

# Xiao-dong Shen

## List of Publications by Year in descending order

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210  
papers

6,670  
citations

53794

45  
h-index

102487

66  
g-index

210  
all docs

210  
docs citations

210  
times ranked

6001  
citing authors

#	ARTICLE	IF	CITATIONS
1	High mass loading Ni <sub>4</sub> Co <sub>1</sub> -OH@CuO core-shell nanowire arrays obtained by electrochemical reconstruction for alkaline energy storage. Nano Research, 2022, 15, 685-693.	10.4	15
2	Effect of coral powder and ground-granulated blast-furnace slag on the hydration behavior of cement paste. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6643-6654.	3.6	11
3	Effects of Nano-CSH on the hydration process and mechanical property of cementitious materials. Journal of Sustainable Cement-Based Materials, 2022, 11, 378-388.	3.1	6
4	Synthesis of Fe-doped NiO nanosheets on carbon cloth for improved catalytic performance in Li <sup>+</sup> O <sub>2</sub> batteries. New Journal of Chemistry, 2022, 46, 1601-1607.	2.8	7
5	Synthesis and characterization of amino-grafted attapulgite/graphene oxide nanocomposites and their adsorption for Pb(II) removal. Journal of Nanoparticle Research, 2022, 24, 1.	1.9	6
6	Strengthening Effect of Short Carbon Fiber Content and Length on Mechanical Properties of Extrusion-Based Printed Alumina Ceramics. Materials, 2022, 15, 3080.	2.9	2
7	Partially Reduced TiO <sub>2</sub> Aerogel as a Catalyst of Oxygen Reduction Reaction in Alkaline Solution. Chemistry Letters, 2022, 51, 862-866.	1.3	1
8	Long-term hydration behavior and pore structure development of cement-limestone binary system. Journal of Thermal Analysis and Calorimetry, 2021, 143, 843-852.	3.6	8
9	Alite- <sup>™</sup> elimate clinker: Hydration kinetics, products and microstructure. Construction and Building Materials, 2021, 266, 121062.	7.2	10
10	Three-dimensional self-supported CuCo <sub>2</sub> O <sub>4</sub> nanowires@NiO nanosheets core/shell arrays as an oxygen electrode catalyst for Li <sup>+</sup> O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2021, 9, 3007-3017.	10.3	33
11	Amine grafted cellulose aerogel for CO <sub>2</sub> capture. Journal of Porous Materials, 2021, 28, 93-97.	2.6	21
12	Thermal and Mechanical Performances of the Superflexible, Hydrophobic, Silica-Based Aerogel for Thermal Insulation at Ultralow Temperature. ACS Applied Materials & Interfaces, 2021, 13, 21286-21298.	8.0	46
13	Enhancing Ferromagnetism and Tuning Electronic Properties of CrI <sub>3</sub> Monolayers by Adsorption of Transition-Metal Atoms. ACS Applied Materials & Interfaces, 2021, 13, 21593-21601.	8.0	30
14	Chemical Surface Adsorption and Trace Detection of Alcohol Gas in Graphene Oxide-Based Acid-Etched SnO <sub>2</sub> Aerogels. ACS Applied Materials & Interfaces, 2021, 13, 20467-20478.	8.0	29
15	The effect of gaseous SO <sub>2</sub> secondary sintering on the cement composition and crystal structure. Construction and Building Materials, 2021, 285, 122872.	7.2	3
16	Multiscale investigation of olivine (0 1 0) face dissolution from a surface control perspective. Applied Surface Science, 2021, 549, 149317.	6.1	9
17	Hydrophobic in-situ SiO <sub>2</sub> -TiO <sub>2</sub> composite aerogel for heavy oil thermal recovery: Synthesis and high temperature performance. Applied Thermal Engineering, 2021, 190, 116745.	6.0	23
18	Carbon Nanotube Supported Li-Excess Cation-Disordered Li <sub>1.24</sub> Fe <sub>0.38</sub> Ti <sub>0.38</sub> O <sub>2</sub> Cathode with Enhanced Lithium-Ion Storage Performance. Journal of Electronic Materials, 2021, 50, 5029-5036.	2.2	4

