <i>Molecules</i> , 2020, 25, 297.	3.8	21
27	Structure and Properties of Epoxy/Fly Ash System: Influence of Filler Content and Surface Modification. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 4620-4629.	2.5	4
28	Direct production of carbon nanosheets by self-ignition of pyrophoric lithium dialkylamides in air. <i>Materials Letters</i> , 2019, 254, 58-61.	2.6	12
29	Surface chemical modification of macroporous and mesoporous carbon materials: Effect on their textural and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 334-344.	4.4	15
30	Facile MoS <sub>2</sub> Growth on Reduced Graphene-Oxide via Liquid Phase Method. <i>Frontiers in Materials</i> , 2018, 5, .	2.4	5
31	New N-(2-carboxybenzyl)chitosan composite scaffolds containing nanoTiO <sub>2</sub> or bioactive glass with enhanced cell proliferation for bone-tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 71-81.	3.4	18
32	Structural and Theoretical Study of Strontium Borophosphate Glasses Using Raman Spectroscopy and ab Initio Molecular Orbital Method. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4610-4619.	2.6	35
33	Magnetic Carbon Nanocages: An Advanced Architecture with Surface- and Morphology-Enhanced Removal Capacity for Arsenites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5782-5792.	6.7	31
34	Fullerol-graphene nanobuds: Novel water dispersible and highly conductive nanocarbon for electrochemical sensing. <i>Applied Materials Today</i> , 2017, 9, 71-76.	4.3	10
35	Fe(III)-functionalized carbon dots-Highly efficient photoluminescence redox catalyst for hydrogenations of olefins and decomposition of hydrogen peroxide. <i>Applied Materials Today</i> , 2017, 7, 179-184.	4.3	34
36	Efficient and Rapid Photocatalytic Reduction of Hexavalent Chromium Achieved by a Phloroglucinol-Derived Microporous Polymeric Organic Framework Solid. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7303-7311.	3.1	36

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37	A biomimetic approach for enhancing adhesion and osteogenic differentiation of adipose-derived stem cells on poly(butylene succinate) composites with bioactive ceramics and glasses. <i>European Polymer Journal</i> , 2017, 87, 159-173.	5.4	10
38	Unexpected orbital magnetism in Bi-rich Bi <sub>2</sub> Se <sub>3</sub> nanoplatelets. <i>NPG Asia Materials</i> , 2016, 8, e271-e271.	7.9	9
39	Surface decoration of amine-rich carbon nitride with iron nanoparticles for arsenite (AsIII) uptake: The evolution of the Fe-phases under ambient conditions. <i>Journal of Hazardous Materials</i> , 2016, 312, 243-253.	12.4	17
40	Synthesis and characterization of calcium oxyborapatite with bimodal porosity. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 339-346.	2.4	7
41	Synthesis, physical properties and application of the zero-valent iron/titanium dioxide heterocomposite having high activity for the sustainable photocatalytic removal of hexavalent chromium in water. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10637-10646.	2.8	39
42	Mn-Schiff base modified MCM-41, SBA-15 and CMK-3 NMs as single-site heterogeneous catalysts: Alkene epoxidation with H <sub>2</sub> O <sub>2</sub> incorporation. <i>Journal of Molecular Catalysis A</i> , 2016, 413, 40-55.	4.8	51
43	Carbon Nanostructures Containing Polyhedral Oligomeric Silsesquioxanes (POSS). <i>Current Organic Chemistry</i> , 2016, 20, 662-673.	1.6	12
44	Synthesis and characterization of robust zero valent iron/mesoporous carbon composites and their applications in arsenic removal. <i>Carbon</i> , 2015, 93, 636-647.	10.3	89
45	Hybrid [polysulfoneâ€Zero Valent Iron] membranes: Synthesis, characterization and application for AsIII remediation. <i>Chemical Engineering Journal</i> , 2015, 281, 651-660.	12.7	24
46	Self-assembled plasmonic templates produced by microwave annealing: applications to surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2015, 26, 205603.	2.6	13
