Kazuki Nakanishi

List of Publications by Year
in descending order

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347 papers	21,679 citations	9234 74 h-index	11581 135 g-index
366 all docs	366 docs citations	366 times ranked	12345 citing authors

#	Article	IF	Citations
1	Solâ€“gel based structural designs of macropores and material shapes of metalâ€“organic framework gels. Materials Advances, 2021, 2, 4235-4239.	2.6	1
2	Tunable and Well-Defined Bimodal Porous Model Electrodes for Revealing Multiscale Structural Effects in the Nonaqueous Liâ€“O‹sub›2‹/sub› Electrode Process. Journal of Physical Chemistry C, 2021, 125, 1403-1413.	1.5	6
3	Highly porous melamine-formaldehyde monoliths with controlled hierarchical porosity toward application as a metal scavenger. Materials Advances, 2021, 2, 2604-2608.	2.6	2
4	Preparation of hierarchically porous spinel CoMn 2 O 4 monoliths via solâ€“gel process accompanied by phase separation. Journal of the American Ceramic Society, 2021, 104, 2449-2459.	1.9	5
5	Designing hierarchical porosity in tin oxide monoliths and their application as a solid acid catalyst. New Journal of Chemistry, 2021, 45, 17558-17565.	1.4	0
6	Synthesis of Hierarchically Porous Metal Oxide Monoliths via Solâ€“Gel Process Accompanied by Phase Separation From Divalent Metal Salts: A Short Review. Frontiers in Chemical Engineering, 2021, 3, .	1.3	1
7	Colorless Transparent Melamineâ€“Formaldehyde Aerogels for Thermal Insulation. ACS Applied Nano Materials, 2020, 3, 49-54.	2.4	26
8	On-site formation of small Ag nanoparticles on superhydrophobic mesoporous silica for antibacterial application. New Journal of Chemistry, 2020, 44, 13553-13556.	1.4	5
9	Hierarchically porous monoliths prepared via solâ€“gel process accompanied by spinodal decomposition. Journal of Sol-Gel Science and Technology, 2020, 95, 530-550.	1.1	40
10	Hierarchically porous monoliths based on low-valence transition metal (Cu, Co, Mn) oxides: gelation and phase separation. National Science Review, 2020, 7, 1656-1666.	4.6	11
11	Superhydrophobic highly flexible doubly cross-linked aerogel/carbon nanotube composites as strain/pressure sensors. Journal of Materials Chemistry B, 2020, 8, 4883-4889.	2.9	25
12	Variation of meso- and macroporous morphologies in resorcinolâ€“formaldehyde (RF) gels tailored via a solâ€“gel process combined with soft-templating and phase separation. Journal of Sol-Gel Science and Technology, 2020, 95, 801-812.	1.1	8
13	Superelastic Triple-Network Polyorganosiloxane-Based Aerogels as Transparent Thermal Superinsulators and Efficient Separators. Chemistry of Materials, 2020, 32, 1595-1604.	3.2	57
14	Synthesis of hierarchically porous MgO monoliths with continuous structure via solâ€“gel process accompanied by phase separation. Journal of Sol-Gel Science and Technology, 2019, 89, 29-36.	1.1	12
15	Resilient, fire-retardant and mechanically strong polyimide-polyvinylpolymethylsiloxane composite aerogel prepared via stepwise chemical liquid deposition. Materials and Design, 2019, 183, 108096.	3.3	38
16	Ambient-dried highly flexible copolymer aerogels and their nanocomposites with polypyrrole for thermal insulation, separation, and pressure sensing. Polymer Chemistry, 2019, 10, 4980-4990.	1.9	21
17	Superhydrophobic Ultraflexible Triple-Network Graphene/Polyorganosiloxane Aerogels for a High-Performance Multifunctional Temperature/Strain/Pressure Sensing Array. Chemistry of Materials, 2019, 31, 6276-6285.	3.2	82
18	Selfâ€Assembly of Metalâ€“Organic Frameworks into Monolithic Materials with Highly Controlled Trimodal Pore Structures. Angewandte Chemie, 2019, 131, 19223-19229.	1.6	11

#	Article	IF	Citations
19	Superelastic Multifunctional Aminosilane-Crosslinked Graphene Aerogels for High Thermal Insulation, Three-Component Separation, and Strain/Pressure-Sensing Arrays. ACS Applied Materials & Interfaces, 2019, 11, 43533-43542.	4.0	55