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19	Effect of gypsum dosage on the hydration and strength of alite-ye <sup>TM</sup> elite cement synthesized at 1300 <sup>Å</sup> C. Construction and Building Materials, 2021, 287, 123063.	7.2	8
20	A Pyrite Iron Disulfide Cathode with a Copper Current Collector for High <sup>€</sup> Energy Reversible Magnesium <sup>€</sup> ion Storage. Advanced Materials, 2021, 33, e2103881.	21.0	50
21	Isocyanate-crosslinked silica aerogel monolith with low thermal conductivity and much enhanced mechanical properties: Fabrication and analysis of forming mechanisms. Ceramics International, 2021, 47, 26668-26677.	4.8	15
22	Research on structure modulation of alite and its effect on the mechanical properties of cement clinker. Construction and Building Materials, 2021, 303, 124511.	7.2	5
23	NO <sub>2</sub> detection and redox capacitance reaction of Ag doped SnO <sub>2</sub> /rGO aerogel at room temperature. Journal of Alloys and Compounds, 2021, 886, 161287.	5.5	13
24	Synthesis and textural evolution of mesoporous Si <sub>3</sub> N <sub>4</sub> aerogel with high specific surface area and excellent thermal insulation property via the urea assisted sol-gel technique. Chemical Engineering Journal, 2020, 382, 122880.	12.7	35
25	Effect of Ti addition on mechanical properties and corrosion resistance of Ni-free Zr-based bulk metallic glasses for potential biomedical applications. Journal of Alloys and Compounds, 2020, 815, 152636.	5.5	37
26	Morphology prediction of portlandite: Atomistic simulations and experimental research. Applied Surface Science, 2020, 502, 144296.	6.1	16
27	Hybrid Sn <sup>€</sup> Co binary oxide nanosheets grown on carbon paper as the supercapacitor electrode materials. Journal of Alloys and Compounds, 2020, 814, 152199.	5.5	17
28	Halogenid <sup>€</sup> asierte Materialien und Chemie f <sup>1</sup> / <sub>4</sub> r wiederaufladbare Batterien. Angewandte Chemie, 2020, 132, 5954-6004.	2.0	14
29	Halide <sup>€</sup> Based Materials and Chemistry for Rechargeable Batteries. Angewandte Chemie - International Edition, 2020, 59, 5902-5949.	13.8	142
30	Contribution of core/shell TiO <sub>2</sub> @SiO <sub>2</sub> nanoparticles to the hydration of Portland cement. Construction and Building Materials, 2020, 233, 117127.	7.2	26
31	Synthesis of hydrophobic silica aerogel and its composite using functional precursor. Journal of Porous Materials, 2020, 27, 295-301.	2.6	7
32	One-step hydrothermal synthesis of MnOx-CeO <sub>2</sub> /reduced graphene oxide composite aerogels for low temperature selective catalytic reduction of NOx. Applied Surface Science, 2020, 508, 145024.	6.1	29
33	Blanket-like Co(OH) <sub>2</sub> /CoOOH/Co <sub>3</sub> O <sub>4</sub> /Cu(OH) <sub>2</sub> composites on Cu foam for hybrid supercapacitor. Electrochimica Acta, 2020, 334, 135559.	5.2	49
34	Polyvinylidene fluoride aerogel with high thermal stability and low thermal conductivity. Materials Letters, 2020, 259, 126890.	2.6	11
35	High <sup>€</sup> Energy Interlayer <sup>€</sup> Expanded Copper Sulfide Cathode Material in Non <sup>€</sup> Corrosive Electrolyte for Rechargeable Magnesium Batteries. Advanced Materials, 2020, 32, e1905524.	21.0	125
36	Study of Hydration and Microstructure of Mortar Containing Coral Sand Powder Blended with SCMs. Materials, 2020, 13, 4248.	2.9	7