47	Carbon nanotubes/chitin nanowhiskers aerogel achieved by quaternizationâ€induced gelation. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
48	Green and simple route toward boron doped carbon dots with significantly enhanced non-linear optical properties. <i>Carbon</i> , 2015, 83, 173-179.	10.3	282
49	Intercalation Study of Lowâ€Molecularâ€Weight Hyperbranched Polyethyleneimine into Graphite Oxide. <i>Chemistry - A European Journal</i> , 2014, 20, 8129-8137.	3.3	29
50	Arsenite remediation by an amine-rich graphitic carbon nitride synthesized by a novel low-temperature method. <i>Chemical Engineering Journal</i> , 2014, 256, 347-355.	12.7	36
51	Tailor-made graphite oxideâ€DAB poly(propylene imine) dendrimer intercalated hybrids and their potential for efficient CO <sub>2</sub> adsorption. <i>Chemical Communications</i> , 2014, 50, 10967-10970.	4.1	37
52	A functionalized phosphonate-rich organosilica layered hybrid material (PSLM) fabricated through a mild process for heavy metal uptake. <i>Journal of Hazardous Materials</i> , 2014, 270, 118-126.	12.4	17
53	Nanoscale zero-valent iron supported on mesoporous silica: Characterization and reactivity for Cr(VI) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2013, 261, 295-306.	12.4	273
54	Novel Ordered Mesoporous Carbon with Innate Functionalities and Superior Heavy Metal Uptake. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16961-16971.	3.1	20

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55	Thiamine pyrophosphate intercalation in layered double hydroxides (LDHs): An active bio-hybrid catalyst for pyruvate decarboxylation. <i>Applied Clay Science</i> , 2013, 75-76, 126-133.	5.2	22
56	<i>In Situ</i> Deposition and Characterization of MoS <sub>2</sub> Nanolayers on Carbon Nanofibers and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10135-10142.	3.1	35
57	Synthesis, characterization and non-linear optical response of organophilic carbon dots. <i>Carbon</i> , 2013, 61, 640-643.	10.3	72
58	Surface decoration of carbon nanosheets with amino-functionalized organosilica nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 3703-3709.	6.1	22
59	Low-Temperature Synthesis and Characterization of Gallium Nitride Quantum Dots in Ordered Mesoporous Silica. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1185-1194.	3.1	21
60	Synthesis and Characterization of Î <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> /Carbon Hybrids and Their Application in Removal of Hexavalent Chromium Ions from Aqueous Solutions. <i>Langmuir</i> , 2012, 28, 3918-3930.	3.5	145
61	Effect of [Fe(CN) <sub>6</sub> ] <sup>4-</sup> Substitutions on the Spin-Flop Transition of a Layered Nickel Phyllosilicate. <i>Langmuir</i> , 2012, 28, 10289-10295.	3.5	7
62	Naphthalene-based periodic nanoporous organosilicas: II. Hydrogen and methane adsorption and physicochemical study. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 332-338.	4.4	12
63	Naphthalene-based periodic nanoporous organosilicas: I. Synthesis and structural characterization. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 324-331.	4.4	7
64	Magnetic/SiO <sub>2</sub> nanocomposite thin films prepared by sol-gel dip coating modified method. <i>Thin Solid Films</i> , 2011, 520, 159-165.	1.8	9
65	Pyrolytic formation of a carbonaceous solid for heavy metal adsorption. <i>Journal of Materials Science</i> , 2011, 46, 975-982.	3.7	12
66	Fabrication of fluorescent nanodiamond@C core-shell hybrids via mild carbonization of sodium cholate-nanodiamond complexes. <i>Journal of Materials Science</i> , 2011, 46, 7912-7916.	3.7	11
67	Synthesis, bioactivity and preliminary biocompatibility studies of glasses in the system CaO-MgO-SiO <sub>2</sub> -Na <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> -CaF <sub>2</sub> . <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 217-227.	3.6	44
