

Luming Peng

List of Publications by Year in descending order

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146
papers

4,791
citations

76294

40
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128225

60
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149
all docs

149
docs citations

149
times ranked

6189
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high rate capability of 1D/2D polyaniline/titanium carbide (MXene) nanohybrid for advanced asymmetric supercapacitors. <i>Nano Research</i> , 2022, 15, 285-295.	5.8	50
2	Identification of CO ₂ adsorption sites on MgO nanosheets by solid-state nuclear magnetic resonance spectroscopy. <i>Nature Communications</i> , 2022, 13, 707.	5.8	17
3	Nest-type NCM@Pt/C with oxygen capture character as advanced electrocatalyst for oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2022, 71, 304-312.	7.1	21
4	Subtle modulation on electronic properties of platinum by Cu-Nx containing carbon support for highly efficient electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2022, 591, 153057.	3.1	7
5	Enhancing ionic conductivity in solid electrolyte by relocating diffusion ions to under-coordination sites. <i>Science Advances</i> , 2022, 8, eabj7698.	4.7	37
6	A green route for the preparation of layered double hydroxides from basic magnesium carbonate. <i>Magnetic Resonance Letters</i> , 2022, , .	0.7	3
7	Ternary heterostructural CoO/CN/Ni catalyst for promoted CO ₂ electroreduction to methanol. <i>Journal of Catalysis</i> , 2021, 393, 83-91.	3.1	20
8	Schiff-base silver nanocomplexes formation on natural biopolymer coated mesoporous silica contributed to the improved curative effect on infectious microbes. <i>Nano Research</i> , 2021, 14, 2735-2748.	5.8	29
9	Surface acidity of tin dioxide nanomaterials revealed with ³¹ P solid-state NMR spectroscopy and DFT calculations. <i>RSC Advances</i> , 2021, 11, 25004-25009.	1.7	3
10	From helices to superhelices: hierarchical assembly of homochiral van der Waals 1D coordination polymers. <i>Chemical Science</i> , 2021, 12, 12619-12630.	3.7	9
11	TM LDH Meets Birnessite: A 2D@2D Hybrid Catalyst with Long-Term Stability for Water Oxidation at Industrial Operating Conditions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9699-9705.	7.2	57
12	Ultrasonic assisted growth of SnO ₂ @carbon hollow nanosphere composites as conductive agent free anode materials for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 1949-1955.	1.2	1
13	TM LDH Meets Birnessite: A 2D@2D Hybrid Catalyst with Long-Term Stability for Water Oxidation at Industrial Operating Conditions. <i>Angewandte Chemie</i> , 2021, 133, 9785-9791.	1.6	3
14	⁷ Li NMR investigations of Li/MgO catalysts for oxidative coupling of methane. <i>Molecular Catalysis</i> , 2021, 513, 111802.	1.0	1
15	Layer structural MoO ₂ /carbon hybrid composites as anode materials for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 4713-4720.	1.2	1
16	Enzyme-like mechanism of selective toluene oxidation to benzaldehyde over organophosphoric acid-bonded nano-oxides. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1509-1518.	6.9	12
17	Electronic Structure of Anode Material Li ₂ TiSiO ₅ and Its Structural Evolution during Lithiation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3733-3744.	1.5	3
18	Enhanced Fluoride Uptake by Layered Double Hydroxides under Alkaline Conditions: Solid-State NMR Evidence of the Role of Surface >MgOH Sites. <i>Environmental Science & Technology</i> , 2021, 55, 15082-15089.	4.6	22