20	Selfâ€Assembly of Metalâ€“Organic Frameworks into Monolithic Materials with Highly Controlled Trimodal Pore Structures. Angewandte Chemie - International Edition, 2019, 58, 19047-19053.	7.2	37
21	Thermogravimetric Evolved Gas Analysis and Microscopic Elemental Mapping of the Solid Electrolyte Interphase on Silicon Incorporated in Free-Standing Porous Carbon Electrodes. Langmuir, 2019, 35, 12680-12688.	1.6	7
22	Preparation of surface-coated macroporous silica (core-shell silica monolith) for HPLC separations. Journal of Sol-Gel Science and Technology, 2019, 90, 105-112.	1.1	4
23	Preparation of zinc oxide with a three-dimensionally interconnected macroporous structure via a solâ€“gel method accompanied by phase separation. New Journal of Chemistry, 2019, 43, 11720-11726.	1.4	12
24	Macroporous Niobium Phosphate-Supported Magnesia Catalysts for Isomerization of Glucose-to-Fructose. ACS Sustainable Chemistry and Engineering, 2019, 7, 8512-8521.	3.2	33
25	Hybrid silicone aerogels toward unusual flexibility, functionality, and extended applications. Journal of Sol-Gel Science and Technology, 2019, 89, 166-175.	1.1	16
26	Comprehensive studies on phosphoric acid treatment of porous titania toward titanium phosphate and pyrophosphate monoliths with pore hierarchy and a nanostructured pore surface. Inorganic Chemistry Frontiers, 2018, 5, 1397-1404.	3.0	7
27	Iron(<scp>iii</scp>) oxyhydroxide and oxide monoliths with controlled multiscale porosity: synthesis and their adsorption performance. Journal of Materials Chemistry A, 2018, 6, 9041-9048.	5.2	16
28	Transparent, Superflexible Doubly Cross-Linked Polyvinylpolymethylsiloxane Aerogel Superinsulators via Ambient Pressure Drying. ACS Nano, 2018, 12, 521-532.	7.3	211
29	Versatile Double-Cross-Linking Approach to Transparent, Machinable, Supercompressible, Highly Bendable Aerogel Thermal Superinsulators. Chemistry of Materials, 2018, 30, 2759-2770.	3.2	130
30	On-line Redox Derivatization Liquid Chromatography Using a Carbon Monolithic Column. Bunseki Kagaku, 2018, 67, 469-478.	0.1	0
31	Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie, 2018, 130, 9870-9875.	1.6	16
32	Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie - International Edition, 2018, 57, 9722-9727.	7.2	108
33	Solâ€“gel preparation of hierarchically porous magnesium aluminate (MgAl2O4) spinel monoliths for dye adsorption. Journal of Sol-Gel Science and Technology, 2018, 88, 114-128.	1.1	12
34	Synthesis of a hierarchically porous niobium phosphate monolith by a solâ€“gel method for fructose dehydration to 5-hydroxymethylfurfural. Catalysis Science and Technology, 2018, 8, 3675-3685.	2.1	28
35	Macroporous Morphology Control by Phase Separation. , 2018, , 835-866.		1
36	Monolithic Porous Silica for Highâ€Speed HPLC. , 2018, , 1939-1948.		0

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37	Porosity Measurement. , 2018, , 1399-1409.		1
38	Low-density, transparent aerogels and xerogels based on hexylene-bridged polysilsesquioxane with bendability. Journal of Sol-Gel Science and Technology, 2017, 81, 42-51.	1.1	32
39	Siliconeâ€Based Organicâ€“Inorganic Hybrid Aerogels and Xerogels. Chemistry - A European Journal, 2017, 23, 5176-5187.	1.7	91
40	Highly Flexible Hybrid Polymer Aerogels and Xerogels Based on Resorcinol-Formaldehyde with Enhanced Elastic Stiffness and Recoverability: Insights into the Origin of Their Mechanical Properties. Chemistry of Materials, 2017, 29, 2122-2134.	3.2	76
41	Functionalization of hierarchically porous silica monoliths with polyethyleneimine (PEI) for CO 2 adsorption. Microporous and Mesoporous Materials, 2017, 245, 51-57.	2.2	78
42	Effects of nanostructured biosilica on rice plant mechanics. RSC Advances, 2017, 7, 13065-13071.	1.7	20
