

# Weishen Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2210501/publications.pdf>

Version: 2024-02-01

364  
papers

22,879  
citations

9254

74  
h-index

11047

137  
g-index

378  
all docs

378  
docs citations

378  
times ranked

16443  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework nanosheets as building blocks for molecular sieving membranes. <i>Science</i> , 2014, 346, 1356-1359.	6.0	1,432
2	Investigation of the permeation behavior and stability of a Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\lambda</math></sub> oxygen membrane. <i>Journal of Membrane Science</i> , 2000, 172, 177-188.	4.1	983
3	Large reversible capacity of high quality graphene sheets as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2010, 55, 3909-3914.	2.6	983
4	Molecular Sieve Membrane: Supported Metal-Organic Framework with High Hydrogen Selectivity. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 548-551.	7.2	555
5	The roles of oxygen vacancies in electrocatalytic oxygen evolution reaction. <i>Nano Energy</i> , 2020, 73, 104761.	8.2	465
6	Application of In Situ Techniques for the Characterization of NiFe-Based Oxygen Evolution Reaction (OER) Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1252-1265.	7.2	443
7	Zeolitic imidazolate framework ZIF-7 based molecular sieve membrane for hydrogen separation. <i>Journal of Membrane Science</i> , 2010, 354, 48-54.	4.1	440
8	Enhanced cycling performance of Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2010, 56, 834-840.	2.6	389
9	Controllable Synthesis of Metal-Organic Frameworks: From MOF Nanorods to Oriented MOF Membranes. <i>Advanced Materials</i> , 2010, 22, 3322-3326.	11.1	376
10	High reversible capacity of SnO <sub>2</sub> /graphene nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 4532-4539.	2.6	376
11	Two-Dimensional Metal-Organic Framework Nanosheets for Membrane-Based Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9757-9761.	7.2	371
12	A study by in situ techniques of the thermal evolution of the structure of a Mg-Al-CO <sub>3</sub> layered double hydroxide. <i>Chemical Engineering Science</i> , 2002, 57, 2945-2953.	1.9	342
13	An Organophilic Pervaporation Membrane Derived from Metal-Organic Framework Nanoparticles for Efficient Recovery of Bio-Alcohols. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10636-10639.	7.2	310
14	Microwave synthesis of zeolite membranes: A review. <i>Journal of Membrane Science</i> , 2008, 316, 3-17.	4.1	304
15	Confinement of Ionic Liquids in Nanocages: Tailoring the Molecular Sieving Properties of ZIF-8 for Membrane-Based CO <sub>2</sub> Capture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15483-15487.	7.2	303
16	Two-Dimensional Metal-Organic Framework Nanosheets for Membrane-Based Gas Separation. <i>Angewandte Chemie</i> , 2017, 129, 9889-9893.	1.6	298
17	Ba effect in doped Sr(Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>3-<math>\lambda</math></sub> on the phase structure and oxygen permeation properties of the dense ceramic membranes. <i>Separation and Purification Technology</i> , 2001, 25, 419-429.	3.9	267
18	Improvement of hydrothermal stability of zeolitic imidazolate frameworks. <i>Chemical Communications</i> , 2013, 49, 9140.	2.2	241