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19	Exclusively catalytic oxidation of toluene to benzaldehyde in an O/W emulsion stabilized by hexadecylphosphate acid terminated mixed-oxide nanoparticles. Chinese Journal of Catalysis, 2020, 41, 341-349.	6.9	24
20	Morphology-Reserved Synthesis of Discrete Nanosheets of CuO@SAPO-34 and Pore Mouth Catalysis for One-Pot Oxidation of Cyclohexane. Angewandte Chemie, 2020, 132, 2628-2633.	1.6	12
21	Morphology-Reserved Synthesis of Discrete Nanosheets of CuO@SAPO-34 and Pore Mouth Catalysis for One-Pot Oxidation of Cyclohexane. Angewandte Chemie - International Edition, 2020, 59, 2606-2611.	7.2	36
22	Adjacent acid sites cooperatively catalyze fructose to 5-hydroxymethylfurfural in a new, facile pathway. Journal of Energy Chemistry, 2020, 47, 112-117.	7.1	20
23	γ -Al ₂ O ₃ sheet-stabilized isolate Co ²⁺ for catalytic propane dehydrogenation. Journal of Catalysis, 2020, 381, 482-492.	3.1	98
24	Dialing in Catalytic Sites on Metal Organic Framework Nodes: MIL-53(Al) and MIL-68(Al) Probed with Methanol Dehydration Catalysis. ACS Applied Materials & Interfaces, 2020, 12, 53537-53546.	4.0	34
25	Iron oxide encapsulated in nitrogen-rich carbon enabling high-performance lithium-ion capacitor. Science China Materials, 2020, 63, 2289-2302.	3.5	13
26	CO ₂ Hydrogenation to Ethanol over Cu@Na-Beta. Chem, 2020, 6, 2673-2689.	5.8	130
27	Crystal-Facet Modulated CrO ₂ / γ -Al ₂ O ₃ : Quasi-Liquid Surface Modification by Bonded Polydimethylsiloxane for Catalytic Oxidation of Propene. Langmuir, 2020, 36, 10404-10411.	1.6	2
28	Atomically dispersed Lewis acid sites boost 2-electron oxygen reduction activity of carbon-based catalysts. Nature Communications, 2020, 11, 5478.	5.8	114
29	Interactions of Oxide Surfaces with Water Revealed with Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 11173-11182.	6.6	24
30	TiO ₂ modified γ -Fe ₂ O ₃ pompon-like hollow sphere as the anode material for lithium-ion batteries with mixed lithiation mechanisms. Ionics, 2020, 26, 2781-2790.	1.2	3
31	Frontispiece: Morphology-Reserved Synthesis of Discrete Nanosheets of CuO@SAPO-34 and Pore Mouth Catalysis for One-Pot Oxidation of Cyclohexane. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
32	Frontispiz: Morphology-Reserved Synthesis of Discrete Nanosheets of CuO@SAPO-34 and Pore Mouth Catalysis for One-Pot Oxidation of Cyclohexane. Angewandte Chemie, 2020, 132, .	1.6	0
33	Probing Interactions of γ -Alumina with Water via Multinuclear Solid-State NMR Spectroscopy. ChemCatChem, 2020, 12, 1569-1574.	1.8	17
34	¹⁷ O Solid-State NMR Studies of Ta ₂ O ₅ Nanorods. ACS Omega, 2020, 5, 8355-8361.	1.6	7
35	Modulating Lattice Oxygen in Dual-Functional Mo ^V O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. Journal of the American Chemical Society, 2019, 141, 18653-18657.	6.6	133
36	Hydrophobic Functionalization of ZnO Nanosheets by In Situ Center-Substituted Synthesis for Selective Photocatalysis under Visible Irradiation. Particle and Particle Systems Characterization, 2019, 36, 1800403.	1.2	10

