Kazuki Nakanishi

List of Publications by Year in Descending Order

353 papers	18,898 citations	70 h-index	126 g-index
366 ext. papers	20,012 ext. citations	5.4 avg, IF	6.75 L-index

#	Paper	IF	Citations
353	Sol–gel based structural designs of macropores and material shapes of metal–organic framework gels. *Materials Advances*, **2021**, 2, 4235-4239	3.3	
352	Tunable and Well-Defined Bimodal Porous Model Electrodes for Revealing Multiscale Structural Effects in the Nonaqueous Li–O2 Electrode Process. *Journal of Physical Chemistry C*, **2021**, 125, 1403-1413	3.8	3
351	Highly porous melamine-formaldehyde monoliths with controlled hierarchical porosity toward application as a metal scavenger. *Materials Advances*, **2021**, 2, 2604-2608	3.3	0
350	Preparation of hierarchically porous spinel CoMn2O4 monoliths via sol–gel process accompanied by phase separation. *Journal of the American Ceramic Society*, **2021**, 104, 2449-2459	3.8	1
349	Designing hierarchical porosity in tin oxide monoliths and their application as a solid acid catalyst. *New Journal of Chemistry*, **2021**, 45, 17558-17565	3.6	
348	Hierarchically porous monoliths based on low-valence transition metal (Cu, Co, Mn) oxides: gelation and phase separation. *National Science Review*, **2020**, 7, 1656-1666	10.8	6
347	Superhydrophobic highly flexible doubly cross-linked aerogel/carbon nanotube composites as strain/pressure sensors. *Journal of Materials Chemistry B*, **2020**, 8, 4883-4889	7.3	13
346	Variation of meso- and macroporous morphologies in resorcinol–formaldehyde (RF) gels tailored via a sol–gel process combined with soft-templating and phase separation. *Journal of Sol-Gel Science and Technology*, **2020**, 95, 801-812	2.3	3
345	Superelastic Triple-Network Polyorganosiloxane-Based Aerogels as Transparent Thermal Superinsulators and Efficient Separators. *Chemistry of Materials*, **2020**, 32, 1595-1604	9.6	26
344	Colorless Transparent Melamine–Formaldehyde Aerogels for Thermal Insulation. *ACS Applied Nano Materials*, **2020**, 3, 49-54	5.6	13
343	On-site formation of small Ag nanoparticles on superhydrophobic mesoporous silica for antibacterial application. *New Journal of Chemistry*, **2020**, 44, 13553-13556	3.6	4
342	Hierarchically porous monoliths prepared via sol–gel process accompanied by spinodal decomposition. *Journal of Sol-Gel Science and Technology*, **2020**, 95, 530-550	2.3	17
341	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	4	4
340	Preparation of surface-coated macroporous silica (core-shell silica monolith) for HPLC separations. *Journal of Sol-Gel Science and Technology*, **2019**, 90, 105-112	2.3	2
339	Preparation of zinc oxide with a three-dimensionally interconnected macroporous structure via a sol–gel method accompanied by phase separation. *New Journal of Chemistry*, **2019**, 43, 11720-11726	3.6	8
338	Macroporous Niobium Phosphate-Supported Magnesia Catalysts for Isomerization of Glucose-to-Fructose. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8512-8521	8.3	19
337	Synthesis of hierarchically porous MgO monoliths with continuous structure via sol–gel process accompanied by phase separation. *Journal of Sol-Gel Science and Technology*, **2019**, 89, 29-36	2.3	9

336	Resilient, fire-retardant and mechanically strong polyimide-polyvinylpolymethylsiloxane composite aerogel prepared via stepwise chemical liquid deposition. *Materials and Design*, **2019**, 183, 108096	8.1	20
335	Ambient-dried highly flexible copolymer aerogels and their nanocomposites with polypyrrole for thermal insulation, separation, and pressure sensing. *Polymer Chemistry*, **2019**, 10, 4980-4990	4.9	10