#	ARTICLE	IF	CITATIONS
19	Performance of a mixed-conducting ceramic membrane reactor with high oxygen permeability for methane conversion. <i>Journal of Membrane Science</i> , 2001, 183, 181-192.	4.1	237
20	Molecular Sieving MFI-Type Zeolite Membranes for Pervaporation Separation of Xylene Isomers. <i>Journal of the American Chemical Society</i> , 2004, 126, 4776-4777.	6.6	222
21	Synthesis of a High-Permeance NaA Zeolite Membrane by Microwave Heating. <i>Advanced Materials</i> , 2000, 12, 195-198.	11.1	217
22	Investigation of ideal zirconium-doped perovskite-type ceramic membrane materials for oxygen separation. <i>Journal of Membrane Science</i> , 2002, 203, 175-189.	4.1	212
23	Investigation of a Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> based cathode IT-SOFC. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 64-71.	10.8	204
24	New Membrane Architecture with High Performance: ZIF-8 Membrane Supported on Vertically Aligned ZnO Nanorods for Gas Permeation and Separation. <i>Chemistry of Materials</i> , 2014, 26, 1975-1981.	3.2	199
25	Dense ceramic oxygen permeable membranes and catalytic membrane reactors. <i>Chemical Engineering Journal</i> , 2013, 220, 185-203.	6.6	177
26	Oxygen permeation study in a tubular Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> oxygen permeable membrane. <i>Journal of Membrane Science</i> , 2002, 210, 259-271.	4.1	174
27	Synthesis and properties of A-type zeolite membranes by secondary growth method with vacuum seeding. <i>Journal of Membrane Science</i> , 2004, 245, 41-51.	4.1	162
28	Synthesis, oxygen permeation study and membrane performance of a Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> oxygen-permeable dense ceramic reactor for partial oxidation of methane to syngas. <i>Separation and Purification Technology</i> , 2001, 25, 97-116.	3.9	160
29	Investigation on the partial oxidation of methane to syngas in a tubular Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> membrane reactor. <i>Catalysis Today</i> , 2003, 82, 157-166.	2.2	157
30	Structural stability and oxygen permeability of cerium lightly doped BaFeO <sub>3-<math>\delta</math></sub> ceramic membranes. <i>Solid State Ionics</i> , 2006, 177, 2917-2921.	1.3	150
31	Microstructural Engineering and Architectural Design of Metal-Organic Framework Membranes. <i>Advanced Materials</i> , 2017, 29, 1606949.	11.1	150
32	Development and Application of Oxygen Permeable Membrane in Selective Oxidation of Light Alkanes. <i>Topics in Catalysis</i> , 2005, 35, 155-167.	1.3	148
33	Perovskites decorated with oxygen vacancies and Fe-Ni alloy nanoparticles as high-efficiency electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19836-19845.	5.2	141
34	Mixed matrix membranes incorporated with amine-functionalized titanium-based metal-organic framework for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Journal of Membrane Science</i> , 2015, 478, 130-139.	4.1	140
35	Corrosion Resistant High-Silica-Zeolite MFI Coating. <i>Journal of the Electrochemical Society</i> , 2006, 153, B325.	1.3	139
36	Superior cycle performance of Sn@C/graphene nanocomposite as an anode material for lithium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1400-1404.	1.4	138

#	ARTICLE	IF	CITATIONS
37	Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> as a cathode for IT-SOFCs with a GDC interlayer. Journal of Power Sources, 2006, 160, 57-64.	4.0	136
38	Relationship between transport properties and phase transformations in mixed-conducting oxides. Journal of Solid State Chemistry, 2006, 179, 362-369.	1.4	136
39	Novel dual-phase membranes for CO <sub>2</sub> capture via an oxyfuel route. Chemical Communications, 2012, 48, 251-253.	2.2	131
40	Metal-organic framework ZIF-8 nanocomposite membrane for efficient recovery of furfural via pervaporation and vapor permeation. Journal of Membrane Science, 2013, 428, 498-506.	4.1	130
41	Novel and Ideal Zirconium-Based Dense Membrane Reactors for Partial Oxidation of Methane to Syngas. Catalysis Letters, 2002, 78, 129-137.	1.4	121
42	Microwave synthesis of LTA zeolite membranes without seeding. Journal of Membrane Science, 2006, 277, 230-239.	4.1	121
43	Microwave-assisted hydrothermal synthesis of hydroxy-sodalite zeolite membrane. Microporous and Mesoporous Materials, 2004, 75, 173-181.	2.2	119
44	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.	2.6	114
45	Novel cobalt-free oxygen permeable membrane. Chemical Communications, 2004, , 1130.	2.2	110
46	Investigation on POM reaction in a new perovskite membrane reactor. Catalysis Today, 2001, 67, 3-13.	2.2	109
47	Single-Phase Covalent Organic Framework Staggered Stacking Nanosheet Membrane for CO <sub>2</sub> -Selective Separation. Angewandte Chemie - International Edition, 2021, 60, 19047-19052.	7.2	109
48	Electrochemical reduction of CO <sub>2</sub> in solid oxide electrolysis cells. Journal of Energy Chemistry, 2017, 26, 593-601.	7.1	108
49	Hierarchical Growth of Large-Scale Ordered Zeolite Silicalite-1 Membranes with High Permeability and Selectivity for Recycling CO <sub>2</sub> . Angewandte Chemie - International Edition, 2006, 45, 7053-7056.	7.2	105
50	Preparation of titania-based catalysts for formaldehyde photocatalytic oxidation from TiCl <sub>4</sub> by the sol-gel method. Catalysis Today, 2001, 68, 89-95.	2.2	104
51	Composite membrane based on ionic conductor and mixed conductor for oxygen permeation. AIChE Journal, 2008, 54, 665-672.	1.8	104
52	Fabrication of Highly <i>b</i> -Oriented MFI Film with Molecular Sieving Properties by Controlled In-Plane Secondary Growth. Journal of the American Chemical Society, 2010, 132, 1768-1769.	6.6	104
53	Oxygen permeation and partial oxidation of methane in dual-phase membrane reactors. Journal of Membrane Science, 2010, 360, 454-460.	4.1	102
54	Oxidative coupling of methane in Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> tubular membrane reactors. Catalysis Today, 2005, 104, 160-167.	2.2	100