43	Transparent polyvinylsilsesquioxane aerogels: investigations on synthetic parameters and surface modification. Journal of Sol-Gel Science and Technology, 2017, 82, 2-14.	1.1	8
44	Frontispiece: Siliconeâ€Based Organicâ€“Inorganic Hybrid Aerogels and Xerogels. Chemistry - A European Journal, 2017, 23, .	1.7	2
45	Transparent Ethenylene-Bridged Polymethylsiloxane Aerogels: Mechanical Flexibility and Strength and Availability for Addition Reaction. Langmuir, 2017, 33, 4543-4550.	1.6	43
46	Fabrication of hydrophobic polymethylsilsesquioxane aerogels by a surfactant-free method using alkoxysilane with ionic group. Journal of Asian Ceramic Societies, 2017, 5, 104-108.	1.0	10
47	Amine/Hydrido Bifunctional Nanoporous Silica with Small Metal Nanoparticles Made Onsite: Efficient Dehydrogenation Catalyst. ACS Applied Materials & Interfaces, 2017, 9, 36-41.	4.0	13
48	Grafted Polymethylhydrosiloxane on Hierarchically Porous Silica Monoliths: A New Path to Monolith-Supported Palladium Nanoparticles for Continuous Flow Catalysis Applications. ACS Applied Materials & Interfaces, 2017, 9, 406-412.	4.0	46
49	Aerogels from Chloromethyltrimethoxysilane and Their Functionalizations. Langmuir, 2017, 33, 13841-13848.	1.6	4
50	Polymer-assisted shapeable synthesis of porous frameworks consisting of silica nanoparticles with mechanical property tuning. Polymer Journal, 2017, 49, 825-830.	1.3	6
51	Synthesis and characterization of monolithic ZnAl2O4 spinel with well-defined hierarchical pore structures via a sol-gel route. Journal of Alloys and Compounds, 2017, 727, 763-770.	2.8	15
52	Nanostructured titanium phosphates prepared via hydrothermal reaction and their electrochemical Li- and Na-ion intercalation properties. CrystEngComm, 2017, 19, 4551-4560.	1.3	13
53	Synthesis, Reduction, and Electrical Properties of Macroporous Monolithic Mayenite Electrides with High Porosity. ACS Omega, 2017, 2, 8148-8155.	1.6	7
54	Highly Efficient Encapsulation of Ingredients in Poly(methyl methacrylate) Capsules Using a Superoleophobic Material. Polymers and Polymer Composites, 2017, 25, 129-134.	1.0	6

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55	Monolithic Porous Silica for High Speed HPLC. , 2017, , 1-10.		0
56	Studies on electrochemical sodium storage into hard carbons with binder-free monolithic electrodes. Journal of Power Sources, 2016, 318, 41-48.	4.0	67
57	Boehmite Nanofiberâ€“Polymethylsilsesquioxane Coreâ€“Shell Porous Monoliths for a Thermal Insulator under Low Vacuum Conditions. Chemistry of Materials, 2016, 28, 3237-3240.	3.2	25
58	Hierarchically Porous Carbon Monoliths Comprising Ordered Mesoporous Nanorod Assemblies for High-Voltage Aqueous Supercapacitors. Chemistry of Materials, 2016, 28, 3944-3950.	3.2	203
59	The XVIII International Solâ€“Gel Conference: Solâ€“Gel 2015 was held in Kyoto, Japan, September 6â€“11, 2015. Journal of Sol-Gel Science and Technology, 2016, 79, 241-241.	1.1	0
60	Transparent, Highly Insulating Polyethyl- and Polyvinylsilsesquioxane Aerogels: Mechanical Improvements by Vulcanization for Ambient Pressure Drying. Chemistry of Materials, 2016, 28, 6860-6868.	3.2	96
61	Transparent Ethylene-Bridged Polymethylsiloxane Aerogels and Xerogels with Improved Bending Flexibility. Langmuir, 2016, 32, 13427-13434.	1.6	49
62	Monolithic acidic catalysts for the dehydration of xylose into furfural. Catalysis Communications, 2016, 87, 112-115.	1.6	27
63	Metal zirconium phosphate macroporous monoliths: Versatile synthesis, thermal expansion and mechanical properties. Microporous and Mesoporous Materials, 2016, 225, 122-127.	2.2	13
64	Dynamic spring-back behavior in evaporative drying of polymethylsilsesquioxane monolithic gels for low-density transparent thermal superinsulators. Journal of Non-Crystalline Solids, 2016, 434, 115-119.	1.5	41
65	The chromatographic performance of flow-through particles: A computational fluid dynamics study. Journal of Chromatography A, 2016, 1429, 166-174.	1.8	4