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37	Spherical amine grafted silica aerogels for CO <sub>2</sub> capture. RSC Advances, 2020, 10, 25911-25917.	3.6	32
38	A promising form-stable phase change material composed of C/SiO <sub>2</sub> aerogel and palmitic acid with large latent heat as short-term thermal insulation. Energy, 2020, 210, 118478.	8.8	25
39	Realization of an Ultrahigh Power Factor and Enhanced Thermoelectric Performance in TiS <sub>2</sub> via Microstructural Texture Engineering. ACS Applied Materials & Interfaces, 2020, 12, 41687-41695.	8.0	22
40	Resol and urea derived N-doped porous carbon for Na-ion storage. Materials Chemistry and Physics, 2020, 254, 123535.	4.0	9
41	A High-Energy Aqueous Manganese-Metal Hydride Hybrid Battery. Advanced Materials, 2020, 32, e2001106.	21.0	22
42	Properties of eco-friendly coral sand powder - Calcium sulfoaluminate cement binary system. Construction and Building Materials, 2020, 263, 120181.	7.2	14
43	Polymer-Derived SiOC Integrated with a Graphene Aerogel As a Highly Stable Li-Ion Battery Anode. ACS Applied Materials & Interfaces, 2020, 12, 46045-46056.	8.0	66
44	Preparation and Organic Solvent Adsorption of PTFE Fabric Reinforced GO/SiO <sub>2</sub> Aerogel. Chemistry Letters, 2020, 49, 1324-1328.	1.3	4
45	Low-Temperature Liquid Phase Synthesis of Flower-like NiCo <sub>2</sub> O <sub>4</sub> for High-Efficiency Methanol Electro-oxidation. ACS Applied Energy Materials, 2020, 3, 9076-9082.	5.1	22
46	Low-Temperature Synthesis of LiFePO <sub>4</sub> Nanoplates/C Composite for Lithium Ion Batteries. Energy & Fuels, 2020, 34, 11597-11605.	5.1	15
47	Enhanced Ferromagnetism and Tunable Magnetism in Fe <sub>3</sub> GeTe <sub>2</sub> Monolayer by Strain Engineering. ACS Applied Materials & Interfaces, 2020, 12, 26367-26373.	8.0	83
48	Effect of protogenetic alkali sulfates on the hydration and hardening of cement with different tricalcium aluminate content. Construction and Building Materials, 2020, 256, 119475.	7.2	5
49	Freeze Casting: From Low-Dimensional Building Blocks to Aligned Porous Structures - A Review of Novel Materials, Methods, and Applications. Advanced Materials, 2020, 32, e1907176.	21.0	404
50	Enhancing strength and plasticity of Zr-based bulk metallic glasses by Zr partially substituted Fe and isothermal annealing. Journal of Non-Crystalline Solids, 2020, 543, 120163.	3.1	10
51	Flexible and super hydrophobic polymethylsilsesquioxane based silica aerogel for organic solvent adsorption via ambient pressure drying technique. Powder Technology, 2020, 373, 716-726.	4.2	42
52	Solution plasma method for the preparation of Cu-Ni/CuO-NiO with excellent methanol electrocatalytic oxidation performance. Applied Surface Science, 2020, 513, 145808.	6.1	20
53	Effect of isothermal annealing on mechanical performance and corrosion resistance of Ni-free Zr <sub>59</sub> Ti <sub>6</sub> Cu <sub>17.5</sub> Fe <sub>10</sub> Al <sub>7.5</sub> bulk metallic glass. Journal of Non-Crystalline Solids, 2020, 537, 120013.	3.1	13
54	Distinct anisotropy and a high power factor in highly textured TiS <sub>2</sub> ceramics via mechanical exfoliation. Chemical Communications, 2020, 56, 5961-5964.	4.1	9

