Weishen Yang

List of Publications by Year
in descending order

364	22,879	9264 74	11052 137
papers	citations	h-index	g-index

378	378	378	16443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational design of CO2 electroreduction cathode via in situ electrochemical phase transition. Journal of Energy Chemistry, 2022, 66, 603-611.	12.9	7
2	Selective Oxidation of Isobutane to Methacrylic Acid by Metal-Substituted Ammonium Salts of Molybdovanadophosphoric Acid. Catalysis Letters, 2022, 152, 2412-2420.	2.6	3
3	Roadmap for Sustainable Mixed Ionicâ€Electronic Conducting Membranes. Advanced Functional Materials, 2022, 32, .	14.9	49
4	Effect of inner strain on the performance of dual-phase oxygen permeable membranes. Journal of Membrane Science, 2022, 644, 120142.	8.2	5
5	Pyrazineâ€interiorâ€embodied <scp>MOF</scp>â€74 for selective <scp>CO₂</scp> adsorption. AICHE Journal, 2022, 68, e17528.	3.6	11
6	Effect of molten carbonate composition on CO2 permeation mechanism. Journal of Membrane Science, 2022, 645, 120210.	8.2	2
7	Heteroâ€Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
8	Heteroâ€Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. Angewandte Chemie, 2022, 134, .	2.0	3
9	Boosting the oxygen evolution reaction through migrating active sites from the bulk to surface of perovskite oxides. Journal of Energy Chemistry, 2022, 69, 434-441.	12.9	19
10	Flexible Softâ€Solid Metalâ€“Organic Framework Composite Membranes for H₂/CO₂ Separation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	41
11	Flexible Softâ€Solid Metalâ€“Organic Framework Composite Membranes for H₂/CO₂ Separation. Angewandte Chemie, 2022, 134, .	2.0	3
12	Synthesis optimization of phase-singularized UZM-5 zeolite under hydrothermal conditions: The critical control points of its crystalline phase and crystallinity. Microporous and Mesoporous Materials, 2022, 334, 111776.	4.4	2
13	Enhancing activity and stability of Co-MOF-74 for oxygen evolution reaction by wrapping polydopamine. Electrochimica Acta, 2022, 416, 140293.	5.2	19
14	Assembly of ionic liquid molecule layers on metalâ€“organic framework-808 for CO2 capture. Chemical Engineering Journal, 2022, 439, 135650.	12.7	20
15	Effect of Phase Ratio on Hydrogen Separation ofÂDualâ€phase Membrane Reactors. Chemie-Ingenieur-Technik, 2022, 94, 145-151.	0.8	1
16	Oxygen activation on Ba-containing perovskite materials. Science Advances, 2022, 8, eabn4072.	10.3	29
17	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^’x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	11
18	Repeatable preparation of defect-free electrolyte membranes for proton-conducting fuel cells. Journal of Membrane Science, 2022, 656, 120642.	8.2	5

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19	Improving intermediate-temperature stability of BSCF by constructing high entropy perovskites. , 2022, 2, 100026.		4
20	Selective Removal of CO in Hydrocarbons-Rich Industrial Off-gases over CuOâ€“CexZr1â¯xO2 Catalysts. Catalysis Surveys From Asia, 2021, 25, 68-75.	2.6	0
21	Tuning of Delicate Hostâ€“Guest Interactions in Hydrated MILâ€53 and Functional Variants for Furfural Capture from Aqueous Solution. Angewandte Chemie - International Edition, 2021, 60, 1629-1634.	13.8	17
22	Tuning of Delicate Hostâ€“Guest Interactions in Hydrated MILâ€53 and Functional Variants for Furfural Capture from Aqueous Solution. Angewandte Chemie, 2021, 133, 1653-1658.	2.0	4
23	Improved hydrogen separation performance of asymmetric oxygen transport membranes by grooving in the porous support layer. Green Chemical Engineering, 2021, 2, 96-103.	6.3	7
24	Modification strategies for metal-organic frameworks targeting at membrane-based gas separations. Green Chemical Engineering, 2021, 2, 17-26.	6.3	20