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37	Iron oxide encapsulated in nitrogen-doped carbon as high energy anode material for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 438, 227047.	4.0	25
38	¹⁷ O Solid-State NMR Studies of ZrO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4158-4167.	1.5	17
39	Ternary Heterostructural Pt/CN _x /Ni as a Supercatalyst for Oxygen Reduction. <i>IScience</i> , 2019, 11, 388-397.	1.9	36
40	Antimony-doped tin oxide nanoparticles as peroxidase mimics for paper-based colorimetric detection of glucose using smartphone read-out. <i>Mikrochimica Acta</i> , 2019, 186, 403.	2.5	34
41	Investigating the Structure of an Active Materialâ€“Carbon Interface in the Monoclinic Li ₃ V ₂ (PO ₄) ₃ /C Composite Cathode. <i>ACS Applied Energy Materials</i> , 2019, 2, 3692-3702.	2.5	9
42	LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathodes exhibiting improved capacity retention and thermal stability due to a lithium iron phosphate coating. <i>Electrochimica Acta</i> , 2019, 312, 179-187.	2.6	50
43	Promoting defective-Li ₂ O ₂ formation <i>via</i> Na doping for Liâ€“O ₂ batteries with low charge overpotentials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10389-10396.	5.2	17
44	Polar surface structure of oxide nanocrystals revealed with solid-state NMR spectroscopy. <i>Nature Communications</i> , 2019, 10, 5420.	5.8	41
45	Real-time cell analysis of the cytotoxicity of a pH-responsive drug-delivery matrix based on mesoporous silica materials functionalized with ferrocenecarboxylic acid. <i>Analytica Chimica Acta</i> , 2019, 1051, 138-146.	2.6	14
46	Defect Chemistry in Discharge Products of Liâ€“O ₂ Batteries. <i>Small Methods</i> , 2019, 3, 1800358.	4.6	34
47	Recent progress in investigations of surface structure and properties of solid oxide materials with nuclear magnetic resonance spectroscopy. <i>Chinese Chemical Letters</i> , 2018, 29, 747-751.	4.8	18
48	A high-performance asymmetric supercapacitor based on vanadyl phosphate/carbon nanocomposites and polypyrrole-derived carbon nanowires. <i>Nanoscale</i> , 2018, 10, 3709-3719.	2.8	36
49	The effect of electrostatic field on the catalytic properties of platinum clusters confined in zeolite for hydrogenation. <i>Catalysis Science and Technology</i> , 2018, 8, 6384-6395.	2.1	18
50	Intercalation of alkylamines in layered MoO ₃ and <i>in situ</i> carbonization for a high-performance asymmetric supercapacitor. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2788-2798.	2.5	21
51	Reduction-oxidation pretreatment enhanced catalytic performance of Co ₃ O ₄ /Al ₂ O ₃ over CO oxidation. <i>Applied Surface Science</i> , 2018, 453, 330-335.	3.1	24
52	Probing local structure of paramagnetic Ni-Al layered double hydroxides with solid-state ² H NMR spectroscopy. <i>Chemical Physics Letters</i> , 2018, 706, 47-52.	1.2	9
53	Crown ether induced assembly to ¹³ -Al ₂ O ₃ nanosheets with rich pentacoordinate Al ³⁺ sites and high ethanol dehydration activity. <i>Applied Surface Science</i> , 2018, 457, 626-632.	3.1	22
54	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12012-12016.	7.2	142