334	Superhydrophobic Ultraflexible Triple-Network Graphene/Polyorganosiloxane Aerogels for a High-Performance Multifunctional Temperature/Strain/Pressure Sensing Array. *Chemistry of Materials*, **2019**, 31, 6276-6285	9.6	52
333	Self-Assembly of Metal□Organic Frameworks into Monolithic Materials with Highly Controlled Trimodal Pore Structures. *Angewandte Chemie*, **2019**, 131, 19223-19229	3.6	5
332	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	9.5	33
331	Self-Assembly of Metal-Organic Frameworks into Monolithic Materials with Highly Controlled Trimodal Pore Structures. *Angewandte Chemie - International Edition*, **2019**, 58, 19047-19053	16.4	23
330	Hybrid silicone aerogels toward unusual flexibility, functionality, and extended applications. *Journal of Sol-Gel Science and Technology*, **2019**, 89, 166-175	2.3	8
329	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	6.8	5
328	Iron(III) oxyhydroxide and oxide monoliths with controlled multiscale porosity: synthesis and their adsorption performance. *Journal of Materials Chemistry A*, **2018**, 6, 9041-9048	13	15
327	Transparent, Superflexible Doubly Cross-Linked Polyvinylpolymethylsiloxane Aerogel Superinsulators via Ambient Pressure Drying. *ACS Nano*, **2018**, 12, 521-532	16.7	134
326	Versatile Double-Cross-Linking Approach to Transparent, Machinable, Supercompressible, Highly Bendable Aerogel Thermal Superinsulators. *Chemistry of Materials*, **2018**, 30, 2759-2770	9.6	86
325	Superflexible Multifunctional Polyvinylpolydimethylsiloxane-Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. *Angewandte Chemie*, **2018**, 130, 9870-9875	3.6	8
324	Superflexible Multifunctional Polyvinylpolydimethylsiloxane-Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. *Angewandte Chemie - International Edition*, **2018**, 57, 9722-9727	16.4	70
323	Sol□gel preparation of hierarchically porous magnesium aluminate (MgAl2O4) spinel monoliths for dye adsorption. *Journal of Sol-Gel Science and Technology*, **2018**, 88, 114-128	2.3	8
322	Synthesis of a hierarchically porous niobium phosphate monolith by a sol□gel method for fructose dehydration to 5-hydroxymethylfurfural. *Catalysis Science and Technology*, **2018**, 8, 3675-3685	5.5	16
321	Monolithic Porous Silica for High-Speed HPLC **2018**, 1939-1948		
320	Porosity Measurement **2018**, 1399-1409		
319	Macroporous Morphology Control by Phase Separation **2018**, 835-866		1

318	On-line Redox Derivatization Liquid Chromatography Using a Carbon Monolithic Column. *Bunseki Kagaku*, **2018**, 67, 469-478	0.2	
317	Low-density, transparent aerogels and xerogels based on hexylene-bridged polysilsesquioxane with bendability. *Journal of Sol-Gel Science and Technology*, **2017**, 81, 42-51	2.3	18
316	Silicone-Based Organic-Inorganic Hybrid Aerogels and Xerogels. *Chemistry - A European Journal*, **2017**, 23, 5176-5187	4.8	58
315	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	9.6	53
314	Functionalization of hierarchically porous silica monoliths with polyethyleneimine (PEI) for CO2 adsorption. *Microporous and Mesoporous Materials*, **2017**, 245, 51-57	5.3	55
313	Effects of nanostructured biosilica on rice plant mechanics. *RSC Advances*, **2017**, 7, 13065-13071	3.7	18
312	Transparent polyvinylsilsesquioxane aerogels: investigations on synthetic parameters and surface modification. *Journal of Sol-Gel Science and Technology*, **2017**, 82, 2-14	2.3	7
311	Frontispiece: Silicone-Based Organic□norganic Hybrid Aerogels and Xerogels. *Chemistry - A European Journal*, **2017**, 23,	4.8	1