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55	A Cu <sub>2</sub> O/Cu/carbon cloth as a binder-free electrode for non-enzymatic glucose sensors with high performance. <i>New Journal of Chemistry</i> , 2020, 44, 1993-2000.	2.8	27
56	Remarkable enhancement in the electrochemical properties of cosmetic brush-like Co <sub>3</sub> O <sub>4</sub> nanowires via <i>in situ</i> surface modification with Ni <sup>2+</sup> . <i>Nanotechnology</i> , 2020, 31, 365405.	2.6	0
57	Shape-tailorable amine grafted silica aerogel microsphere for CO <sub>2</sub> capture. <i>Green Chemical Engineering</i> , 2020, 1, 140-146.	6.3	8
58	Compressive strength and hydration characteristics of high-volume fly ash concrete prepared from fly ash. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 565-580.	3.6	45
59	Synergistic effect of metakaolin and limestone on the hydration properties of Portland cement. <i>Construction and Building Materials</i> , 2019, 223, 177-184.	7.2	61
60	Robust monolithic polymer(resorcinol-formaldehyde) reinforced alumina aerogel composites with mutually interpenetrating networks. <i>RSC Advances</i> , 2019, 9, 22942-22949.	3.6	12
61	Electrochemical transformation method for the preparation of novel 3D hybrid porous CoOOH/Co(OH) <sub>2</sub> composites with excellent pseudocapacitance performance. <i>Journal of Power Sources</i> , 2019, 443, 227278.	7.8	27
62	Properties of Portland cement paste blended with coral sand powder. <i>Construction and Building Materials</i> , 2019, 203, 662-669.	7.2	37
63	Incorporation of ultrafine nanograins in Zr-Cu-Al-Ni-Co bulk metallic glass enabling significantly improved mechanical properties. <i>Materials Research Express</i> , 2019, 6, 085211.	1.6	5
64	Cation substitution induced reactivity variation on the tricalcium silicate polymorphs determined from first-principles calculations. <i>Construction and Building Materials</i> , 2019, 216, 239-248.	7.2	17
65	Monolithic silicon nitride-based aerogels with large specific surface area and low thermal conductivity. <i>Ceramics International</i> , 2019, 45, 16331-16337.	4.8	21
66	Preparation of ZrC@Al <sub>2</sub> O <sub>3</sub> @Carbon composite aerogel with excellent high temperature thermal insulation performance. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	5
67	Study on the physical and chemical properties of Portland cement with THEED. <i>Construction and Building Materials</i> , 2019, 213, 617-626.	7.2	16
68	Modification Effects of Nano-SiO <sub>2</sub> on Early Compressive Strength and Hydration Characteristics of High-Volume Fly Ash Concrete. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	31
69	Synthesis of bulk BaTiO <sub>3</sub> aerogel and characterization of photocatalytic properties. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 313-322.	2.4	12
70	An All-Solid-State Rechargeable Chloride Ion Battery. <i>Advanced Science</i> , 2019, 6, 1802130.	11.2	41
71	Polyaniline-Intercalated FeOCl Cathode Material for Chloride Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 1761-1767.	3.4	31
72	Triconstituent co-assembly to hierarchically porous carbons as high-performance anodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 771, 140-146.	5.5	7