66	Hierarchically porous titanium phosphate monoliths and their crystallization behavior in ethylene glycol. New Journal of Chemistry, 2016, 40, 4153-4159.	1.4	11
67	Facile preparation of well-defined macroporous yttria-stabilized zirconia monoliths via solâ€“gel process accompanied by phase separation. Journal of Porous Materials, 2016, 23, 867-875.	1.3	9
68	Encapsulation of hydrophobic ingredients in hard resin capsules with ultrahigh efficiency using a superoleophobic material. Polymer Bulletin, 2016, 73, 409-417.	1.7	6
69	Macroporous Morphology Control by Phase Separation. , 2016, , 1-32.		3
70	Porosity Measurement. , 2016, , 1-11.		2
71	Synthesis of hierarchically porous polymethylsilsesquioxane monoliths with controlled mesopores for HPLC separation. Journal of the Ceramic Society of Japan, 2015, 123, 770-778.	0.5	13
72	Novel soft touch silicone beads from methyltrimethoxysilane and dimethyldimethoxysilane using easy aqueous solution reaction. Journal of the Ceramic Society of Japan, 2015, 123, 714-718.	0.5	5

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73	High-performance liquid chromatography separation of unsaturated organic compounds by a monolithic silica column embedded with silver nanoparticles. Journal of Separation Science, 2015, 38, 2841-2847.	1.3	12
74	Hard Carbon Anodes for Naâ€ion Batteries: Toward a Practical Use. ChemElectroChem, 2015, 2, 1917-1920.	1.7	112
75	Direct preparation and conversion of copper hydroxide-based monolithic xerogels with hierarchical pores. New Journal of Chemistry, 2015, 39, 6771-6777.	1.4	23
76	Effect of Calcination Conditions on Porous Reduced Titanium Oxides and Oxynitrides via a Preceramic Polymer Route. Inorganic Chemistry, 2015, 54, 2802-2808.	1.9	14
77	Efficiency of short, small-diameter columns for reversed-phase liquid chromatography under practical operating conditions. Journal of Chromatography A, 2015, 1383, 47-57.	1.8	30
78	Synthesis of robust hierarchically porous zirconium phosphate monolith for efficient ion adsorption. New Journal of Chemistry, 2015, 39, 2444-2450.	1.4	48
79	Mechanically stable, hierarchically porous Cu₃(btc)₂ (HKUST-1) monoliths via direct conversion of copper(<scp>ii</scp>) hydroxide-based monoliths. Chemical Communications, 2015, 51, 3511-3514.	2.2	67
80	Solâ€“gel synthesis of nanocrystal-constructed hierarchically porous TiO₂ based composites for lithium ion batteries. RSC Advances, 2015, 5, 24803-24813.	1.7	22
81	Mesoscopic superstructures of flexible porous coordination polymers synthesized via coordination replication. Chemical Science, 2015, 6, 5938-5946.	3.7	39
82	Titania. , 2015, , 2525-2528.		0
83	High-Level Doping of Nitrogen, Phosphorus, and Sulfur into Activated Carbon Monoliths and Their Electrochemical Capacitances. Chemistry of Materials, 2015, 27, 4703-4712.	3.2	237
84	Preparation of silver nanoparticles embedded hierarchically porous AlPO₄ monoliths. New Journal of Chemistry, 2015, 39, 6238-6243.	1.4	6
85	Spontaneous preparation of hierarchically porous silica monoliths with uniform spherical mesopores confined in a well-defined macroporous framework. Dalton Transactions, 2015, 44, 13592-13601.	1.6	28
86	Fabrication of hierarchically porous monolithic layered double hydroxide composites with tunable microcages for effective oxyanion adsorption. RSC Advances, 2015, 5, 57187-57192.	1.7	30
87	Preparation of macroporous zirconia monoliths from ionic precursors via an epoxide-mediated sol-gel process accompanied by phase separation. Science and Technology of Advanced Materials, 2015, 16, 025003.	2.8	17
88	Ultralow-Density, Transparent, Superamphiphobic Boehmite Nanofiber Aerogels and Their Alumina Derivatives. Chemistry of Materials, 2015, 27, 3-5.	3.2	67