68	Mechanism of heavy metal uptake by a hybrid MCM-41 material: Surface complexation and EPR spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 374-380.	9.4	29
69	A two-dimensional magnetic hybrid material based on intercalation of a cationic Prussian blue analog in montmorillonite nanoclay. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 393-401.	9.4	11
70	Synthesis and characterization of low dimensional ZnS- and PbS-semiconductor particles on a montmorillonite template. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14236.	2.8	18
71	Silver Nanoparticles and Graphitic Carbon Through Thermal Decomposition of a Silver/Acetylenedicarboxylic Salt. <i>Nanoscale Research Letters</i> , 2009, 4, 1358-64.	5.7	18
72	Synthesis and characterization of hybrid MCM-41 materials for heavy metal adsorption. <i>Microporous and Mesoporous Materials</i> , 2009, 126, 65-71.	4.4	59

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73	Bulk nucleated fine grained mono-mineral glass-ceramics from low-silica fly ash. <i>Ceramics International</i> , 2009, 35, 555-558.	4.8	22
74	Aqueous corrosion behaviour of Fe-Ni-B metal glasses. <i>Journal of Alloys and Compounds</i> , 2009, 483, 514-518.	5.5	21
75	Reaction of graphite fluoride with NaOH-KOH eutectic. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 720-724.	1.7	21
76	Synthesis and characterization of sol-gel derived bioactive Ca-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glasses containing magnetic nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 47, 95-101.	2.4	33
77	A neutron diffraction study of alkali cation migration in montmorillonites. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 49-58.	0.8	79
78	Surface Functionalized Carbogenic Quantum Dots. <i>Small</i> , 2008, 4, 455-458.	10.0	796
79	Functionalized SiO <sub>2</sub> with N-, S-containing ligands for Pb(II) and Cd(II) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 320, 25-35.	4.7	39
80	Raman structural study of ancient glass artefacts from the island of Rhodes. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 768-772.	3.1	13
81	Catalytic production of carbon nanotubes over Fe-Ni bimetallic catalysts supported on MgO. <i>Diamond and Related Materials</i> , 2007, 16, 155-160.	3.9	82
82	Synthesis, characterization and gas sorption properties of a molecularly-derived graphite oxide-like foam. <i>Carbon</i> , 2007, 45, 852-857.	10.3	60
83	Preparation of a water-dispersible carbon-silica composite derived from a silylated molecular precursor. <i>Carbon</i> , 2007, 45, 1108-1111.	10.3	2
84	Synthesis and Characterization of ZnS Nanosized Semiconductor Particles within Mesoporous Solids. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22339-22345.	2.6	44
85	Carbon Nanotubes Encapsulating Superconducting Single-Crystalline Tin Nanowires. <i>Nano Letters</i> , 2006, 6, 1131-1135.	9.1	86
86	Structural analysis and devitrification of glasses based on the Ca-MgO-SiO <sub>2</sub> system with B <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, CaF <sub>2</sub> and P <sub>2</sub> O <sub>5</sub> additives. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 322-328.	3.1	166
87	Bioactive glasses in the system Ca-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> : Preparation, structural study and in vitro evaluation. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 390-398.	3.1	184
88	Nanocomposites of polystyrene-b-polyisoprene copolymer with layered silicates and carbon nanotubes. <i>European Polymer Journal</i> , 2006, 42, 2098-2107.	5.4	35
89	Synthesis and characterization of carbon nanotube/metal nanoparticle composites well dispersed in organic media. <i>Carbon</i> , 2006, 44, 848-853.	10.3	85
90	A graphite oxide-like carbogenic material derived from a molecular precursor. <i>Carbon</i> , 2006, 44, 1906-1912.	10.3	21