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73	Reaction of Portland cement clinker with gaseous SO <sub>2</sub> to form alite-ye'elinite clinker. <i>Cement and Concrete Research</i> , 2019, 116, 299-308.	11.0	11
74	Effects of limestone powder on the hydration and microstructure development of calcium sulphoaluminate cement under long-term curing. <i>Construction and Building Materials</i> , 2019, 199, 688-695.	7.2	55
75	Facile preparation of TiO <sub>2</sub> /ZnO composite aerogel with excellent antibacterial activities. <i>Materials Letters</i> , 2019, 234, 253-256.	2.6	23
76	The composition and performance of alite-ye'elinite clinker produced at 1300°C. <i>Cement and Concrete Research</i> , 2018, 107, 41-48.	11.0	31
77	Facile synthesis of TiO <sub>2</sub> /Ag composite aerogel with excellent antibacterial properties. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 590-598.	2.4	17
78	pH-Responsive Magnetic Mesoporous Silica-Based Nanoplatform for Synergistic Photodynamic Therapy/Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15001-15011.	8.0	62
79	Facile preparation of ZrCO composite aerogel with high specific surface area and low thermal conductivity. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 383-390.	2.4	16
80	Preparation of PAA/WO <sub>3</sub> composite films with enhanced electrochromism via layer-by-layer method. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 565-569.	1.4	4
81	Hydration of Portland cement with alkanolamines by thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 37-47.	3.6	19
82	Silica aerogels formed from soluble silicates and methyl trimethoxysilane (MTMS) using CO <sub>2</sub> gas as a gelation agent. <i>Ceramics International</i> , 2018, 44, 821-829.	4.8	35
83	Effect of welan gum on the hydration and hardening of Portland cement. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1277-1286.	3.6	14
84	Water Adsorption on the <sup>12</sup> -Dicalcium Silicate Surface from DFT Simulations. <i>Minerals (Basel)</i> , 2018, 8, 210-219.	2.0	21
85	Co-polyimide aerogel using aromatic monomers and aliphatic monomers as mixing diamines. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 386-394.	2.4	22
86	Synthesis of a novel three-dimensional Na <sub>2</sub> SO <sub>4</sub> @SiO <sub>2</sub> @Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> phase change material doped aerogel composite with high thermal resistance and latent heat. <i>Ceramics International</i> , 2018, 44, 21855-21865.	4.8	26
87	Near-infrared light-activated red-emitting upconverting nanoplatform for T1-weighted magnetic resonance imaging and photodynamic therapy. <i>Acta Biomaterialia</i> , 2018, 74, 360-373.	8.3	32
88	Research on the formation of M1-type alite doped with MgO and SO <sub>3</sub> —A route to improve the quality of cement clinker with a high content of MgO. <i>Construction and Building Materials</i> , 2018, 182, 156-166.	7.2	31
89	Sulfate adjustment for cement with triisopropanolamine: Mechanism of early strength enhancement. <i>Construction and Building Materials</i> , 2018, 182, 516-522.	7.2	29
90	Relationship between water permeability and pore structure of Portland cement paste blended with fly ash. <i>Construction and Building Materials</i> , 2018, 175, 458-466.	7.2	87