25	The current status of high temperature electrochemistry-based CO2 transport membranes and reactors for direct CO2 capture and conversion. Progress in Energy and Combustion Science, 2021, 82, 100888.	31.2	49
26	Cathode activation process and CO2 electroreduction mechanism on LnFeO3-Î´ (Ln=La, Pr and Gd) perovskite cathodes. Journal of Power Sources, 2021, 485, 229343.	7.8	16
27	Synergistic effects of phases in the selective oxidation of isobutane over supported (NH4)3HPMo11VO40 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 293-308.	1.7	6
28	Singleâ€Phase Covalent Organic Framework Staggered Stacking Nanosheet Membrane for CO₂â€Selective Separation. Angewandte Chemie - International Edition, 2021, 60, 19047-19052.	13.8	109
29	Singleâ€Phase Covalent Organic Framework Staggered Stacking Nanosheet Membrane for CO 2 â€Selective Separation. Angewandte Chemie, 2021, 133, 19195-19200.	2.0	16
30	Single- and dual-phase capillary membranes prepared through plastic extrusion method for oxygen permeation. Ceramics International, 2021, 47, 18510-18516.	4.8	3
31	In situ Dispersed Nano-Au on Zr-Suboxides as Active Cathode for Direct CO2 Electroreduction in Solid Oxide Electrolysis Cells. Nano Letters, 2021, 21, 6952-6959.	9.1	10
32	A Highly Selective Supramolecule Array Membrane Made of Zeroâ€Dimensional Molecules for Gas Separation. Angewandte Chemie, 2021, 133, 21145-21151.	2.0	3
33	A Highly Selective Supramolecule Array Membrane Made of Zeroâ€Dimensional Molecules for Gas Separation. Angewandte Chemie - International Edition, 2021, 60, 20977-20983.	13.8	16
34	ZIF-L membrane with a membrane-interlocked-support composite architecture for H2/CO2 separation. Science Bulletin, 2021, 66, 1869-1876.	9.0	24
35	Effects of catalysts on water decomposition and hydrogen oxidation reactions in oxygen transport membrane reactors. Journal of Membrane Science, 2021, 634, 119394.	8.2	6
36	Porous carbon layers wrapped CoFe alloy for ultrastable Zn-Air batteries exceeding 20,000 charging-discharging cycles. Journal of Energy Chemistry, 2021, 61, 327-335.	12.9	44

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37	Layered MOF membranes modified with ionic liquid/AgBF4 composite for olefin/paraffin separation. Journal of Membrane Science, 2021, 639, 119771.	8.2	29
38	Recent Progress on Mixed Conducting Oxygen Transport Membrane Reactors for Water Splitting Reaction. Acta Chimica Sinica, 2021, 79, 588.	1.4	1
39	Rational design and fabrication of a novel acid-resistant UZM-5 zeolite membrane for pervaporation dehydration processes. Chemical Communications, 2021, 57, 9574-9577.	4.1	6
40	Non-noble metal catalysts coated on oxygen-permeable membrane reactors for hydrogen separation. Journal of Membrane Science, 2020, 594, 117463.	8.2	21
41	Selective removal of CO from hydrocarbon-rich industrial off-gases over CeO2-supported metal oxides. Journal of Materials Science, 2020, 55, 2321-2332.	3.7	9
42	Metal-organic framework-based CO2 capture: From precise material design to high-efficiency membranes. Frontiers of Chemical Science and Engineering, 2020, 14, 188-215.	4.4	31
43	Universally applicable kinetic model for mixed ionic-electronic conducting membranes. Chemical Engineering Science, 2020, 215, 115455.	3.8	6
44	Micro-nanostructural designs of bifunctional electrocatalysts for metal-air batteries. Chinese Journal of Catalysis, 2020, 41, 390-403.	14.0	36
45	Effect of Ru and Ni nanocatalysts on water splitting and hydrogen oxidation reactions in oxygen-permeable membrane reactors. Journal of Membrane Science, 2020, 599, 117702.	8.2	22
46	2D Metalâ€Organic Framework Materials for Membraneâ€Based Separation. Advanced Materials Interfaces, 2020, 7, 1901514.	3.7	80
