# Kazuyoshi Kanamori

List of Publications by Year
in descending order



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|---|---|---|---|
| 183 papers | 8,021 citations | 50566 48 h-index | 68831 81 g-index |
| 199 all docs | 199 docs citations | 199 times ranked | 8453 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | U(rano)topia: spectral skies and rainbow holograms for silica aerogel artworks. Journal of Sol-Gel Science and Technology, 2023, 106, 319-330. | 1.1 | 4 |
| 2 | Silicious trichomes as a trait that may slow down leaf decomposition by soil meso- and macrofauna. Plant and Soil, 2022, 471, 289-299. | 1.8 | 8 |
| 3 | Highly Dispersed Pt Clusters on F-Doped Tin(IV) Oxide Aerogel Matrix: An Ultra-Robust Hybrid Catalyst for Enhanced Hydrogen Evolution. ACS Nano, 2022, 16, 1625-1638. | 7.3 | 48 |
| 4 | Solâ€“gel based structural designs of macropores and material shapes of metalâ€“organic framework gels. Materials Advances, 2021, 2, 4235-4239. | 2.6 | 1 |
| 5 | 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 |
| 6 | Mechanically Strong, Scalable, Mesoporous Xerogels of Nanocellulose Featuring Light Permeability, Thermal Insulation, and Flame Self-Extinction. ACS Nano, 2021, 15, 1436-1444. | 7.3 | 59 |
| 7 | Highly porous melamine-formaldehyde monoliths with controlled hierarchical porosity toward application as a metal scavenger. Materials Advances, 2021, 2, 2604-2608. | 2.6 | 2 |
| 8 | 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 |
| 9 | Multiscale structural control of linked metalâ€“organic polyhedra gel by aging-induced linkage-reorganization. Chemical Science, 2021, 12, 12556-12563. | 3.7 | 24 |
| 10 | 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 |
| 11 | Colorless Transparent Melamineâ€“Formaldehyde Aerogels for Thermal Insulation. ACS Applied Nano Materials, 2020, 3, 49-54. | 2.4 | 26 |
| 12 | Synthesis of a Crystalline and Transparent Aerogel Composed of Niâ€“Al Layered Double Hydroxide Nanoparticles through Crystallization from Amorphous Hydrogel. Langmuir, 2020, 36, 9436-9442. | 1.6 | 7 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Formulation of Metalâ€“Organic Framework Inks for the 3D Printing of Robust Microporous Solids toward High-Pressure Gas Storage and Separation. ACS Applied Materials & Interfaces, 2020, 12, 10983-10992. | 4.0 | 95 |
| 18 | Superelastic Triple-Network Polyorganosiloxane-Based Aerogels as Transparent Thermal Superinsulators and Efficient Separators. Chemistry of Materials, 2020, 32, 1595-1604. | 3.2 | 57 |

| # | Article | IF | Citations |
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| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Selfâ€Assembly of Metalâ€“Organic Frameworks into Monolithic Materials with Highly Controlled Trimodal Pore Structures. Angewandte Chemie, 2019, 131, 19223-19229. | 1.6 | 11 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Nanocellulose Xerogels With High Porosities and Large Specific Surface Areas. Frontiers in Chemistry, 2019, 7, 316. | 1.8 | 45 |
| 29 | 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 |
| 30 | Macroporous Niobium Phosphate-Supported Magnesia Catalysts for Isomerization of Glucose-to-Fructose. ACS Sustainable Chemistry and Engineering, 2019, 7, 8512-8521. | 3.2 | 33 |
| 31 | Hybrid silicone aerogels toward unusual flexibility, functionality, and extended applications. Journal of Sol-Gel Science and Technology, 2019, 89, 166-175. | 1.1 | 16 |
| 32 | 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 |
| 33 | 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 |
| 34 | Transparent, Superflexible Doubly Cross-Linked Polyvinylpolymethylsiloxane Aerogel Superinsulators via Ambient Pressure Drying. ACS Nano, 2018, 12, 521-532. | 7.3 | 211 |
| 35 | Versatile Double-Cross-Linking Approach to Transparent, Machinable, Supercompressible, Highly Bendable Aerogel Thermal Superinsulators. Chemistry of Materials, 2018, 30, 2759-2770. | 3.2 | 130 |
| 36 | Aerogel Photocatalyst Composed of Transparent Mesoporous Polymethylsilsesquioxane Softly Postâ€Modified with a Visibleâ€Lightâ€Absorbing Metal Complex. ChemNanoMat, 2018, 4, 52-55. | 1.5 | 6 |