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91	Formation of hydroxyapatite onto glasses of the CaO-MgO-SiO <sub>2</sub> system with B <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, CaF <sub>2</sub> and P <sub>2</sub> O <sub>5</sub> additives. <i>Biomaterials</i> , 2006, 27, 1832-1840.	11.4	155
92	Synthesis of glass-ceramics in the CaO-MgO-SiO <sub>2</sub> system with B <sub>2</sub> O <sub>3</sub> , P <sub>2</sub> O <sub>5</sub> , Na <sub>2</sub> O and CaF <sub>2</sub> additives. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1463-1471.	5.7	116
93	Catalytic production of carbon nanotubes over first row transition metal oxides supported on montmorillonite. <i>Journal of Physics: Conference Series</i> , 2005, 10, 178-181.	0.4	18
94	Incorporation of Fullerene Derivatives into Smectite Clays: A New Family of Organic-Inorganic Nanocomposites. <i>Journal of the American Chemical Society</i> , 2004, 126, 8561-8568.	13.7	47
95	Organic derivatization of single-walled carbon nanotubes by clays and intercalated derivatives. <i>Carbon</i> , 2004, 42, 865-870.	10.3	38
96	Preparation and structural study of binary phosphate glasses with high calcium and/or magnesium content. <i>Journal of Non-Crystalline Solids</i> , 2004, 347, 69-79.	3.1	206
97	Magnetic Fe <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> composites prepared by a modified wet impregnation method. <i>Journal of Materials Chemistry</i> , 2003, 13, 871-876.	6.7	36
98	Clays as a Host Matrix in the Synthesis of Organic Macrocycles. <i>Chemistry - A European Journal</i> , 2003, 9, 3904-3908.	3.3	21
99	A Novel Route towards Iron- and Chromium-containing MCM-41 Materials through Melt-exchange of the Template. <i>Chemistry Letters</i> , 2003, 32, 38-39.	1.3	3
100	Stability Study of Tyrosinate Radical in a Restricted Phyllosomorphous Medium. <i>Langmuir</i> , 2002, 18, 10024-10029.	3.5	12
101	Formation of hydroxyl radicals catalyzed by clay surfaces. <i>Physics and Chemistry of Minerals</i> , 2002, 29, 155-158.	0.8	51
102	Heterogeneous clay-manganese(II) oxidation catalyst. <i>Materials Science and Engineering C</i> , 2002, 22, 113-116.	7.3	26
103	Catalytic synthesis of carbon nanotubes on clay minerals. <i>Carbon</i> , 2002, 40, 2641-2646.	10.3	121
104	Synthesis and characterization of hollow clay microspheres through a resin template approach. <i>Chemical Communications</i> , 2001, , 1518-1519.	4.1	119
105	Ionizing radiation-induced defects in smectite clays. <i>Physics and Chemistry of Minerals</i> , 2001, 28, 285-290.	0.8	35
106	Effect of <sup>60</sup> Co-irradiation on clays and organoclays: a Mössbauer and XRD study. <i>Physics and Chemistry of Minerals</i> , 2000, 27, 514-521.	0.8	46
107	Mössbauer and Infrared Study of Heat-Treated Nontronite. <i>Clays and Clay Minerals</i> , 2000, 48, 68-74.	1.3	11
108	Synthesis and Characterization of Magnetically Modified Clay Composites. <i>Chemistry of Materials</i> , 2000, 12, 2640-2645.	6.7	53

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109	Synthesis and characterization of copper containing mesoporous silicas. Journal of Materials Chemistry, 2000, 10, 403-408.	6.7	44
110	Synthesis and Characterization of Iron-Containing MCM-41 Porous Silica by the Exchange Method of the Template. Journal of Physical Chemistry B, 2000, 104, 4375-4380.	2.6	70
111	An infrared reflectance study of Si-O vibrations in thermally treated alkali-saturated montmorillonites. Clay Minerals, 1999, 34, 429-438.	0.6	120
112	Location of Li(I), Cu(II) and Cd(II) in heated montmorillonite: evidence from specular reflectance infrared and electron spin resonance spectroscopies. Journal of Materials Chemistry, 1999, 9, 1553.	6.7	27
113	Magnetically Modified Al <sub>2</sub> O <sub>3</sub> Pillared Clays. Chemistry of Materials, 1999, 11, 2754-2759.	6.7	19