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91	Preparation and Characterization of Polyimide Aerogels with a Uniform Nanoporous Framework. <i>Langmuir</i> , 2018, 34, 10529-10536.	3.5	24
92	A novel building material with low thermal conductivity: Rapid synthesis of foam concrete reinforced silica aerogel and energy performance simulation. <i>Energy and Buildings</i> , 2018, 177, 385-393.	6.7	77
93	Preparation of magnetic MnFe <sub>2</sub> O <sub>4</sub> -Cellulose aerogel composite and its kinetics and thermodynamics of Cu(II) adsorption. <i>Cellulose</i> , 2018, 25, 735-751.	4.9	54
94	Influence of low-dose chemicals on the early strength of Portland cement: statistical and calorimetric evidence. <i>Advances in Cement Research</i> , 2017, 29, 155-165.	1.6	7
95	A new rapid and economical one-step method for preparing SiO <sub>2</sub> aerogels using supercritical extraction. <i>Powder Technology</i> , 2017, 312, 1-10.	4.2	32
96	Preparation and thermal shock resistance of high emissivity molybdenum disilicide-aluminoborosilicate glass hybrid coating on fiber reinforced aerogel composite. <i>Applied Surface Science</i> , 2017, 416, 805-814.	6.1	21
97	Influence of borax and citric acid on the hydration of calcium sulfoaluminate cement. <i>Chemical Papers</i> , 2017, 71, 1909-1919.	2.2	23
98	Kinetics of calcium sulfoaluminate with 1% iron oxide by isothermal and isoconversional methods. <i>Advances in Cement Research</i> , 2017, 29, 336-346.	1.6	6
99	Development of a new calcium sulfoaluminate (synthetic ye'elinite) blended PII 52.5 cement. <i>Advances in Cement Research</i> , 2017, 29, 373-386.	1.6	0
100	Effects of synthetic C-S-H/PCE nanocomposites on early cement hydration. <i>Construction and Building Materials</i> , 2017, 140, 282-292.	7.2	109
101	Effect of fly ash on the pore structure of cement paste under a curing period of 3 years. <i>Construction and Building Materials</i> , 2017, 144, 493-501.	7.2	51
102	Facile preparation of cross-linked polyimide aerogels with carboxylic functionalization for CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , 2017, 322, 1-9.	12.7	59
103	Molecular reorientation in a dehydration process of an organic polar salt of 2,4-diaminotoluene/L(+)-tartaric acid. <i>Powder Diffraction</i> , 2017, 32, 15-22.	0.2	0
104	Research on cement hydration and hardening with different alkanolamines. <i>Construction and Building Materials</i> , 2017, 141, 296-306.	7.2	80
105	Developing Polymer Cathode Material for the Chloride Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2535-2540.	8.0	90
106	Investigation on textural and structural evolution of the novel crack-free equimolar Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -TiO <sub>2</sub> ternary aerogel during thermal treatment. <i>Ceramics International</i> , 2017, 43, 4188-4196.	4.8	18
107	One-pot sol-gel synthesis of amine hybrid titania/silsesquioxane composite aerogel for CO <sub>2</sub> capture. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 422-431.	2.4	10
108	Influence of core/shell TiO <sub>2</sub> @SiO <sub>2</sub> nanoparticles on cement hydration. <i>Construction and Building Materials</i> , 2017, 156, 114-122.	7.2	64

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109	Nanoconfined Iron Oxychloride Material as a High-Performance Cathode for Rechargeable Chloride Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 2341-2348.	17.4	87
110	Welan gum retards the hydration of calcium sulfoaluminate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 899-908.	3.6	5
111	Evolution of the novel C/SiO <sub>2</sub> /SiC ternary aerogel with high specific surface area and improved oxidation resistance. <i>Chemical Engineering Journal</i> , 2017, 330, 1022-1034.	12.7	63
112	The low temperature fabrication of nanocrystalline MgAl <sub>2</sub> O <sub>4</sub> spinel aerogel by a non-alkoxide sol-gel route. <i>Materials Letters</i> , 2017, 207, 137-140.	2.6	9
113	Diffusion characteristic of sulfate anion in surface region of cement mortar at early stage. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 358-364.	1.0	2
114	Solution plasma synthesis of Pt/ZnO/KB for photo-assisted electro-oxidation of methanol. <i>Journal of Alloys and Compounds</i> , 2017, 692, 848-854.	5.5	30
115	Preparation of amine-modified SiO <sub>2</sub> aerogel from rice husk ash for CO <sub>2</sub> adsorption. <i>Journal of Porous Materials</i> , 2017, 24, 455-461.	2.6	23
116	Supercritical drying: a promising technique on synthesis of sorbent for CO <sub>2</sub> capture. <i>International Journal of Global Warming</i> , 2017, 12, 228.	0.5	1
117	Effect of Nano-SiO <sub>2</sub> on the Early Hydration of Alite-Sulphoaluminate Cement. <i>Nanomaterials</i> , 2017, 7, 102.	4.1	79
118	Hierarchically ordered mesoporous Co <sub>3</sub> O <sub>4</sub> materials for high performance Li-ion batteries. <i>Scientific Reports</i> , 2016, 6, 19564.	3.3	79
119	Spinel LiMn <sub>2-<i>x</i></sub> Si <sub><i>x</i></sub> O <sub>4</sub> ( <i>x</i> ≤ 1) through Si <sup>4+</sup> substitution as a potential cathode material for lithium-ion batteries. <i>Science China Materials</i> , 2016, 59, 558-566.	6.3	8
120	Synthesis of SnO <sub>2</sub> nanoparticles using a solution plasma and their gas-sensing properties. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AE17.	1.5	6
121	Paclitaxel modified Fe <sub>3</sub> O <sub>4</sub> loaded albumin nanoparticles as drug delivery vehicles by self-assembly. <i>RSC Advances</i> , 2016, 6, 43284-43292.	3.6	14
122	Controllable Low-Temperature Hydrothermal Synthesis and Gas-Sensing Investigation of Crystalline SnO <sub>2</sub> Nanoparticles. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1342-1346.	2.5	6
123	Amine hybrid zirconia/silica composite aerogel for low-concentration CO <sub>2</sub> capture. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 269-276.	4.4	37
124	Amine hybrid aerogel for high-efficiency CO <sub>2</sub> capture: Effect of amine loading and CO <sub>2</sub> concentration. <i>Chemical Engineering Journal</i> , 2016, 306, 362-368.	12.7	77
125	Nanostructured cation disordered Li <sub>2</sub> FeTiO <sub>4</sub> /graphene composite as high capacity cathode for lithium-ion batteries. <i>Materials Technology</i> , 2016, 31, 537-543.	3.0	22
126	Carbon incorporation effects and reaction mechanism of FeOCl cathode materials for chloride ion batteries. <i>Scientific Reports</i> , 2016, 6, 19448.	3.3	43