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| 37 | Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie, 2018, 130, 9870-9875. | 1.6 | 16 |
| 38 | Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie - International Edition, 2018, 57, 9722-9727. | 7.2 | 108 |
| 39 | Hybrid Aerogels. , 2018, , 3317-3338. | | 1 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Siliconeâ€Based Organicâ€“Inorganic Hybrid Aerogels and Xerogels. Chemistry - A European Journal, 2017, 23, 5176-5187. | 1.7 | 91 |
| 44 | 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 |
| 45 | Functionalization of hierarchically porous silica monoliths with polyethyleneimine (PEI) for CO 2 adsorption. Microporous and Mesoporous Materials, 2017, 245, 51-57. | 2.2 | 78 |
| 46 | Transparent polyvinylsilsesquioxane aerogels: investigations on synthetic parameters and surface modification. Journal of Sol-Gel Science and Technology, 2017, 82, 2-14. | 1.1 | 8 |
| 47 | Frontispiece: Siliconeâ€Based Organicâ€“Inorganic Hybrid Aerogels and Xerogels. Chemistry - A European Journal, 2017, 23, . | 1.7 | 2 |
| 48 | Transparent Ethenylene-Bridged Polymethylsiloxane Aerogels: Mechanical Flexibility and Strength and Availability for Addition Reaction. Langmuir, 2017, 33, 4543-4550. | 1.6 | 43 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | Aerogels from Chloromethyltrimethoxysilane and Their Functionalizations. Langmuir, 2017, 33, 13841-13848. | 1.6 | 4 |
| 53 | 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 |
| 54 | Nanostructured titanium phosphates prepared via hydrothermal reaction and their electrochemical Li- and Na-ion intercalation properties. CrystEngComm, 2017, 19, 4551-4560. | 1.3 | 13 |

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| 55 | Synthesis, Reduction, and Electrical Properties of Macroporous Monolithic Mayenite Electrides with High Porosity. ACS Omega, 2017, 2, 8148-8155. | 1.6 | 7 |
| 56 | 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 |
| 57 | Studies on electrochemical sodium storage into hard carbons with binder-free monolithic electrodes. Journal of Power Sources, 2016, 318, 41-48. | 4.0 | 67 |
| 58 | 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 |
| 59 | Hierarchically Porous Carbon Monoliths Comprising Ordered Mesoporous Nanorod Assemblies for High-Voltage Aqueous Supercapacitors. Chemistry of Materials, 2016, 28, 3944-3950. | 3.2 | 203 |
| 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 | Hierarchically porous titanium phosphate monoliths and their crystallization behavior in ethylene glycol. New Journal of Chemistry, 2016, 40, 4153-4159. | 1.4 | 11 |
| 66 | 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 |
| 67 | Encapsulation of hydrophobic ingredients in hard resin capsules with ultrahigh efficiency using a superoleophobic material. Polymer Bulletin, 2016, 73, 409-417. | 1.7 | 6 |
| 68 | Hybrid Aerogels. , 2016, , 1-22. | | 2 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | Hard Carbon Anodes for Naâ€Ion Batteries: Toward a Practical Use. ChemElectroChem, 2015, 2, 1917-1920. | 1.7 | 112 |