89	Impact of Electrolyte on Pseudocapacitance and Stability of Porous Titanium Nitride (TiN) Monolithic Electrode. Journal of the Electrochemical Society, 2015, 162, A77-A85.	1.3	55
90	Hierarchically Porous Li₄Ti₅O₁₂ Anode Materials for Liâ€•and Naâ€ion Batteries: Effects of Nanoarchitectural Design and Temperature Dependence of the Rate Capability. Advanced Energy Materials, 2015, 5, 1400730.	10.2	124

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91	Preparation and characterization of macroporous TiO2â€“SrTiO3 heterostructured monolithic photocatalyst. Materials Letters, 2014, 116, 353-355.	1.3	15
92	Facile preparation of silver nanoparticles homogeneously immobilized in hierarchically monolithic silica using ethylene glycol as reductant. Dalton Transactions, 2014, 43, 12648.	1.6	34
93	Reduction on reactive pore surfaces as a versatile approach to synthesize monolith-supported metal alloy nanoparticles and their catalytic applications. Journal of Materials Chemistry A, 2014, 2, 12535.	5.2	30
94	Porous chromium-based ceramic monoliths: oxides (Cr₂O₃), nitrides (CrN), and carbides (Cr₃C₂). Journal of Materials Chemistry A, 2014, 2, 745-752.	5.2	32
95	The thermal conductivity of polymethylsilsesquioxane aerogels and xerogels with varied pore sizes for practical application as thermal superinsulators. Journal of Materials Chemistry A, 2014, 2, 6525-6531.	5.2	176
96	A new hierarchically porous Pd@HSQ monolithic catalyst for Mizorokiâ€“Heck cross-coupling reactions. New Journal of Chemistry, 2014, 38, 1144-1149.	1.4	19
97	Synthesis and electrochemical performance of hierarchically porous N-doped TiO2 for Li-ion batteries. New Journal of Chemistry, 2014, 38, 1380.	1.4	28
98	Surface Functionalization of Silica by Siâ€“H Activation of Hydrosilanes. Journal of the American Chemical Society, 2014, 136, 11570-11573.	6.6	68
99	Facile synthesis of monolithic mayenite with well-defined macropores via an epoxide-mediated solâ€“gel process accompanied by phase separation. New Journal of Chemistry, 2014, 38, 5832-5839.	1.4	21
100	Layered double hydroxide composite monoliths with three-dimensional hierarchical channels: structural control and adsorption behavior. RSC Advances, 2014, 4, 16075-16080.	1.7	19
101	Experimental and numerical validation of the effective medium theory for the B-term band broadening in 1st and 2nd generation monolithic silica columns. Journal of Chromatography A, 2014, 1351, 46-55.	1.8	11
102	Detailed characterization of the kinetic performance of first and second generation silica monolithic columns for reversed-phase chromatography separations. Journal of Chromatography A, 2014, 1325, 72-82.	1.8	37
103	Preparation of macroporous cordierite monoliths via the solâ€“gel process accompanied by phase separation. Journal of the European Ceramic Society, 2014, 34, 817-823.	2.8	46
104	Polymethylsilsesquioxaneâ€“Cellulose Nanofiber Biocomposite Aerogels with High Thermal Insulation, Bendability, and Superhydrophobicity. ACS Applied Materials & Interfaces, 2014, 6, 9466-9471.	4.0	164
105	Fabrication of nitrogen-doped TiO2 monolith with well-defined macroporous and bicrystalline framework and its photocatalytic performance under visible light. Journal of the European Ceramic Society, 2014, 34, 809-816.	2.8	35
106	Pore structure control of macroporous methylsilsesquioxane monoliths prepared by in situ two-step processing. Journal of Porous Materials, 2013, 20, 1477-1483.	1.3	13
107	Gelation behavior and phase separation of macroporous methylsilsesquioxane monoliths prepared by in situ two-step processing. Journal of Sol-Gel Science and Technology, 2013, 67, 406-413.	1.1	11
108	2011 Donald R. Ulrich Awards. Journal of Sol-Gel Science and Technology, 2013, 65, 2-3.	1.1	0

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109	Solâ€“gel synthesis of macroporous TiO2 from ionic precursors via phase separation route. Journal of Sol-Gel Science and Technology, 2013, 67, 639-645.	1.1	17