310	Transparent Ethenylene-Bridged Polymethylsiloxane Aerogels: Mechanical Flexibility and Strength and Availability for Addition Reaction. *Langmuir*, **2017**, 33, 4543-4550	4	32
309	Fabrication of hydrophobic polymethylsilsesquioxane aerogels by a surfactant-free method using alkoxysilane with ionic group. *Journal of Asian Ceramic Societies*, **2017**, 5, 104-108	2.4	6
308	Amine/Hydrido Bifunctional Nanoporous Silica with Small Metal Nanoparticles Made Onsite: Efficient Dehydrogenation Catalyst. *ACS Applied Materials & Interfaces*, **2017**, 9, 36-41	9.5	11
307	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	9.5	41
306	Aerogels from Chloromethyltrimethoxysilane and Their Functionalizations. *Langmuir*, **2017**, 33, 13841-13848	4	2
305	Polymer-assisted shapeable synthesis of porous frameworks consisting of silica nanoparticles with mechanical property tuning. *Polymer Journal*, **2017**, 49, 825-830	2.7	5
304	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	5.7	12
303	Nanostructured titanium phosphates prepared via hydrothermal reaction and their electrochemical Li- and Na-ion intercalation properties. *CrystEngComm*, **2017**, 19, 4551-4560	3.3	11
302	Synthesis, Reduction, and Electrical Properties of Macroporous Monolithic Mayenite Electrides with High Porosity. *ACS Omega*, **2017**, 2, 8148-8155	3.9	5
301	Sol□el Processing of Porous Materials **2017**, 195-241		2

300	Highly Efficient Encapsulation of Ingredients in Poly(methyl methacrylate) Capsules Using a Superoleophobic Material. *Polymers and Polymer Composites*, **2017**, 25, 129-134	0.8	3
299	Monolithic Porous Silica for High Speed HPLC **2017**, 1-10		
298	Encapsulation of hydrophobic ingredients in hard resin capsules with ultrahigh efficiency using a superoleophobic material. *Polymer Bulletin*, **2016**, 73, 409-417	2.4	4
297	Transparent Ethylene-Bridged Polymethylsiloxane Aerogels and Xerogels with Improved Bending Flexibility. *Langmuir*, **2016**, 32, 13427-13434	4	37
296	Monolithic acidic catalysts for the dehydration of xylose into furfural. *Catalysis Communications*, **2016**, 87, 112-115	3.2	22
295	Metal zirconium phosphate macroporous monoliths: Versatile synthesis, thermal expansion and mechanical properties. *Microporous and Mesoporous Materials*, **2016**, 225, 122-127	5.3	9
294	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	3.9	32
293	The chromatographic performance of flow-through particles: A computational fluid dynamics study. *Journal of Chromatography A*, **2016**, 1429, 166-74	4.5	4
292	Hierarchically porous titanium phosphate monoliths and their crystallization behavior in ethylene glycol. *New Journal of Chemistry*, **2016**, 40, 4153-4159	3.6	10
291	Facile preparation of well-defined macroporous yttria-stabilized zirconia monoliths via sol–gel process accompanied by phase separation. *Journal of Porous Materials*, **2016**, 23, 867-875	2.4	8
290	Macroporous Morphology Control by Phase Separation **2016**, 1-32		1
289	Porosity Measurement **2016**, 1-11		1
288	Studies on electrochemical sodium storage into hard carbons with binder-free monolithic electrodes. *Journal of Power Sources*, **2016**, 318, 41-48	8.9	47
287	Boehmite Nanofiber–Polymethylsilsesquioxane Core–Shell Porous Monoliths for a Thermal Insulator under Low Vacuum Conditions. *Chemistry of Materials*, **2016**, 28, 3237-3240	9.6	17
286	Hierarchically Porous Carbon Monoliths Comprising Ordered Mesoporous Nanorod Assemblies for High-Voltage Aqueous Supercapacitors. *Chemistry of Materials*, **2016**, 28, 3944-3950	9.6	160