#	ARTICLE	IF	CITATIONS
55	Direct ammonia solid oxide fuel cell based on thin proton-conducting electrolyte. <i>Journal of Power Sources</i> , 2008, 179, 92-95.	4.0	98
56	Synthesis and oxygen permeation study of novel perovskite-type $\text{Ba}_{0.8}\text{Bi}_{0.2}\text{Co}_{0.2}\text{Fe}_{0.8-x}\text{O}_{3-\delta}$ ceramic membranes. <i>Journal of Membrane Science</i> , 2000, 164, 167-176.	4.1	97
57	A modified electroless plating technique for thin dense palladium composite membranes with enhanced stability. <i>Journal of Membrane Science</i> , 2008, 314, 226-237.	4.1	96
58	High selectivity of oxidative dehydrogenation of ethane to ethylene in an oxygen permeable membrane reactor. Electronic supplementary information (ESI) available: experimental section. See <a href="http://www.rsc.org/suppdata/cc/b2/b203168j/">http://www.rsc.org/suppdata/cc/b2/b203168j/</a> . <i>Chemical Communications</i> , 2002, , 1468-1469.	2.2	95
59	Synthesis of NaA zeolite membranes from clear solution. <i>Microporous and Mesoporous Materials</i> , 2001, 43, 299-311.	2.2	92
60	Experimental and modeling studies on $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ (BSCF) tubular membranes for air separation. <i>Journal of Membrane Science</i> , 2004, 243, 405-415.	4.1	92
61	Synthesis of NaA zeolite membrane by microwave heating. <i>Separation and Purification Technology</i> , 2001, 25, 241-249.	3.9	87
62	Hydrothermal stability of LTA zeolite membranes in pervaporation. <i>Journal of Membrane Science</i> , 2007, 297, 10-15.	4.1	86
63	Layer-by-layer assembly of $\text{TiO}_2$ colloids onto diatomite to build hierarchical porous materials. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 326-331.	5.0	83
64	Capillary supported ultrathin homogeneous silicalite-poly(dimethylsiloxane) nanocomposite membrane for bio-butanol recovery. <i>Journal of Membrane Science</i> , 2011, 369, 228-232.	4.1	83
65	Unique role of Mössbauer spectroscopy in assessing structural features of heterogeneous catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 518-532.	10.8	83
66	Stainless-Steel-Net-Supported Zeolite NaA Membrane with High Permeance and High Permselectivity of Oxygen over Nitrogen. <i>Advanced Materials</i> , 2005, 17, 2006-2010.	11.1	82
67	Metal-organic framework-based mixed matrix membranes: Synergetic effect of adsorption and diffusion for $\text{CO}_2/\text{CH}_4$ separation. <i>Journal of Membrane Science</i> , 2018, 562, 76-84.	4.1	81
68	Oxygen permeability and structural stability of $\text{BaCe}_{0.15}\text{Fe}_{0.85}\text{O}_{3-\delta}$ membranes. <i>Journal of Membrane Science</i> , 2006, 283, 38-44.	4.1	80
69	Atomic-scale topochemical preparation of crystalline $\text{Fe}^{3+}$ -doped $\text{Ni}(\text{OH})_2$ for an ultrahigh-rate oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7753-7758.	5.2	80
70	2D Metal-Organic Framework Materials for Membrane-Based Separation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901514.	1.9	80
71	High specific capacity of $\text{TiO}_2$ -graphene nanocomposite as an anode material for lithium-ion batteries in an enlarged potential window. <i>Electrochimica Acta</i> , 2012, 74, 65-72.	2.6	79
72	High rate capability of $\text{TiO}_2$ /nitrogen-doped graphene nanocomposite as an anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2013, 561, 54-58.	2.8	79