110	Synthesis of Concentrated Polymer Brushes via Surface-Initiated Organotellurium-Mediated Living Radical Polymerization. Macromolecules, 2013, 46, 6777-6785.	2.2	27
111	Hierarchically Porous Monoliths Based on N-Doped Reduced Titanium Oxides and Their Electric and Electrochemical Properties. Chemistry of Materials, 2013, 25, 3504-3512.	3.2	52
112	Preparation of a hierarchically porous AlPO₄monolith via an epoxide-mediated solâ€“gel process accompanied by phase separation. Science and Technology of Advanced Materials, 2013, 14, 045007.	2.8	18
113	A Superamphiphobic Macroporous Silicone Monolith with Marshmallowâ€like Flexibility. Angewandte Chemie - International Edition, 2013, 52, 10788-10791.	7.2	122
114	Synthesis of Silver Nanoparticles Confined in Hierarchically Porous Monolithic Silica: A New Function in Aromatic Hydrocarbon Separations. ACS Applied Materials & Interfaces, 2013, 5, 2118-2125.	4.0	41
115	New Li2FeSiO4â€“carbon monoliths with controlled macropores: effects of pore properties on electrode performance. Physical Chemistry Chemical Physics, 2013, 15, 8736.	1.3	17
116	Solâ€“gel synthesis of zinc ferrite-based xerogel monoliths with well-defined macropores. RSC Advances, 2013, 3, 3661.	1.7	18
117	Facile Synthesis of Marshmallowâ€like Macroporous Gels Usable under Harsh Conditions for the Separation of Oil and Water. Angewandte Chemie - International Edition, 2013, 52, 1986-1989.	7.2	408
118	Hierarchically porous nickel/carbon composite monoliths prepared by solâ€“gel method from an ionic precursor. Microporous and Mesoporous Materials, 2013, 176, 64-70.	2.2	32
119	Preparation of mullite monoliths with well-defined macropores and mesostructured skeletons via the solâ€“gel process accompanied by phase separation. Journal of the European Ceramic Society, 2013, 33, 1967-1974.	2.8	52
120	Hierarchically porous monoliths of oxygen-deficient anatase TiO2â^'x with electronic conductivity. RSC Advances, 2013, 3, 7205.	1.7	15
121	Fabrication of largeâ€sized silica monolith exceeding 1000 mL with high structural homogeneity. Journal of Separation Science, 2013, 36, 1890-1896.	1.3	23
122	Layered double hydroxide (LDH)-based monolith with interconnected hierarchical channels: enhanced sorption affinity for anionic species. Journal of Materials Chemistry A, 2013, 1, 7702.	5.2	58
123	Recyclable Functionalization of Silica with Alcohols via Dehydrogenative Addition on Hydrogen Silsesquioxane. Langmuir, 2013, 29, 12243-12253.	1.6	10
124	Synthesis of Hierarchically Porous Hydrogen Silsesquioxane Monoliths and Embedding of Metal Nanoparticles by Onâ€Site Reduction. Advanced Functional Materials, 2013, 23, 2714-2722.	7.8	47
125	Macroporous SiO₂ Monoliths Prepared via Sol-Gel Process Accompanied by Phase Separation. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 646-652.	2.2	8
126	New Insights into the Relationship between Micropore Properties, Ionic Sizes, and Electric Double-Layer Capacitance in Monolithic Carbon Electrodes. Journal of Physical Chemistry C, 2012, 116, 26197-26203.	1.5	45

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127	New Monolithic Capillary Columns with Well-Defined Macropores Based on Poly(styrene-co-divinylbenzene). ACS Applied Materials & Interfaces, 2012, 4, 2343-2347.	4.0	38
128	Role of block copolymer surfactant on the pore formation in methylsilsesquioxane aerogel systems. RSC Advances, 2012, 2, 7166.	1.7	43
129	Synthesis of Monolithic Hierarchically Porous Iron-Based Xerogels from Iron(III) Salts via an Epoxide-Mediated Solâ€“Gel Process. Chemistry of Materials, 2012, 24, 2071-2077.	3.2	78
130	Selective Preparation of Macroporous Monoliths of Conductive Titanium Oxides Ti_nO_{2nâ€“1} (n = 2, 3, 4, 6). Journal of the American Chemical Society, 2012, 134, 10894-10898.	6.6	106