285	Transparent, Highly Insulating Polyethyl- and Polyvinylsilsesquioxane Aerogels: Mechanical Improvements by Vulcanization for Ambient Pressure Drying. *Chemistry of Materials*, **2016**, 28, 6860-6868	9.6	66
284	Synthesis of robust hierarchically porous zirconium phosphate monolith for efficient ion adsorption. *New Journal of Chemistry*, **2015**, 39, 2444-2450	3.6	42
283	Mechanically stable, hierarchically porous Cu3(btc)2 (HKUST-1) monoliths via direct conversion of copper(II) hydroxide-based monoliths. *Chemical Communications*, **2015**, 51, 3511-4	5.8	56

282	Sol–gel synthesis of nanocrystal-constructed hierarchically porous TiO2 based composites for lithium ion batteries. *RSC Advances*, **2015**, 5, 24803-24813	3.7	20
281	Mesoscopic superstructures of flexible porous coordination polymers synthesized coordination replication. *Chemical Science*, **2015**, 6, 5938-5946	9.4	38
280	High-Level Doping of Nitrogen, Phosphorus, and Sulfur into Activated Carbon Monoliths and Their Electrochemical Capacitances. *Chemistry of Materials*, **2015**, 27, 4703-4712	9.6	174
279	Preparation of silver nanoparticles embedded hierarchically porous AlPO4 monoliths. *New Journal of Chemistry*, **2015**, 39, 6238-6243	3.6	6
278	Spontaneous preparation of hierarchically porous silica monoliths with uniform spherical mesopores confined in a well-defined macroporous framework. *Dalton Transactions*, **2015**, 44, 13592-601	4.3	28
277	Fabrication of hierarchically porous monolithic layered double hydroxide composites with tunable microcages for effective oxyanion adsorption. *RSC Advances*, **2015**, 5, 57187-57192	3.7	26
276	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	7.1	14
275	Ultralow-Density, Transparent, Superamphiphobic Boehmite Nanofiber Aerogels and Their Alumina Derivatives. *Chemistry of Materials*, **2015**, 27, 3-5	9.6	51
274	Impact of Electrolyte on Pseudocapacitance and Stability of Porous Titanium Nitride (TiN) Monolithic Electrode. *Journal of the Electrochemical Society*, **2015**, 162, A77-A85	3.9	42
273	Hierarchically Porous Li4Ti5O12 Anode Materials for Li- and Na-Ion Batteries: Effects of Nanoarchitectural Design and Temperature Dependence of the Rate Capability. *Advanced Energy Materials*, **2015**, 5, 1400730	21.8	111
272	Synthesis of hierarchically porous polymethylsilsesquioxane monoliths with controlled mesopores for HPLC separation. *Journal of the Ceramic Society of Japan*, **2015**, 123, 770-778	1	13
271	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	1	4
270	Properties and Applications of Sol–Gel Materials: Functionalized Porous Amorphous Solids (Monoliths) **2015**, 745-766		1
269	High-performance liquid chromatography separation of unsaturated organic compounds by a monolithic silica column embedded with silver nanoparticles. *Journal of Separation Science*, **2015**, 38, 2841-7	3.4	10
268	Hard Carbon Anodes for Na-Ion Batteries: Toward a Practical Use. *ChemElectroChem*, **2015**, 2, 1917-1920	4.3	83
267	Direct preparation and conversion of copper hydroxide-based monolithic xerogels with hierarchical pores. *New Journal of Chemistry*, **2015**, 39, 6771-6777	3.6	21
266	Effect of calcination conditions on porous reduced titanium oxides and oxynitrides via a preceramic polymer route. *Inorganic Chemistry*, **2015**, 54, 2802-8	5.1	10
265	Efficiency of short, small-diameter columns for reversed-phase liquid chromatography under practical operating conditions. *Journal of Chromatography A*, **2015**, 1383, 47-57	4.5	28