#	ARTICLE	IF	CITATIONS
73	Deactivation studies over NiO/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts for partial oxidation of methane to syngas. Catalysis Today, 2000, 63, 517-522.	2.2	78
74	Partial oxidation of methane in Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\lambda</math></sub> membrane reactor at high pressures. Catalysis Today, 2005, 104, 154-159.	2.2	76
75	Relationship between homogeneity and oxygen permeability of composite membranes. Journal of Membrane Science, 2008, 309, 120-127.	4.1	76
76	Solvothermal synthesis of mixed-ligand metal-organic framework ZIF-78 with controllable size and morphology. Microporous and Mesoporous Materials, 2013, 173, 29-36.	2.2	76
77	Metal-Substituted Zeolitic Imidazolate Framework ZIF-108: Gas Sorption and Membrane Separation Properties. Chemistry - A European Journal, 2014, 20, 11402-11409.	1.7	75
78	Preparation of novel uniform mesoporous alumina catalysts by the sol-gel method. Catalysis Today, 2001, 68, 97-109.	2.2	74
79	Mixed-matrix membranes containing functionalized porous metal-organic polyhedrons for the effective separation of CO <sub>2</sub> /CH <sub>4</sub> mixture. Chemical Communications, 2015, 51, 4249-4251.	2.2	72
80	Preparation of silicalite-1 membrane by solution-filling method and its alcohol extraction properties. Journal of Membrane Science, 2007, 296, 122-130.	4.1	71
81	A novel Fe <sub>3</sub> O <sub>4</sub> /SnO <sub>2</sub> /graphene ternary nanocomposite as an anode material for lithium-ion batteries. Electrochimica Acta, 2011, 58, 81-88.	2.6	71
82	Synthesis of NaA zeolite membrane on a ceramic hollow fiber. Journal of Membrane Science, 2004, 229, 81-85.	4.1	69
83	Microwave-assisted hydrothermal synthesis of a&b-oriented zeolite T membranes and their pervaporation properties. Separation and Purification Technology, 2009, 65, 164-172.	3.9	69
84	Ce <sub>0.85</sub> Sm <sub>0.15</sub> O <sub>1.925</sub> /Sm <sub>0.6</sub> Sr <sub>0.4</sub> Al <sub>0.3</sub> Fe <sub>0.7</sub> O <sub>3</sub> dual-phase membranes: One-pot synthesis and stability in a CO <sub>2</sub> atmosphere. Solid State Ionics, 2013, 253, 57-63.	1.3	67
85	Oxygen evolution reaction over Fe site of BaZr <sub>x</sub> Fe <sub>1-x</sub> O <sub>3-<math>\lambda</math></sub> perovskite oxides. Electrochimica Acta, 2017, 241, 433-439.	2.6	67
86	Alkaline-earth elements (Ca, Sr and Ba) doped LaFeO <sub>3-<math>\lambda</math></sub> cathodes for CO <sub>2</sub> electroreduction. Journal of Power Sources, 2019, 443, 227268.	4.0	67
87	Oxygen permeability and stability of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\lambda</math></sub> as an oxygen-permeable membrane at high pressures. Solid State Ionics, 2006, 177, 595-600.	1.3	66
88	Syngas generation in a membrane reactor with a highly stable ceramic composite membrane. Catalysis Communications, 2008, 10, 309-312.	1.6	65
89	Operation of perovskite membrane under vacuum and elevated pressures for high-purity oxygen production. Journal of Membrane Science, 2009, 345, 47-52.	4.1	65
90	Synthesis, characterization and single gas permeation properties of NaA zeolite membrane. Journal of Membrane Science, 2005, 249, 51-64.	4.1	64