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55	Carbon nitride with encapsulated nickel for semi-hydrogenation of acetylene: pyridinic nitrogen is responsible for hydrogen dissociative adsorption. <i>Science China Chemistry</i> , 2018, 61, 1014-1019.	4.2	7
56	Crystal-Facet Effect of Al_2O_3 on Supporting CrO_2 for Catalytic Semihydrogenation of Acetylene. <i>ACS Catalysis</i> , 2018, 8, 6419-6425.	5.5	38
57	Dual-Responsive Bola-Type Supra-Amphiphile Constructed from Water-Soluble Pillar[5]arene and Naphthalimide-Containing Amphiphile for Intracellular Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4843-4850.	4.0	75
58	Surface-selective direct ^{17}O DNP NMR of CeO_2 nanoparticles. <i>Chemical Communications</i> , 2017, 53, 2142-2145.	2.2	62
59	Platinum nanoparticles encapsulated in HZSM-5 crystals as an efficient catalyst for green production of p-aminophenol. <i>Catalysis Communications</i> , 2017, 97, 98-101.	1.6	21
60	Nanotubular Gamma Alumina with High-Energy External Surfaces: Synthesis and High Performance for Catalysis. <i>ACS Catalysis</i> , 2017, 7, 4083-4092.	5.5	41
61	Cooperativity of adjacent Brønsted acid sites in MFI zeolite channel leads to enhanced polarization and cracking of alkanes. <i>Journal of Catalysis</i> , 2017, 349, 163-174.	3.1	85
62	Mixed Molybdenum Oxides with Superior Performances as an Advanced Anode Material for Lithium-Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 44697.	1.6	52
63	Topochemical polymerisation of assembled diacetylene macrocycle bearing dibenzylphosphine oxide in solid state. <i>Supramolecular Chemistry</i> , 2017, 29, 94-101.	1.5	5
64	Distinguishing faceted oxide nanocrystals with ^{17}O solid-state NMR spectroscopy. <i>Nature Communications</i> , 2017, 8, 581.	5.8	48
65	Surface titanium oxide loaded on a special alumina as high-performance catalyst for reduction of cinnamaldehyde by isopropanol. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1330-1337.	6.9	2
66	Template-Free Synthesis of High-Content Vanadium-Doped ZSM-5 with Enhanced Catalytic Performance. <i>ChemistrySelect</i> , 2017, 2, 11513-11520.	0.7	5
67	3D charged grid induces a high performance catalyst: ruthenium clusters enclosed in X-zeolite for hydrogenation of phenol to cyclohexanone. <i>Catalysis Science and Technology</i> , 2017, 7, 5953-5963.	2.1	32
68	GSH-Responsive supramolecular nanoparticles constructed by β -galactose-modified pillar[5]arene and camptothecin prodrug for targeted anticancer drug delivery. <i>Chemical Communications</i> , 2017, 53, 8596-8599.	2.2	81
69	Simple Synthesis of $\text{TiO}_2/\text{MnO}_x$ Composite with Enhanced Performances as Anode Materials for Li-Ion Battery. <i>Electrochimica Acta</i> , 2016, 211, 832-841.	2.6	19
70	Ni-Silicides nanoparticles as substitute for noble metals for hydrogenation of nitrobenzene to p-Aminophenol in sulfuric acid. <i>Applied Catalysis A: General</i> , 2016, 520, 151-156.	2.2	23
71	An efficient hydrogenation catalyst in sulfuric acid for the conversion of nitrobenzene to p-aminophenol: N-doped carbon with encapsulated molybdenum carbide. <i>Chemical Communications</i> , 2016, 52, 10672-10675.	2.2	24
72	Study of Microstructure Change of Carbon Nanofibers as Binder-Free Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33091-33101.	4.0	43