131	Evolution of Mesopores in Monolithic Macroporous Ethylene-Bridged Polysilsesquioxane Gels Incorporated with Nonionic Surfactant. International Journal of Polymer Science, 2012, 2012, 1-6.	1.2	7
132	Flower-like surface modification of titania materials by lithium hydroxide solution. Journal of Colloid and Interface Science, 2012, 374, 291-296.	5.0	12
133	Facile preparation of macroporous graphitized carbon monoliths from iron-containing resorcinolâ€“formaldehyde gels. Materials Letters, 2012, 76, 1-4.	1.3	33
134	Pore properties of hierarchically porous carbon monoliths with high surface area obtained from bridged polysilsesquioxanes. Microporous and Mesoporous Materials, 2012, 155, 265-273.	2.2	19
135	Structure and properties of polymethylsilsesquioxane aerogels synthesized with surfactant n-hexadecyltrimethylammonium chloride. Microporous and Mesoporous Materials, 2012, 158, 247-252.	2.2	53
136	Monolithic electrode for electric double-layer capacitors based on macro/meso/microporous S-Containing activated carbon with high surface area. Journal of Materials Chemistry, 2011, 21, 2060.	6.7	151
137	Hierarchically Porous Carbon Monoliths with High Surface Area from Bridged Poly(silsesquioxane) without Thermal Activation Process. IOP Conference Series: Materials Science and Engineering, 2011, 18, 032005.	0.3	0
138	Facile Preparation of Monolithic LiFePO₄/Carbon Composites with Well-Defined Macropores for a Lithium-Ion Battery. Chemistry of Materials, 2011, 23, 5208-5216.	3.2	82
139	New flexible aerogels and xerogels derived from methyltrimethoxysilane/dimethyldimethoxysilane co-precursors. Journal of Materials Chemistry, 2011, 21, 17077.	6.7	122
140	(3-Mercaptopropyl)trimethoxysilane-derived Porous Gel Monolith via Thioacetal Reaction-Assisted Sol-Gel Route. IOP Conference Series: Materials Science and Engineering, 2011, 18, 032003.	0.3	2
141	Synthesis of New Flexible Aerogels from Di- and Trifunctional Organosilanes. Materials Research Society Symposia Proceedings, 2011, 1306, 1.	0.1	4
142	Facile preparation of monolithic magnesium titanates with hierarchical porosity. Journal of the Ceramic Society of Japan, 2011, 119, 440-444.	0.5	8
143	Pore Structure and Mechanical Properties of Poly(methylsilsesquioxane) Aerogels. IOP Conference Series: Materials Science and Engineering, 2011, 18, 032001.	0.3	4
144	Preparation of Hierarchically Porous Nanocrystalline <scp>CaTiO₃</scp>, <scp>SrTiO₃</scp> and <scp>BaTiO₃</scp> Perovskite Monoliths. Journal of the American Ceramic Society, 2011, 94, 3335-3339.	1.9	40

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145	Fabrication of highly crosslinked methacrylate-based polymer monoliths with well-defined macropores via living radical polymerization. Polymer, 2011, 52, 4644-4647.	1.8	40
146	Controlled pore formation in organotrialkoxysilane-derived hybrids: from aerogels to hierarchically porous monoliths. Chemical Society Reviews, 2011, 40, 754-770.	18.7	204
147	Synthesis of hierarchical macro/mesoporous dicalcium phosphate monolith via epoxide-mediated solâ€“gel reaction from ionic precursors. Journal of Sol-Gel Science and Technology, 2011, 57, 269-278.	1.1	48
148	Performance evaluation of long monolithic silica capillary columns in gradient liquid chromatography using peptide mixtures. Journal of Chromatography A, 2011, 1218, 3360-3366.	1.8	30
149	Monolithic silica rod columns for high-efficiency reversed-phase liquid chromatography. Journal of Chromatography A, 2011, 1218, 1988-1994.	1.8	32
150	New hierarchically porous titania monoliths for chromatographic separation media. Journal of Separation Science, 2011, 34, 3004-3010.	1.3	31
151	Transition from transparent aerogels to hierarchically porous monoliths in polymethylsilsesquioxane solâ€“gel system. Journal of Colloid and Interface Science, 2011, 357, 336-344.	5.0	64
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