#	ARTICLE	IF	CITATIONS
91	Effect of carbon dioxide on the reaction performance of partial oxidation of methane over a LiLaNiO <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst. Applied Catalysis A: General, 2000, 202, 141-146.	2.2	60
92	Permeation model and experimental investigation of mixed conducting membranes. AIChE Journal, 2012, 58, 1744-1754.	1.8	60
93	Formation mechanism of microwave synthesized LTA zeolite membranes. Journal of Membrane Science, 2006, 281, 646-657.	4.1	59
94	Stabilization of Low-Temperature Degradation in Mixed Ionic and Electronic Conducting Perovskite Oxygen Permeation Membranes. Angewandte Chemie - International Edition, 2013, 52, 3232-3236.	7.2	59
95	Recovery of HMF from aqueous solution by zeolitic imidazolate frameworks. Chemical Engineering Science, 2015, 124, 170-178.	1.9	58
96	Synthesis of zeolite NaA membranes with high permeance under microwave radiation on mesoporous-layer-modified macroporous substrates for gas separation. Journal of Membrane Science, 2005, 255, 201-211.	4.1	57
97	Performance of an anode-supported tubular solid oxide fuel cell (SOFC) under pressurized conditions. Electrochimica Acta, 2008, 53, 5195-5198.	2.6	57
98	Preparation and hydrogen permeation of SrCe <sub>0.95</sub> Y <sub>0.05</sub> O <sub>3-δ</sub> asymmetrical membranes. Journal of Membrane Science, 2009, 340, 241-248.	4.1	56
99	The effect of co-existing nitrogen on hydrogen permeation through thin Pd composite membranes. Separation and Purification Technology, 2007, 54, 262-271.	3.9	55
100	Partial oxidation of methane in BaCe <sub>0.1</sub> Co <sub>0.4</sub> Fe <sub>0.5</sub> O <sub>3-δ</sub> membrane reactor. Catalysis Today, 2010, 149, 185-190.	2.2	53
101	Novel Mn <sub>1.5</sub> Co <sub>1.5</sub> O <sub>4</sub> spinel cathodes for intermediate temperature solid oxide fuel cells. Chemical Communications, 2011, 47, 2378-2380.	2.2	53
102	A copolymer-co-morphology conception for shape-controlled synthesis of Prussian blue analogues and as-derived spinel oxides. Nanoscale, 2016, 8, 2333-2342.	2.8	53
103	H <sub>2</sub> -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.	15.6	53
104	Microstructural and Interfacial Designs of Oxygen-Permeable Membranes for Oxygen Separation and Reaction Separation Coupling. Advanced Materials, 2019, 31, e1902547.	11.1	53
105	Synthesis and pervaporation properties of NaA zeolite membranes prepared with vacuum-assisted method. Separation and Purification Technology, 2007, 56, 158-167.	3.9	52
106	Hydrogen transport through thin palladium-copper alloy composite membranes at low temperatures. Thin Solid Films, 2008, 516, 1849-1856.	0.8	52
107	Nanocomposite MFI-alumina membranes via pore-plugging synthesis: Genesis of the zeolite material. Journal of Membrane Science, 2008, 325, 973-981.	4.1	52
108	Partial oxidation of methane to syngas in BaCe <sub>0.15</sub> Fe <sub>0.85</sub> O <sub>3-δ</sub> membrane reactors. Catalysis Letters, 2006, 111, 179-185.	1.4	51