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127	Hydration of ternary cement in the presence of triisopropanolamine. Construction and Building Materials, 2016, 111, 513-521.	7.2	29
128	Preparation and accelerated carbonation of low temperature sintered clinker with low Ca/Si ratio. Journal of Cleaner Production, 2016, 120, 249-259.	9.3	42
129	High emissivity MoSi <sub>2</sub> –ZrO <sub>2</sub> –borosilicate glass multiphase coating with SiB <sub>6</sub> addition for fibrous ZrO <sub>2</sub> ceramic. Ceramics International, 2016, 42, 8140-8150.	4.8	41
130	Novel Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> composite aerogels with high specific surface area at elevated temperatures with different alumina/silica molar ratios prepared by a non-alkoxide sol–gel method. RSC Advances, 2016, 6, 5611-5620.	3.6	85
131	Synthesis of a novel Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> composite aerogel with high specific surface area at elevated temperatures using inexpensive inorganic salt of aluminum. Ceramics International, 2016, 42, 874-882.	4.8	115
132	Dynamic capture of low-concentration CO <sub>2</sub> on amine hybrid silsesquioxane aerogel. Chemical Engineering Journal, 2016, 283, 1059-1068.	12.7	72
133	Electrochemical properties of Co-S/x wt.% AB <sub>5</sub> composite materials. Science China Technological Sciences, 2015, 58, 1355-1359.	4.0	3
134	Facile and Eco-Friendly Synthesis of Finger-Like Co <sub>3</sub> O <sub>4</sub> Nanorods for Electrochemical Energy Storage. Nanomaterials, 2015, 5, 2335-2347.	4.1	19
135	A new mesoporous amine-TiO <sub>2</sub> based pre-combustion CO <sub>2</sub> capture technology. Applied Energy, 2015, 147, 214-223.	10.1	41
136	Preparation of SiO <sub>2</sub> aerogel from rice husk ash. RSC Advances, 2015, 5, 65818-65826.	3.6	34
137	Facile synthesis of an amine hybrid aerogel with high adsorption efficiency and regenerability for air capture via a solvothermal-assisted sol–gel process and supercritical drying. Green Chemistry, 2015, 17, 3436-3445.	9.0	47
138	Development of monolithic adsorbent via polymeric sol–gel process for low-concentration CO <sub>2</sub> capture. Applied Energy, 2015, 147, 308-317.	10.1	71
139	The mechanochemical process and properties of Portland cement with the addition of new alkanolamines. Powder Technology, 2015, 286, 750-756.	4.2	23
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