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73	CeO ₂ nanorods anchored on mesoporous carbon as an efficient catalyst for imine synthesis. <i>Chemical Communications</i> , 2016, 52, 13495-13498.	2.2	49
74	Ultrathin anatase nanosheets with high energy facets exposed and related photocatalytic performances. <i>RSC Advances</i> , 2016, 6, 62675-62679.	1.7	2
75	Solvent-free synthesis of crystalline mesoporous γ -Fe ₂ O ₃ as an anode material in lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 57009-57012.	1.7	10
76	Controllable Construction of Biocompatible Supramolecular Micelles and Vesicles by Water-Soluble Phosphate Pillar[5,6]arenes for Selective Anti-Cancer Drug Delivery. <i>Chemistry of Materials</i> , 2016, 28, 3778-3788.	3.2	119
77	Identification of different tin species in SnO ₂ nanosheets with ¹¹⁹ Sn solid-state NMR spectroscopy. <i>Chemical Physics Letters</i> , 2016, 643, 126-130.	1.2	15
78	Catalytic hydroxylation enables phenol to efficient assembly of ordered mesoporous carbon under highly acidic conditions. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 114-120.	2.2	18
79	High selectivity top-chloroaniline in the hydrogenation of p-chloronitrobenzene on Ni modified carbon nitride catalyst. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2030-2035.	6.9	14
80	One-Pot Synthesis of Zeolitic Strong Solid Bases: A Family of Alkaline-Earth Metal-Containing Silicalite-1. <i>Chemistry - A European Journal</i> , 2015, 21, 15412-15420.	1.7	23
81	Thickness-dependent SERS activities of gold nanosheets controllably synthesized via photochemical reduction in lamellar liquid crystals. <i>Chemical Communications</i> , 2015, 51, 5116-5119.	2.2	28
82	Dehydration and Dehydroxylation of Layered Double Hydroxides: New Insights from Solid-State NMR and FT-IR Studies of Deuterated Samples. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12325-12334.	1.5	36
83	Identification of different oxygen species in oxide nanostructures with ¹⁷ O solid-state NMR spectroscopy. <i>Science Advances</i> , 2015, 1, e1400133.	4.7	72
84	Organic-free synthesis of ultrathin gold nanowires as effective SERS substrates. <i>Chemical Communications</i> , 2015, 51, 11841-11843.	2.2	14
85	Combined desilication and phosphorus modification for high-silica ZSM-5 zeolite with related study of hydrocarbon cracking performance. <i>Applied Catalysis A: General</i> , 2015, 503, 147-155.	2.2	60
86	Identification of intrinsic hydrogen impurities in ZnO with ¹ H solid-state nuclear magnetic resonance spectroscopy. <i>Chemical Physics Letters</i> , 2015, 627, 7-12.	1.2	15
87	Platinum Nanoparticles Encapsulated in MFI Zeolite Crystals by a Two-Step Dry Gel Conversion Method as a Highly Selective Hydrogenation Catalyst. <i>ACS Catalysis</i> , 2015, 5, 6893-6901.	5.5	136
88	¹⁷ O solid-state NMR studies of oxygen-containing catalysts. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1494-1504.	6.9	20
89	A sintering-resistant Pd/SiO ₂ catalyst by reverse-loading nano iron oxide for aerobic oxidation of benzyl alcohol. <i>RSC Advances</i> , 2015, 5, 4766-4769.	1.7	16
90	Investigating Local Structure in Layered Double Hydroxides with ¹⁷ O NMR Spectroscopy. <i>Advanced Functional Materials</i> , 2014, 24, 1696-1702.	7.8	32