47	Molecular sieving mixed matrix membranes embodying nano-fillers with extremely narrow pore-openings. Journal of Membrane Science, 2020, 601, 117880.	8.2	16
48	Iron stabilized 1/3 A-site deficient Laâ€“Tiâ€“O perovskite cathodes for efficient CO₂ electroreduction. Journal of Materials Chemistry A, 2020, 8, 21053-21061.	10.3	22
49	A permeation model study of oxygen transport kinetics of Ba x Sr 1â€x Co 0 . 8 Fe 0 . 2 O 3 â€Î´. AICHE Journal, 2020, 66, e16291.	3.6	5
50	A highâ€efficiency novel <scp>IGCCâ€OTM</scp> carbon capture power plant design. Journal of Advanced Manufacturing and Processing, 2020, 2, .	2.4	11
51	In-situ interfacial assembly of ultra-H2-permeable metal-organic framework membranes for H2/CO2 separation. Journal of Membrane Science, 2020, 611, 118419.	8.2	36
52	CO2 electroreduction enhanced by transitional layer at cathode/electrolyte interface. Journal of Power Sources, 2020, 451, 227743.	7.8	8
53	Oxygen transport kinetics affected by grain size â€“ A permeation model study. Journal of Membrane Science, 2020, 603, 118038.	8.2	12
54	<scp>Highâ€performance</scp> oxygen transport membrane reactors integrated with IGCC for carbon capture. AICHE Journal, 2020, 66, e16427.	3.6	22

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55	The roles of oxygen vacancies in electrocatalytic oxygen evolution reaction. Nano Energy, 2020, 73, 104761.	16.0	465
56	Metal-Organic Framework Membranes and Membrane Reactors: Versatile Separations and Intensified Processes. Research, 2020, 2020, 1583451.	5.7	14
57	Inâ€situâ€Methoden zur Charakterisierung elektrochemischer NiFeâ€Sauerstoffentwicklungskatalysatoren. Angewandte Chemie, 2019, 131, 1264-1277.	2.0	21
58	Application of In Situ Techniques for the Characterization of NiFeâ€Based Oxygen Evolution Reaction (OER) Electrocatalysts. Angewandte Chemie - International Edition, 2019, 58, 1252-1265.	13.8	443
59	Microstructural and Interfacial Designs of Oxygenâ€Permeable Membranes for Oxygen Separation and Reactionâ€“Separation Coupling. Advanced Materials, 2019, 31, e1902547.	21.0	53
60	Carbon molecular sieving membranes for butane isomer separation. AICHE Journal, 2019, 65, e16749.	3.6	14
61	Detrimental phase evolution triggered by Ni in perovskite-type cathodes for CO2 electroreduction. Journal of Energy Chemistry, 2019, 36, 87-94.	12.9	38
62	Alkaline-earth elements (Ca, Sr and Ba) doped LaFeO3-Î´ cathodes for CO2 electroreduction. Journal of Power Sources, 2019, 443, 227268.	7.8	67
63	Metal-organic framework nanosheets: a class of glamorous low-dimensional materials with distinct structural and chemical natures. Science China Chemistry, 2019, 62, 1561-1575.	8.2	31
64	Microwaveâ€Assisted Hydrothermal Synthesis of [Al(OH)(1,4â€NDC)] Membranes with Superior Separation Performances. Chemistry - an Asian Journal, 2019, 14, 2072-2076.	3.3	18
65	Nano-CeO₂-Modified Cathodes for Direct Electrochemical CO₂ Reduction in Solid Oxide Electrolysis Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 9629-9636.	6.7	37
66	A poly(amidoamine) nanoparticle cross-linked two-dimensional metalâ€“organic framework nanosheet membrane for water purification. Chemical Communications, 2019, 55, 3935-3938.	4.1	25
67	Effect of Bi doping on the performance of dual-phase oxygen-permeable membranes. Journal of Membrane Science, 2019, 579, 342-350.	8.2	13
68	Charge Transfer Reactions in CO 2 Electroreduction on Manganese Doped Ceria. ChemElectroChem, 2019, 6, 1668-1672.	3.4	7
69	Effects of membrane thickness and structural type on the hydrogen separation performance of oxygen-permeable membrane reactors. Journal of Membrane Science, 2019, 573, 370-376.	8.2	23
70	Asymmetric dual-phase MIEC membrane reactor for energy-efficient coproduction of two kinds of synthesis gases. International Journal of Hydrogen Energy, 2019, 44, 4218-4227.	7.1	16