#	ARTICLE	IF	CITATIONS
109	Mixed ionic-electronic conducting (MIEC) membranes for hydrogen production from water splitting. International Journal of Hydrogen Energy, 2015, 40, 3452-3461.	3.8	51
110	Title is missing!. Catalysis Letters, 2002, 84, 101-106.	1.4	49
111	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C/graphene composite with improved cycling performance as cathode material for lithium-ion batteries. Electrochimica Acta, 2013, 91, 108-113.	2.6	49
112	The current status of high temperature electrochemistry-based CO <sub>2</sub> transport membranes and reactors for direct CO <sub>2</sub> capture and conversion. Progress in Energy and Combustion Science, 2021, 82, 100888.	15.8	49
113	Roadmap for Sustainable Mixed Ionic&Electronic Conducting Membranes. Advanced Functional Materials, 2022, 32, .	7.8	49
114	Surface structure and catalytic performance of supported PtSn catalysts. Catalysis Letters, 1992, 12, 267-275.	1.4	48
115	Structure and oxygen permeability of a dual-phase membrane. Journal of Membrane Science, 2003, 224, 107-115.	4.1	48
116	A Direct Ammonia Tubular Solid Oxide Fuel Cell. Chinese Journal of Catalysis, 2007, 28, 749-751.	6.9	48
117	Diatomite as high performance and environmental friendly catalysts for phenol hydroxylation with H <sub>2</sub> O <sub>2</sub> . Science and Technology of Advanced Materials, 2007, 8, 106-109.	2.8	48
118	Microwave synthesis of high performance FAU-type zeolite membranes: Optimization, characterization and pervaporation dehydration of alcohols. Journal of Membrane Science, 2009, 337, 47-54.	4.1	48
119	Synthesis and gas permeation properties of an NaA zeolite membrane. Chemical Communications, 2000, , 603-604.	2.2	47
120	Selective Oxidation of Methane to Syngas over NiO/Barium Hexaaluminate. Catalysis Letters, 2001, 74, 139-144.	1.4	47
121	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.	4.1	47
122	Investigation on the structure stability and oxygen permeability of titanium-doped perovskite-type oxides of BaTi <sub>0.2</sub> CoxFe <sub>0.8-x</sub> O <sub>3-<math>\delta</math></sub> (x=0.2&0.6). Separation and Purification Technology, 2003, 32, 289-299.	3.9	46
123	In situ high temperature X-ray diffraction studies of mixed ionic and electronic conducting perovskite-type membranes. Materials Letters, 2005, 59, 3750-3755.	1.3	46
124	A novel CAU-10-H MOF membrane for hydrogen separation under hydrothermal conditions. Journal of Membrane Science, 2016, 513, 40-46.	4.1	46
125	Layered Fe-Substituted LiNiO <sub>2</sub> Electro catalysts for High-Efficiency Oxygen Evolution Reaction. ACS Energy Letters, 2017, 2, 1654-1660.	8.8	46
126	Pervaporation and vapor permeation dehydration of Fischer&Tropsch mixed-alcohols by LTA zeolite membranes. Separation and Purification Technology, 2007, 57, 140-146.	3.9	44