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91	Supramolecular Materials: Investigating Local Structure in Layered Double Hydroxides with ^{17}O NMR Spectroscopy (Adv. Funct. Mater. 12/2014). Advanced Functional Materials, 2014, 24, 1695-1695.	7.8	0
92	Partially nitrated molybdenum trioxide with promoted performance as an anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 699-704.	5.2	104
93	Organoamine-assisted biomimetic synthesis of faceted hexagonal hydroxyapatite nanotubes with prominent stimulation activity for osteoblast proliferation. Journal of Materials Chemistry B, 2014, 2, 1760-1763.	2.9	41
94	Probing Local Structure of Layered Double Hydroxides with ^1H Solid-State NMR Spectroscopy on Deuterated Samples. Journal of Physical Chemistry Letters, 2014, 5, 363-369.	2.1	16
95	Hexadecylphosphate-Functionalized Iron Oxide Nanoparticles: Mild Oxidation of Benzyl C-H Bonds Exclusive to Carbonyls by Molecular Oxygen. ACS Catalysis, 2014, 4, 2746-2752.	5.5	20
96	Remarkable acceleration of the fructose dehydration over the adjacent Brønsted acid sites contained in an MFI-type zeolite channel. Journal of Catalysis, 2014, 319, 150-154.	3.1	18
97	Efficient self-metathesis of 1-butene on molybdenum oxide supported on silica modified one-dimensional Al_2O_3 . Journal of Molecular Catalysis A, 2014, 394, 1-9.	4.8	17
98	MoO_2 @carbon hollow microspheres with tunable interiors and improved lithium-ion battery anode properties. Physical Chemistry Chemical Physics, 2014, 16, 20570-20577.	1.3	41
99	Acid-Resistant Catalysis without Use of Noble Metals: Carbon Nitride with Underlying Nickel. ACS Catalysis, 2014, 4, 2536-2543.	5.5	135
100	Super high selectivity of acrolein in oxidation of propene on molybdenum promoted hierarchical assembly of bismuth tungstate nanoflakes. Applied Catalysis A: General, 2014, 482, 179-188.	2.2	12
101	Highly active gold catalysts loaded on NiAl-oxide derived from layered double hydroxide for aerobic alcohol oxidation. Applied Catalysis A: General, 2014, 482, 294-299.	2.2	16
102	Heteropolyanion-based ionic liquid-functionalized mesoporous copolymer catalyst for Friedel-Crafts benzylation of arenes with benzyl alcohol. Chemical Engineering Journal, 2014, 254, 54-62.	6.6	61
103	Half-encapsulated Au nanoparticles by nano iron oxide: promoted performance of the aerobic oxidation of 1-phenylethanol. Nanoscale, 2013, 5, 9546.	2.8	15
104	Mesostructural Bi-Mo-O catalyst: correct structure leading to high performance. Scientific Reports, 2013, 3, 2881.	1.6	15
105	High performance mesoporous zirconium phosphate for dehydration of xylose to furfural in aqueous-phase. RSC Advances, 2013, 3, 23228.	1.7	42
106	Synergism between the Lewis and Brønsted acid sites on HZSM-5 zeolites in the conversion of methylcyclohexane. Chinese Journal of Catalysis, 2013, 34, 2153-2159.	6.9	22
107	Sandwich-like LiFePO_4 /graphene hybrid nanosheets: in situ catalytic graphitization and their high-rate performance for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 11534.	5.2	81
108	Designed Synthesis of Functionalized Two-Dimensional Metal-Organic Frameworks with Preferential CO_2 Capture. ChemPlusChem, 2013, 78, 86-91.	1.3	48

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109	Optimizing activity of tungsten oxides for 1-butene metathesis by depositing silica on γ -alumina support. <i>Chemical Engineering Research and Design</i> , 2013, 91, 573-580.	2.7	46
110	Selective oxidation of toluene using surface-modified vanadium oxide nanobelts. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1297-1302.	6.9	5
111	Solid-State MAS NMR Studies of Brønsted Acid Sites in Zeolite H-Mordenite. <i>Journal of the American Chemical Society</i> , 2012, 134, 9708-9720.	6.6	85
112	The effects of carbonaceous species in HZSM-5 on methanol-to-olefin process. <i>Applied Catalysis A: General</i> , 2012, 421-422, 108-113.	2.2	15
113	Comparison of preparation and formation mechanism of LuAG nanopowders using two different methods. <i>Micro and Nano Letters</i> , 2012, 7, 529.	0.6	7
114	Inorganic nanotubes formation through the synergic evolution of dynamic templates and metallophosphates: from vesicles to nanotubes. <i>Chemical Communications</i> , 2011, 47, 10061.	2.2	12
115	Nanocrystals of CeVO_4 Doped by Metallic Heteroions. <i>Inorganic Chemistry</i> , 2011, 50, 6189-6194.	1.9	28
116	Iron oxide and alumina nanocomposites applied to Fischer-Tropsch synthesis. <i>Chemical Communications</i> , 2011, 47, 4019.	2.2	44
117	Measuring Brønsted Acid Site O-H Distances in Zeolites HY and HZSM-5 with Low-Temperature ^{17}O Double Resonance MAS NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2030-2037.	1.5	24
118	One-pot synthesis of boron-doped mesoporous carbon with boric acid as a multifunction reagent. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 609-613.	2.2	69
119	Catalytic Ammonia Synthesis over Mo Nitride/ZSM-5. <i>ChemCatChem</i> , 2010, 2, 167-174.	1.8	18
120	1-Butene cracking to propene over P/HZSM-5: Effect of lanthanum. <i>Journal of Molecular Catalysis A</i> , 2010, 327, 12-19.	4.8	49
121	Effects of e-beam curing on glass structure and mechanical properties of nanoporous organosilicate thin films. <i>International Journal of Materials Research</i> , 2010, 101, 228-235.	0.1	3
122	Exclusively selective oxidation of toluene to benzaldehyde on ceria nanocubes by molecular oxygen. <i>Chemical Communications</i> , 2010, 46, 5909.	2.2	106
123	Solvothermal synthesis of lutetium aluminum garnet nanopowders: Determination of the optimum synthesis conditions. <i>Journal of Alloys and Compounds</i> , 2010, 491, 599-604.	2.8	10
124	Noncrystalline NiPB nanotubes for hydrogenation of p-chloronitrobenzene. <i>Chemical Communications</i> , 2010, 46, 2268.	2.2	31
125	Silica Nanotubes and Their Assembly Assisted by Boric Acid to Hierarchical Mesostructures. <i>Langmuir</i> , 2010, 26, 4572-4575.	1.6	39
126	Ferric oxide and ZnFe_2O_4 nanotubes derived from nano ZnO/FeO_x core/shell structures. <i>Materials Letters</i> , 2009, 63, 2233-2235.	1.3	8