71	Dualâ€phase membrane reactor for hydrogen separation with high tolerance to CO₂ and H₂S impurities. AICHE Journal, 2019, 65, 1088-1096.	3.6	31
72	One-step ionothermal synthesis of oriented molecular sieve corrosion-resistant coatings. Microporous and Mesoporous Materials, 2018, 265, 70-76.	4.4	7

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73	Effect of V-containing precursors on the structure and catalytic performance of Cs-substituted phosphomolybdates for isobutane oxidation. Applied Catalysis A: General, 2018, 556, 104-112.	4.3	15
74	Unique role of MÃ¶ssbauer spectroscopy in assessing structural features of heterogeneous catalysts. Applied Catalysis B: Environmental, 2018, 224, 518-532.	20.2	83
75	Polyoxometalate catalysts with co-substituted VO2+ and transition metals and their catalytic performance for the oxidation of isobutane. Catalysis Science and Technology, 2018, 8, 5774-5781.	4.1	10
76	Structure and electrochemical properties of cobalt-free perovskite cathode materials for intermediate-temperature solid oxide fuel cells. Electrochimica Acta, 2018, 279, 224-230.	5.2	33
77	Metal-organic framework-based mixed matrix membranes: Synergetic effect of adsorption and diffusion for CO2/CH4 separation. Journal of Membrane Science, 2018, 562, 76-84.	8.2	81
78	Highly Efficient Removal of CO in Effluent Streams from Realâ€Life Propane Oxidation Process over CuOâ^'CeO 2 â^'Based Catalysts. ChemCatChem, 2018, 10, 4292-4299.	3.7	5
79	Adsorption of Biomass-Derived Polyols onto Metalâ€“Organic Frameworks from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2018, 57, 11963-11969.	3.7	18
80	Insights into the interplay between electric fields and microstructures of AEL films under ionothermal conditions. Chemical Communications, 2017, 53, 1836-1839.	4.1	3
81	Electrochemical reduction of CO 2 in solid oxide electrolysis cells. Journal of Energy Chemistry, 2017, 26, 593-601.	12.9	108
82	Oxygen evolution reaction over Fe site of BaZr x Fe 1-x O 3-Î´ perovskite oxides. Electrochimica Acta, 2017, 241, 433-439.	5.2	67
83	Layered Fe-Substituted LiNiO₂ Electrocatalysts for High-Efficiency Oxygen Evolution Reaction. ACS Energy Letters, 2017, 2, 1654-1660.	17.4	46
84	Microstructural Engineering and Architectural Design of Metalâ€“Organic Framework Membranes. Advanced Materials, 2017, 29, 1606949.	21.0	150
85	Twoâ€Dimensional Metalâ€“Organic Framework Nanosheets for Membraneâ€Based Gas Separation. Angewandte Chemie - International Edition, 2017, 56, 9757-9761.	13.8	371
86	Twoâ€Dimensional Metalâ€“Organic Framework Nanosheets for Membraneâ€Based Gas Separation. Angewandte Chemie, 2017, 129, 9889-9893.	2.0	298
87	Selection of oxygen permeation models for different mixed ionicâ€electronic conducting membranes. AICHE Journal, 2017, 63, 4043-4053.	3.6	33
88	Atomic-scale topochemical preparation of crystalline Fe³⁺-doped Î²-Ni(OH)₂ for an ultrahigh-rate oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 7753-7758.	10.3	80
89	Gas separation performance of supported carbon molecular sieve membranes based on soluble polybenzimidazole. Journal of Membrane Science, 2017, 533, 1-10.	8.2	41
90	Perovskites decorated with oxygen vacancies and Feâ€“Ni alloy nanoparticles as high-efficiency electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 19836-19845.	10.3	141

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91	Oxidative dehydrogenation of n-butane to butenes on Mo-doped VMgO catalysts. RSC Advances, 2017, 7, 34131-34137.	3.6	9
92	Mixed Conducting Ceramic Membranes. Green Chemistry and Sustainable Technology, 2017, , .	0.7	35
93	Perovskite-Type MIEC Membranes. Green Chemistry and Sustainable Technology, 2017, , 179-226.	0.7	0