114	Clay~Polyvinylpyridine Nanocomposites. Chemistry of Materials, 1999, 11, 2372-2381.	6.7	60
115	The Synthesis of Mesoporous Copper Silicates Using Organofunctional Silicon Alkoxides. Advanced Materials, 1998, 10, 483-486.	21.0	21
116	The Chemistry of Organofunctionalized Silicon Cubanes in Swelling Smectites. Molecular Crystals and Liquid Crystals, 1998, 311, 345-350.	0.3	7
117	Clay~Aminopropylsiloxane Compositions. Chemistry of Materials, 1998, 10, 639-645.	6.7	48
118	Synthesis and characterization of divalent metal containing mesoporous silicas by an ionic templating route. , 1998, , .		0
119	Infrared Reflectance Study of Thermally Treated Li- and Cs-Montmorillonites. Clays and Clay Minerals, 1997, 45, 649-658.	1.3	29
120	Preparation and infrared study of magnesium borate gels with a wide composition range. Journal of Non-Crystalline Solids, 1996, 202, 198-202.	3.1	16
121	Heavy ion RBS characterization of multilayer coatings deposited through the sol-gel technique. Nuclear Instruments & Methods in Physics Research B, 1996, 118, 630-632.	1.4	11
122	Raman and Infrared Structural Investigation of xRb <sub>2</sub> O·(1-x)GeO <sub>2</sub> Glasses. The Journal of Physical Chemistry, 1996, 100, 11755-11765.	2.9	136
123	A structural assessment of glass formation in alkali borates: Melt quenching versus gel drying. Journal of Materials Science Letters, 1995, 14, 268-270.	0.5	7
124	Study of a multilayer wavelength-selective reflector prepared by the sol-gel process. Materials Letters, 1995, 25, 265-269.	2.6	16
125	An electron spin resonance study of the effect of thermal history on the structure of potassium silicate glasses. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1994, 26, 35-39.	3.5	5
126	Lithium conducting borate glasses: evidence for two broad distributions of cation-hosting environments. Journal of Non-Crystalline Solids, 1991, 131-133, 1092-1095.	3.1	25



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127	On the structure of alkali borate glasses approaching the orthoborate composition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1990, 7, 1-4.	3.5	29
128	New insights into the structure of alkali borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1990, 123, 283-285.	3.1	23
129	The devitrification of lithium metaborate: polymorphism and glass formation. <i>Journal of Non-Crystalline Solids</i> , 1990, 126, 42-51.	3.1	82
130	Infrared reflectance spectra of lithium borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1990, 126, 52-67.	3.1	630
131	Laser-induced crystallization of glassy caesium metaborate studied by Raman spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1990, 116, 115-122.	3.1	19
132	Spectroscopic study of carbonate retention in high-basicity borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1989, 111, 252-262.	3.1	40
133	Far-infrared spectra of binary alkali borate glasses. <i>Solid State Ionics</i> , 1988, 28-30, 687-692.	2.7	21
134	A spectroscopic study of fluoride containing sodium borate glasses. <i>Solid State Ionics</i> , 1988, 28-30, 783-787.	2.7	21
135	Cation-network interactions in binary alkali metal borate glasses. A far-infrared study. <i>The Journal of Physical Chemistry</i> , 1987, 91, 5807-5813.	2.9	87
136	Vibrational spectra of magnesium-sodium-borate glasses. 2. Raman and mid-infrared investigation of the network structure. <i>The Journal of Physical Chemistry</i> , 1987, 91, 1073-1079.	2.9	584
137	Vibrational spectra of magnesium-sodium-borate glasses. 1. Far-infrared investigation of the cation-site interactions. <i>The Journal of Physical Chemistry</i> , 1987, 91, 1067-1073.	2.9	73
138	Far-infrared spectra of magnesium-sodium-borate glasses. <i>Solid State Communications</i> , 1986, 60, 885-888.	1.9	5
139	A vibrational study of lithium sulfate based fast ionic conducting borate glasses. <i>The Journal of Physical Chemistry</i> , 1986, 90, 4528-4533.	2.9	81