264	Preparation and characterization of macroporous TiO2–SrTiO3 heterostructured monolithic photocatalyst. *Materials Letters*, **2014**, 116, 353-355	3.3	14
263	Facile preparation of silver nanoparticles homogeneously immobilized in hierarchically monolithic silica using ethylene glycol as reductant. *Dalton Transactions*, **2014**, 43, 12648-56	4.3	33
262	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	13	29
261	Porous chromium-based ceramic monoliths: oxides (Cr2O3), nitrides (CrN), and carbides (Cr3C2). *Journal of Materials Chemistry A*, **2014**, 2, 745-752	13	26
260	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	13	134
259	A new hierarchically porous Pd@HSQ monolithic catalyst for Mizoroki–Heck cross-coupling reactions. *New Journal of Chemistry*, **2014**, 38, 1144-1149	3.6	17
258	Synthesis and electrochemical performance of hierarchically porous N-doped TiO2 for Li-ion batteries. *New Journal of Chemistry*, **2014**, 38, 1380	3.6	25
257	Surface functionalization of silica by Si-H activation of hydrosilanes. *Journal of the American Chemical Society*, **2014**, 136, 11570-3	16.4	57
256	Facile synthesis of monolithic mayenite with well-defined macropores via an epoxide-mediated sol–gel process accompanied by phase separation. *New Journal of Chemistry*, **2014**, 38, 5832-5839	3.6	20
255	Layered double hydroxide composite monoliths with three-dimensional hierarchical channels: structural control and adsorption behavior. *RSC Advances*, **2014**, 4, 16075-16080	3.7	14
254	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	4.5	9
253	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	4.5	34
252	Preparation of macroporous cordierite monoliths via the sol–gel process accompanied by phase separation. *Journal of the European Ceramic Society*, **2014**, 34, 817-823	6	40
251	Polymethylsilsesquioxane-cellulose nanofiber biocomposite aerogels with high thermal insulation, bendability, and superhydrophobicity. *ACS Applied Materials & Interfaces*, **2014**, 6, 9466-71	9.5	140
250	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	6	29
249	Pore structure control of macroporous methylsilsesquioxane monoliths prepared by in situ two-step processing. *Journal of Porous Materials*, **2013**, 20, 1477-1483	2.4	11
248	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	2.3	11
247	2011 Donald R. Ulrich Awards. *Journal of Sol-Gel Science and Technology*, **2013**, 65, 2-3	2.3	

246	Sol–gel synthesis of macroporous TiO2 from ionic precursors via phase separation route. *Journal of Sol-Gel Science and Technology*, **2013**, 67, 639-645	2.3	15
245	Synthesis of Concentrated Polymer Brushes via Surface-Initiated Organotellurium-Mediated Living Radical Polymerization. *Macromolecules*, **2013**, 46, 6777-6785	5.5	21
244	Hierarchically Porous Monoliths Based on N-Doped Reduced Titanium Oxides and Their Electric and Electrochemical Properties. *Chemistry of Materials*, **2013**, 25, 3504-3512	9.6	45
243	Preparation of a hierarchically porous AlPO monolith via an epoxide-mediated sol-gel process accompanied by phase separation. *Science and Technology of Advanced Materials*, **2013**, 14, 045007	7.1	16
242	A superamphiphobic macroporous silicone monolith with marshmallow-like flexibility. *Angewandte Chemie - International Edition*, **2013**, 52, 10788-91	16.4	101
241	Synthesis of silver nanoparticles confined in hierarchically porous monolithic silica: a new function in aromatic hydrocarbon separations. *ACS Applied Materials & Interfaces*, **2013**, 5, 2118-25	9.5	40