94	H₂S-tolerant oxygen-permeable ceramic membranes for hydrogen separation with a performance comparable to those of palladium-based membranes. Energy and Environmental Science, 2017, 10, 101-106.	30.8	53
95	Highâ€rate hydrogen separation using an MIEC oxygen permeable membrane reactor. AICHE Journal, 2017, 63, 1278-1286.	3.6	28
96	Defects and Diffusion. Green Chemistry and Sustainable Technology, 2017, , 11-48.	0.7	1
97	Fabrication and Characterization of MIEC Membranes. Green Chemistry and Sustainable Technology, 2017, , 95-143.	0.7	1
98	Dual-Phase MIEC Membranes. Green Chemistry and Sustainable Technology, 2017, , 227-269.	0.7	2
99	Progress on the Commercialization of MIEC Membrane Technology. Green Chemistry and Sustainable Technology, 2017, , 351-367.	0.7	0
100	Ionic Conductors and Aspects Related to High Temperature. Green Chemistry and Sustainable Technology, 2017, , 49-93.	0.7	0
101	Oxygen Permeation at Intermediateâ€“Low Temperatures. Green Chemistry and Sustainable Technology, 2017, , 271-305.	0.7	0
102	Catalytic Reactions in MIEC Membrane Reactors. Green Chemistry and Sustainable Technology, 2017, , 307-350.	0.7	0
103	Integration of Nine Steps into One Membrane Reactor To Produce Synthesis Gases for Ammonia and Liquid Fuel. Angewandte Chemie, 2016, 128, 8708-8712.	2.0	7
104	Integration of Nine Steps into One Membrane Reactor To Produce Synthesis Gases for Ammonia and Liquid Fuel. Angewandte Chemie - International Edition, 2016, 55, 8566-8570.	13.8	33
105	Oxygen transport kinetics of MIEC membranes coated with different catalysts. AICHE Journal, 2016, 62, 2803-2812.	3.6	15
106	Gel-type shell contributing to the high proton conductivity of pyrophosphates. Ceramics International, 2016, 42, 9913-9920.	4.8	3
107	A novel CAU-10-H MOF membrane for hydrogen separation under hydrothermal conditions. Journal of Membrane Science, 2016, 513, 40-46.	8.2	46
108	Improving oxygen permeation of MIEC membrane reactor by enhancing the electronic conductivity under intermediate-low oxygen partial pressures. Journal of Membrane Science, 2016, 520, 607-615.	8.2	47

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109	Enhancement of oxygen evolution performance through synergetic action between NiFe metal core and NiFeOx shell. Chemical Communications, 2016, 52, 11803-11806.	4.1	40
110	High performance carbon molecular sieving membranes derived from pyrolysis of metalâ€“organic framework ZIF-108 doped polyimide matrices. Chemical Communications, 2016, 52, 13779-13782.	4.1	22
111	Conversion of xylose into furfural in a MOF-based mixed matrix membrane reactor. Chemical Engineering Journal, 2016, 305, 12-18.	12.7	39
112	Stability of sulfate doped SrCoO 3â^'Î´ MIEC membrane. Journal of Membrane Science, 2016, 501, 53-59.	8.2	18
113	A â€œcopolymer-co-morphologyâ€•conception for shape-controlled synthesis of Prussian blue analogues and as-derived spinel oxides. Nanoscale, 2016, 8, 2333-2342.	5.6	53
114	Dual-ligand zeolitic imidazolate framework crystals and oriented films derived from metastable mono-ligand ZIF-108. Microporous and Mesoporous Materials, 2016, 219, 190-198.	4.4	22
115	One-pot synthesis of NiAlâ€“CO₃LDH anti-corrosion coatings from CO₂-saturated precursors. RSC Advances, 2015, 5, 29552-29557.	3.6	36
116	Degradation mechanism analysis of Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3â€Î´} membranes at intermediateâ€low temperatures. AICHE Journal, 2015, 61, 3879-3888.	3.6	32
117	Inâ€…Situ Electrochemical Synthesis of Oriented and Defectâ€Free AEL Molecularâ€Sieve Films Using Ionic Liquids. Angewandte Chemie - International Edition, 2015, 54, 13032-13035.	13.8	18