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127	Low Temperature ¹ H MAS NMR Spectroscopy Studies of Proton Motion in Zeolite HZSM-5. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8211-8219.	1.5	43
128	The hydrophilic/hydrophobic effect of porous solid acid catalysts on mixed liquid phase reaction of esterification. <i>Catalysis Communications</i> , 2009, 10, 1734-1737.	1.6	31
129	Synthesis of VO _x Nanotubes by Cooperation of Tetramethylammonium Hydroxide and Tetradecylamine in Short Duration. <i>Chemistry Letters</i> , 2009, 38, 928-929.	0.7	3
130	¹⁷ O MQMAS NMR studies of zeolite HY. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 156-162.	2.2	28
131	Diphosphine probe molecules and solid-state NMR investigations of proximity between acidic sites in zeolite HY. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 277-283.	2.2	24
132	Variable-Temperature ¹⁷ O NMR Study of Oxygen Motion in the Anionic Conductor Bi ₂₆ Mo ₁₀ O ₆₉ . <i>Chemistry of Materials</i> , 2008, 20, 3638-3648.	3.2	47
133	High resolution ¹⁷ O MAS and triple-quantum MAS NMR studies of gallosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3120-3128.	1.5	13
134	Effects of UV cure on glass structure and fracture properties of nanoporous carbon-doped oxide thin films. <i>Journal of Applied Physics</i> , 2008, 104, 043513.	1.1	32
135	Probing Brønsted acid sites in zeolite HY with low temperature ¹⁷ O MAS NMR spectroscopy. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 783-789.	1.5	3
136	Germanosilicate and alkali germanosilicate glass structure: New insights from high-resolution oxygen-17 NMR. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2910-2918.	1.5	29
137	Sodium germanate glasses and crystals: NMR constraints on variation in structure with composition. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4732-4742.	1.5	29
138	¹⁷ O Magic Angle Spinning NMR Studies of Brønsted Acid Sites in Zeolites HY and HZSM-5. <i>Journal of the American Chemical Society</i> , 2007, 129, 335-346.	6.6	90
139	¹⁷ O NMR studies of local structure and phase evolution for materials in the Y ₂ Ti ₂ O ₇ –ZrTiO ₄ binary system. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2175-2185.	1.4	7
140	Synthesis and Structure Determination of a New Organically Templated Scandium Fluorophosphate Framework and Its Indium Analogue. <i>ChemInform</i> , 2005, 36, no.	0.1	0
141	Detection of Brønsted acid sites in zeolite HY with high-field ¹⁷ O-MAS-NMR techniques. <i>Nature Materials</i> , 2005, 4, 216-219.	13.3	110
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143	Measuring Brønsted Acid Densities in Zeolite HY with Diphosphine Molecules and Solid State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 12254-12255.	6.6	50
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