240	New Li2FeSiO4-carbon monoliths with controlled macropores: effects of pore properties on electrode performance. *Physical Chemistry Chemical Physics*, **2013**, 15, 8736-43	3.6	16
239	Sol–gel synthesis of zinc ferrite-based xerogel monoliths with well-defined macropores. *RSC Advances*, **2013**, 3, 3661	3.7	13
238	Facile synthesis of marshmallow-like macroporous gels usable under harsh conditions for the separation of oil and water. *Angewandte Chemie - International Edition*, **2013**, 52, 1986-9	16.4	360
237	Hierarchically porous nickel/carbon composite monoliths prepared by sol–gel method from an ionic precursor. *Microporous and Mesoporous Materials*, **2013**, 176, 64-70	5.3	30
236	Preparation of mullite monoliths with well-defined macropores and mesostructured skeletons via the sol–gel process accompanied by phase separation. *Journal of the European Ceramic Society*, **2013**, 33, 1967-1974	6	43
235	Hierarchically porous monoliths of oxygen-deficient anatase TiO2− with electronic conductivity. *RSC Advances*, **2013**, 3, 7205	3.7	9
234	Fabrication of large-sized silica monolith exceeding 1000 mL with high structural homogeneity. *Journal of Separation Science*, **2013**, 36, 1890-6	3.4	21
233	Layered double hydroxide (LDH)-based monolith with interconnected hierarchical channels: enhanced sorption affinity for anionic species. *Journal of Materials Chemistry A*, **2013**, 1, 7702	13	48
232	Recyclable functionalization of silica with alcohols via dehydrogenative addition on hydrogen silsesquioxane. *Langmuir*, **2013**, 29, 12243-53	4	10
231	A Superamphiphobic Macroporous Silicone Monolith with Marshmallow-like Flexibility. *Angewandte Chemie*, **2013**, 125, 10988-10991	3.6	16
230	Synthesis of Hierarchically Porous Hydrogen Silsesquioxane Monoliths and Embedding of Metal Nanoparticles by On-Site Reduction. *Advanced Functional Materials*, **2013**, 23, 2714-2722	15.6	42
229	Facile Synthesis of Marshmallow-like Macroporous Gels Usable under Harsh Conditions for the Separation of Oil and Water. *Angewandte Chemie*, **2013**, 125, 2040-2043	3.6	60

228	Macroporous SiO2 Monoliths Prepared via Sol-Gel Process Accompanied by Phase Separation. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2013**, 29, 646-652	3.8	7
227	Flower-like surface modification of titania materials by lithium hydroxide solution. *Journal of Colloid and Interface Science*, **2012**, 374, 291-6	9.3	10
226	Facile preparation of macroporous graphitized carbon monoliths from iron-containing resorcinol formaldehyde gels. *Materials Letters*, **2012**, 76, 1-4	3.3	30
225	Pore properties of hierarchically porous carbon monoliths with high surface area obtained from bridged polysilsesquioxanes. *Microporous and Mesoporous Materials*, **2012**, 155, 265-273	5.3	18
224	Structure and properties of polymethylsilsesquioxane aerogels synthesized with surfactant n-hexadecyltrimethylammonium chloride. *Microporous and Mesoporous Materials*, **2012**, 158, 247-252	5.3	43
223	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	3.8	35
222	New monolithic capillary columns with well-defined macropores based on poly(styrene-co-divinylbenzene). *ACS Applied Materials & Interfaces*, **2012**, 4, 2343-7	9.5	33
221	Role of block copolymer surfactant on the pore formation in methylsilsesquioxane aerogel systems. *RSC Advances*, **2012**, 2, 7166	3.7	29
220	Synthesis of Monolithic Hierarchically Porous Iron-Based Xerogels from Iron(III) Salts via an Epoxide-Mediated Sol Gel Process. *Chemistry of Materials*, **2012**, 24, 2071-2077	9.6	68