118	Confinement of Ionic Liquids in Nanocages: Tailoring the Molecular Sieving Properties of ZIFâ€8 for Membraneâ€Based CO₂ Capture. Angewandte Chemie - International Edition, 2015, 54, 15483-15487.	13.8	303
119	Significantly Enhanced Separation using ZIFâ€8 Membranes by Partial Conversion of Calcined Layered Double Hydroxide Precursors. ChemSusChem, 2015, 8, 3582-3586.	6.8	44
120	Asymmetric dual-phase membranes prepared via tape-casting and co-lamination for oxygen permeation. Materials Letters, 2015, 147, 88-91.	2.6	34
121	Pd and Pdâ€“Ni alloy composite membranes fabricated by electroless plating method on capillary Î±-Al2O3 substrates. International Journal of Hydrogen Energy, 2015, 40, 3548-3556.	7.1	27
122	Mixed-matrix membranes containing functionalized porous metalâ€“organic polyhedrons for the effective separation of CO₂â€“CH₄ mixture. Chemical Communications, 2015, 51, 4249-4251.	4.1	72
123	Mixed matrix membranes incorporated with amine-functionalized titanium-based metal-organic framework for CO2/CH4 separation. Journal of Membrane Science, 2015, 478, 130-139.	8.2	140
124	Degradation and stabilization of perovskite membranes containing silicon impurity at low temperature. Journal of Membrane Science, 2015, 492, 173-180.	8.2	12
125	Molecular sieve membranes: From 3D zeolites to 2D MOFs. Chinese Journal of Catalysis, 2015, 36, 692-697.	14.0	23
126	Nanoparticles at Grain Boundaries Inhibit the Phase Transformation of Perovskite Membrane. Nano Letters, 2015, 15, 7678-7683.	9.1	42

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127	Catalytic oxidative dehydrogenation of n-butane over V2O5/MO-Al2O3 (M = Mg, Ca, Sr, Ba) catalysts. Chinese Journal of Catalysis, 2015, 36, 1060-1067.	14.0	15
128	Enhanced performance of solid oxide fuel cells by introducing a transition layer between nanostructured cathode and electrolyte. International Journal of Hydrogen Energy, 2015, 40, 501-508.	7.1	7
129	Mixed ionic-electronic conducting (MIEC) membranes for hydrogen production from water splitting. International Journal of Hydrogen Energy, 2015, 40, 3452-3461.	7.1	51
130	Recovery of HMF from aqueous solution by zeolitic imidazolate frameworks. Chemical Engineering Science, 2015, 124, 170-178.	3.8	58
131	Metal-organic framework nanosheets as building blocks for molecular sieving membranes. Science, 2014, 346, 1356-1359.	12.6	1,432
132	Comparative permeation studies on three supported membranes: Pure ZIF-8, pure polymethylphenylsiloxane, and mixed matrix membranes. Microporous and Mesoporous Materials, 2014, 189, 210-215.	4.4	44
133	Metalâ€Substituted Zeolitic Imidazolate Framework ZIFâ€108: Gasâ€Sorption and Membraneâ€Separation Properties. Chemistry - A European Journal, 2014, 20, 11402-11409.	3.3	75
134	Single Crystal (Mn,Co)3O4 Octahedra for Highly Efficient Oxygen Reduction Reactions. Electrochimica Acta, 2014, 144, 31-41.	5.2	35
135	New Membrane Architecture with High Performance: ZIF-8 Membrane Supported on Vertically Aligned ZnO Nanorods for Gas Permeation and Separation. Chemistry of Materials, 2014, 26, 1975-1981.	6.7	199
136	Synthesis of zeolitic imidazolate framework nanocrystals. Materials Letters, 2014, 136, 341-344.	2.6	12
137	Comparative investigation of dual-phase membranes containing cobalt and iron-based mixed conducting perovskite for oxygen permeation. Journal of Membrane Science, 2014, 462, 170-177.	8.2	32
138	Ce0.85Sm0.15O1.925â€“Sm0.6Sr0.4Al0.3Fe0.7O3 dual-phase membranes: One-pot synthesis and stability in a CO2 atmosphere. Solid State Ionics, 2013, 253, 57-63.	2.7	67
139	Improvement of hydrothermal stability of zeolitic imidazolate frameworks. Chemical Communications, 2013, 49, 9140.	4.1	241
140	Electrochemical performances of spinel oxides as cathodes for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2013, 38, 1052-1057.	7.1	40