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| 73 | Direct preparation and conversion of copper hydroxide-based monolithic xerogels with hierarchical pores. New Journal of Chemistry, 2015, 39, 6771-6777. | 1.4 | 23 |
| 74 | 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 |
| 75 | Synthesis of robust hierarchically porous zirconium phosphate monolith for efficient ion adsorption. New Journal of Chemistry, 2015, 39, 2444-2450. | 1.4 | 48 |
| 76 | Mechanically stable, hierarchically porous Cu<sub>3</sub>(btc)<sub>2</sub> (HKUST-1) monoliths via direct conversion of copper(<scp>ii</scp>) hydroxide-based monoliths. Chemical Communications, 2015, 51, 3511-3514. | 2.2 | 67 |
| 77 | Solâ€“gel synthesis of nanocrystal-constructed hierarchically porous TiO<sub>2</sub> based composites for lithium ion batteries. RSC Advances, 2015, 5, 24803-24813. | 1.7 | 22 |
| 78 | Mesoscopic superstructures of flexible porous coordination polymers synthesized <i>via</i> coordination replication. Chemical Science, 2015, 6, 5938-5946. | 3.7 | 39 |
| 79 | 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 |
| 80 | Preparation of silver nanoparticles embedded hierarchically porous AlPO<sub>4</sub> monoliths. New Journal of Chemistry, 2015, 39, 6238-6243. | 1.4 | 6 |
| 81 | 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 |
| 82 | 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 |
| 83 | Ultralow-Density, Transparent, Superamphiphobic Boehmite Nanofiber Aerogels and Their Alumina Derivatives. Chemistry of Materials, 2015, 27, 3-5. | 3.2 | 67 |
| 84 | 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 |
| 85 | Hierarchically Porous Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> 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 |
| 86 | Monolithic silsesquioxane materials with well-defined pore structure. Journal of Materials Research, 2014, 29, 2773-2786. | 1.2 | 27 |
| 87 | Facile preparation of silver nanoparticles homogeneously immobilized in hierarchically monolithic silica using ethylene glycol as reductant. Dalton Transactions, 2014, 43, 12648. | 1.6 | 34 |
| 88 | 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 |
| 89 | Porous chromium-based ceramic monoliths: oxides (Cr<sub>2</sub>O<sub>3</sub>), nitrides (CrN), and carbides (Cr<sub>3</sub>C<sub>2</sub>). Journal of Materials Chemistry A, 2014, 2, 745-752. | 5.2 | 32 |
| 90 | 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 |

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| 91 | 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 |
| 92 | Synthesis and electrochemical performance of hierarchically porous N-doped TiO2 for Li-ion batteries. New Journal of Chemistry, 2014, 38, 1380. | 1.4 | 28 |
| 93 | Surface Functionalization of Silica by Siâ€“H Activation of Hydrosilanes. Journal of the American Chemical Society, 2014, 136, 11570-11573. | 6.6 | 68 |
| 94 | 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 |
| 95 | 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 |
| 96 | Polymethylsilsesquioxaneâ€“Cellulose Nanofiber Biocomposite Aerogels with High Thermal Insulation, Bendability, and Superhydrophobicity. ACS Applied Materials & Interfaces, 2014, 6, 9466-9471. | 4.0 | 164 |
| 97 | Liquid-phase synthesis and application of monolithic porous materials based on organicâ€“inorganic hybrid methylsiloxanes, crosslinked polymers and carbons. Journal of Sol-Gel Science and Technology, 2013, 65, 12-22. | 1.1 | 11 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | Preparation of a hierarchically porous AlPO<sub>4</sub>monolith via an epoxide-mediated solâ€“gel process accompanied by phase separation. Science and Technology of Advanced Materials, 2013, 14, 045007. | 2.8 | 18 |
| 103 | A Superamphiphobic Macroporous Silicone Monolith with Marshmallowâ€like Flexibility. Angewandte Chemie - International Edition, 2013, 52, 10788-10791. | 7.2 | 122 |
| 104 | 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 |
| 105 | New Li2FeSiO4â€“carbon monoliths with controlled macropores: effects of pore properties on electrode performance. Physical Chemistry Chemical Physics, 2013, 15, 8736. | 1.3 | 17 |
| 106 | Solâ€“gel synthesis of zinc ferrite-based xerogel monoliths with well-defined macropores. RSC Advances, 2013, 3, 3661. | 1.7 | 18 |
| 107 | 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 |
| 108 | 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 |