219	Selective preparation of macroporous monoliths of conductive titanium oxides Ti(n)O(2n-1) (n = 2, 3, 4, 6). *Journal of the American Chemical Society*, **2012**, 134, 10894-8	16.4	88
218	Evolution of Mesopores in Monolithic Macroporous Ethylene-Bridged Polysilsesquioxane Gels Incorporated with Nonionic Surfactant. *International Journal of Polymer Science*, **2012**, 2012, 1-6	2.4	7
217	Facile Preparation of Monolithic LiFePO4/Carbon Composites with Well-Defined Macropores for a Lithium-Ion Battery. *Chemistry of Materials*, **2011**, 23, 5208-5216	9.6	77
216	Hierarchically Structured Porous Materials: Application to Separation Sciences **2011**, 517-529		2
215	New flexible aerogels and xerogels derived from methyltrimethoxysilane/dimethyldimethoxysilane co-precursors. *Journal of Materials Chemistry*, **2011**, 21, 17077		88
214	Hierarchically Porous Materials by Phase Separation: Monoliths **2011**, 241-267		4
213	(3-Mercaptopropyl)trimethoxysilane-derived Porous Gel Monolith via Thioacetal Reaction-Assisted Sol-Gel Route. *IOP Conference Series: Materials Science and Engineering*, **2011**, 18, 032003	0.4	1
212	Synthesis of New Flexible Aerogels from Di- and Trifunctional Organosilanes. *Materials Research Society Symposia Proceedings*, **2011**, 1306, 1		1
211	Facile preparation of monolithic magnesium titanates with hierarchical porosity. *Journal of the Ceramic Society of Japan*, **2011**, 119, 440-444	1	6

210	Pore Structure and Mechanical Properties of Poly(methylsilsesquioxane) Aerogels. *IOP Conference Series: Materials Science and Engineering*, **2011**, 18, 032001	0.4	3
209	Preparation of Hierarchically Porous Nanocrystalline CaTiO3, SrTiO3 and BaTiO3 Perovskite Monoliths. *Journal of the American Ceramic Society*, **2011**, 94, 3335-3339	3.8	34
208	Fabrication of highly crosslinked methacrylate-based polymer monoliths with well-defined macropores via living radical polymerization. *Polymer*, **2011**, 52, 4644-4647	3.9	35
207	Controlled pore formation in organotrialkoxysilane-derived hybrids: from aerogels to hierarchically porous monoliths. *Chemical Society Reviews*, **2011**, 40, 754-70	58.5	176
206	Synthesis of hierarchical macro/mesoporous dicalcium phosphate monolith via epoxide-mediated sol□gel reaction from ionic precursors. *Journal of Sol-Gel Science and Technology*, **2011**, 57, 269-278	2.3	45
205	Performance evaluation of long monolithic silica capillary columns in gradient liquid chromatography using peptide mixtures. *Journal of Chromatography A*, **2011**, 1218, 3360-6	4.5	29
204	Monolithic silica rod columns for high-efficiency reversed-phase liquid chromatography. *Journal of Chromatography A*, **2011**, 1218, 1988-94	4.5	32
203	New hierarchically porous titania monoliths for chromatographic separation media. *Journal of Separation Science*, **2011**, 34, 3004-10	3.4	25
202	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		141
201	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	0.4	
200	Synthesis Concepts and Preparation of Silica Monoliths **2011**, 9-33		2
199	Transition from transparent aerogels to hierarchically porous monoliths in polymethylsilsesquioxane sol-gel system. *Journal of Colloid and Interface Science*, **2011**, 357, 336-44	9.3	55
198	Macroporous Carbon Monoliths with Large Surface Area for Electric Double-Layer Capacitor. *Materials Research Society Symposia Proceedings*, **2011**, 1304, 1		
197	Organosiloxane Transparent Aerogels and Hierarchically Porous Monoliths. *Materials Research Society Symposia Proceedings*, **2011**, 1306, 1		
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