141	Li3V2(PO4)3@C/graphene composite with improved cycling performance as cathode material for lithium-ion batteries. Electrochimica Acta, 2013, 91, 108-113.	5.2	49
142	Solvothermal synthesis of mixed-ligand metalâ€organic framework ZIF-78 with controllable size and morphology. Microporous and Mesoporous Materials, 2013, 173, 29-36.	4.4	76
143	Oxygen permeation through Ca-contained dual-phase membranes for oxyfuel CO2 capture. Separation and Purification Technology, 2013, 114, 31-37.	7.9	36
144	High rate capability of TiO2/nitrogen-doped graphene nanocomposite as an anode material for lithiumâ€ion batteries. Journal of Alloys and Compounds, 2013, 561, 54-58.	5.5	79

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145	Superhigh capacity and rate capability of high-level nitrogen-doped graphene sheets as anode materials for lithium-ion batteries. Electrochimica Acta, 2013, 90, 492-497.	5.2	114
146	Dense ceramic oxygen permeable membranes and catalytic membrane reactors. Chemical Engineering Journal, 2013, 220, 185-203.	12.7	177
147	Stabilization of Lowâ€Temperature Degradation in Mixed Ionic and Electronic Conducting Perovskite Oxygen Permeation Membranes. Angewandte Chemie - International Edition, 2013, 52, 3232-3236.	13.8	59
148	Metalâ€“organic framework ZIF-8 nanocomposite membrane for efficient recovery of furfural via pervaporation and vapor permeation. Journal of Membrane Science, 2013, 428, 498-506.	8.2	130
149	Preparation of Silicalite-1 Membranes with Seeding Method and its Separation Performance for Low Ethanol/Water Mixture. Advanced Materials Research, 2013, 807-809, 591-595.	0.3	0
150	Preparation of Silicalite-1 Membranes on Î±-Al₂O₃ Tubes and its Concentration Performance of Low Ethanol/water Mixtures. Advanced Materials Research, 2012, 608-609, 1337-1341.	0.3	0
151	Stability and Transport Conductivity of Perovskite Type BaZr_xCe_{0.8-x}Nd_{0.2}O_{3-Î´}. Advanced Materials Research, 2012, 554-556, 404-407.	0.3	8
152	Novel dual-phase membranes for CO₂capture via an oxyfuel route. Chemical Communications, 2012, 48, 251-253.	4.1	131
153	Suppression of twins in b-oriented MFI molecular sieve films under microwave irradiation. Chemical Communications, 2012, 48, 6782.	4.1	39
154	Remarkable dependence of electrochemical performance of SrCo0.8Fe0.2O3-Î´ on A-site nonstoichiometry. Physical Chemistry Chemical Physics, 2012, 14, 7234.	2.8	21
155	Permeation model and experimental investigation of mixed conducting membranes. AICHE Journal, 2012, 58, 1744-1754.	3.6	60
156	High-performance low-temperature solid oxide fuel cells using thin proton-conducting electrolyte with novel cathode. International Journal of Hydrogen Energy, 2012, 37, 8635-8640.	7.1	22
157	High specific capacity of TiO2-graphene nanocomposite as an anode material for lithium-ion batteries in an enlarged potential window. Electrochimica Acta, 2012, 74, 65-72.	5.2	79
158	Design and experimental investigation of oxide ceramic dual-phase membranes. Journal of Membrane Science, 2012, 394-395, 120-130.	8.2	37
159	Synthesis of LiFePO4/C composite as a cathode material for lithium-ion battery by a novel two-step method. Journal of Materials Science, 2012, 47, 3076-3081.	3.7	29
160	Novel Mn_{1.5}Co_{1.5}O₄spinel cathodes for intermediate temperature solid oxidefuel cells. Chemical Communications, 2011, 47, 2378-2380.	4.1	53
161	Phase-Segregation-Induced Self-Assembly of Anisotropic MFI Microbuilding Blocks into Compact and Highly b-Oriented Monolayers. Langmuir, 2011, 27, 2327-2333.	3.5	23
162	Critical Factors Affecting Oxygen Permeation Through Dual-phase Membranes. Membrane Science and Technology, 2011, , 275-293.	0.5	10

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