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| 109 | 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 |
| 110 | Hierarchically porous monoliths of oxygen-deficient anatase TiO2âˆ’x with electronic conductivity. RSC Advances, 2013, 3, 7205. | 1.7 | 15 |
| 111 | Recyclable Functionalization of Silica with Alcohols via Dehydrogenative Addition on Hydrogen Silsesquioxane. Langmuir, 2013, 29, 12243-12253. | 1.6 | 10 |
| 112 | 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 |
| 113 | Macroporous SiO<sub>2</sub> Monoliths Prepared <em>via</em> Sol-Gel Process Accompanied by Phase Separation. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 646-652. | 2.2 | 8 |
| 114 | Recent Progress in Aerogel Science and Technology. Advanced Porous Materials, 2013, 1, 147-163. | 0.3 | 8 |
| 115 | Ultrasound propagation in dense aerogels filled with liquid<sup>4</sup>He. Journal of Physics: Conference Series, 2012, 400, 012045. | 0.3 | 0 |
| 116 | Advances in monolithic porous materials tailored in liquid media: around inorganic oxides and organic polymers. Journal of the Ceramic Society of Japan, 2012, 120, 1-10. | 0.5 | 6 |
| 117 | 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 |
| 118 | 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 |
| 119 | Role of block copolymer surfactant on the pore formation in methylsilsesquioxane aerogel systems. RSC Advances, 2012, 2, 7166. | 1.7 | 43 |
| 120 | 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 |
| 121 | Selective Preparation of Macroporous Monoliths of Conductive Titanium Oxides Ti<sub><i>n</i></sub>O<sub>2<i>n</i>â€“1</sub> (<i>n</i> = 2, 3, 4, 6). Journal of the American Chemical Society, 2012, 134, 10894-10898. | 6.6 | 106 |
| 122 | Development of Flexible Porous Materials from Organotrialkoxysilanes. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 320-325. | 0.1 | 0 |
| 123 | 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 |
| 124 | Flower-like surface modification of titania materials by lithium hydroxide solution. Journal of Colloid and Interface Science, 2012, 374, 291-296. | 5.0 | 12 |
| 125 | Facile preparation of macroporous graphitized carbon monoliths from iron-containing resorcinolâ€“formaldehyde gels. Materials Letters, 2012, 76, 1-4. | 1.3 | 33 |
| 126 | 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 |

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| 127 | Structure and properties of polymethylsilsesquioxane aerogels synthesized with surfactant n-hexadecyltrimethylammonium chloride. Microporous and Mesoporous Materials, 2012, 158, 247-252. | 2.2 | 53 |
| 128 | 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 |
| 129 | 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 |
| 130 | Facile Preparation of Monolithic LiFePO<sub>4</sub>/Carbon Composites with Well-Defined Macropores for a Lithium-Ion Battery. Chemistry of Materials, 2011, 23, 5208-5216. | 3.2 | 82 |
| 131 | Synthesis of New Flexible Aerogels from MTMS/DMDMS via Ambient Pressure Drying. IOP Conference Series: Materials Science and Engineering, 2011, 18, 032013. | 0.3 | 11 |
| 132 | New flexible aerogels and xerogels derived from methyltrimethoxysilane/dimethyldimethoxysilane co-precursors. Journal of Materials Chemistry, 2011, 21, 17077. | 6.7 | 122 |
| 133 | (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 |
| 134 | Synthesis of New Flexible Aerogels from Di- and Trifunctional Organosilanes. Materials Research Society Symposia Proceedings, 2011, 1306, 1. | 0.1 | 4 |
| 135 | Organic-inorganic hybrid aerogels with high mechanical properties via organotrialkoxysilane-derived sol-gel process. Journal of the Ceramic Society of Japan, 2011, 119, 16-22. | 0.5 | 49 |
| 136 | Facile preparation of monolithic magnesium titanates with hierarchical porosity. Journal of the Ceramic Society of Japan, 2011, 119, 440-444. | 0.5 | 8 |
| 137 | Pore Structure and Mechanical Properties of Poly(methylsilsesquioxane) Aerogels. IOP Conference Series: Materials Science and Engineering, 2011, 18, 032001. | 0.3 | 4 |
| 138 | Preparation of Hierarchically Porous Nanocrystalline <scp>CaTiO<sub>3</sub></scp>, <scp>SrTiO<sub>3</sub></scp> and <scp>BaTiO<sub>3</sub></scp> Perovskite Monoliths. Journal of the American Ceramic Society, 2011, 94, 3335-3339. | 1.9 | 40 |
| 139 | Fabrication of highly crosslinked methacrylate-based polymer monoliths with well-defined macropores via living radical polymerization. Polymer, 2011, 52, 4644-4647. | 1.8 | 40 |
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