#	ARTICLE	IF	CITATIONS
127	Single-step fabrication of asymmetric dual-phase composite membranes for oxygen separation. <i>Journal of Membrane Science</i> , 2008, 325, 11-15.	4.1	44
128	Comparative permeation studies on three supported membranes: Pure ZIF-8, pure polymethylphenylsiloxane, and mixed matrix membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 189, 210-215.	2.2	44
129	Significantly Enhanced Separation using ZIF-8 Membranes by Partial Conversion of Calcined Layered Double Hydroxide Precursors. <i>ChemSusChem</i> , 2015, 8, 3582-3586.	3.6	44
130	Porous carbon layers wrapped CoFe alloy for ultrastable Zn-Air batteries exceeding 20,000 charging-discharging cycles. <i>Journal of Energy Chemistry</i> , 2021, 61, 327-335.	7.1	44
131	Fabrication of highly b-oriented MFI monolayers on various substrates. <i>Chemical Communications</i> , 2009, , 1520.	2.2	43
132	Surface structure and reaction performances of highly dispersed and supported bimetallic catalysts. <i>Science in China Series B: Chemistry</i> , 1999, 42, 571-580.	0.8	42
133	The partial oxidation of methane to syngas over the nickel-modified hexaaluminate catalysts Ba <sub>12</sub> Al <sub>19</sub> O <sub>19</sub> . <i>Applied Catalysis A: General</i> , 2002, 235, 39-45.	2.2	42
134	Nanoparticles at Grain Boundaries Inhibit the Phase Transformation of Perovskite Membrane. <i>Nano Letters</i> , 2015, 15, 7678-7683.	4.5	42
135	Partial oxidation of ethane to syngas in an oxygen-permeable membrane reactor. <i>Journal of Membrane Science</i> , 2002, 209, 143-152.	4.1	41
136	Gas separation performance of supported carbon molecular sieve membranes based on soluble polybenzimidazole. <i>Journal of Membrane Science</i> , 2017, 533, 1-10.	4.1	41
137	Flexible Soft-Solid Metal-Organic Framework Composite Membranes for H <sub>2</sub> /CO <sub>2</sub> Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	41
138	An in situ approach to synthesize pure phase FAU-type zeolite membranes: effect of aging and formation mechanism. <i>Journal of Materials Science</i> , 2008, 43, 3279-3288.	1.7	40
139	Electrochemical performances of spinel oxides as cathodes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1052-1057.	3.8	40
140	Enhancement of oxygen evolution performance through synergetic action between NiFe metal core and NiFeOx shell. <i>Chemical Communications</i> , 2016, 52, 11803-11806.	2.2	40
141	Suppression of twins in b-oriented MFI molecular sieve films under microwave irradiation. <i>Chemical Communications</i> , 2012, 48, 6782.	2.2	39
142	Conversion of xylose into furfural in a MOF-based mixed matrix membrane reactor. <i>Chemical Engineering Journal</i> , 2016, 305, 12-18.	6.6	39
143	FAU-type zeolite membranes synthesized by microwave assisted in situ crystallization. <i>Materials Letters</i> , 2008, 62, 4357-4359.	1.3	38
144	Detrimental phase evolution triggered by Ni in perovskite-type cathodes for CO <sub>2</sub> electroreduction. <i>Journal of Energy Chemistry</i> , 2019, 36, 87-94.	7.1	38

#	ARTICLE	IF	CITATIONS
145	Effects of synthesis methods on oxygen permeability of BaCe <sub>0.15</sub> Fe <sub>0.85</sub> O <sub>3-<math>\delta</math></sub> ceramic membranes. Journal of Membrane Science, 2006, 283, 158-163.	4.1	37
146	Design and experimental investigation of oxide ceramic dual-phase membranes. Journal of Membrane Science, 2012, 394-395, 120-130.	4.1	37
147	Nano-CeO <sub>2</sub> -Modified Cathodes for Direct Electrochemical CO <sub>2</sub> Reduction in Solid Oxide Electrolysis Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 9629-9636.	3.2	37
148	Thermal Evolution of the Structure of a Mg-Al-CO <sub>3</sub> Layered Double Hydroxide: Sorption Reversibility Aspects. Industrial & Engineering Chemistry Research, 2004, 43, 4559-4570.	1.8	36
149	Highly efficient electrocatalysts for oxygen reduction reaction. Chemical Communications, 2007, , 4215.	2.2	36
150	Oxygen permeability and stability of BaCe <sub>0.1</sub> Co <sub>0.4</sub> Fe <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> oxygen permeable membrane. Separation and Purification Technology, 2010, 73, 38-43.	3.9	36
151	Oxygen permeation through Ca-contained dual-phase membranes for oxyfuel CO <sub>2</sub> capture. Separation and Purification Technology, 2013, 114, 31-37.	3.9	36
152	One-pot synthesis of Ni-Al-CO <sub>3</sub> LDH anti-corrosion coatings from CO <sub>2</sub> -saturated precursors. RSC Advances, 2015, 5, 29552-29557.	1.7	36
153	Micro-nanostructural designs of bifunctional electrocatalysts for metal-air batteries. Chinese Journal of Catalysis, 2020, 41, 390-403.	6.9	36
154	In-situ interfacial assembly of ultra-H <sub>2</sub> -permeable metal-organic framework membranes for H <sub>2</sub> /CO <sub>2</sub> separation. Journal of Membrane Science, 2020, 611, 118419.	4.1	36
155	Perovskite oxide absorbents for oxygen separation. AIChE Journal, 2009, 55, 3125-3133.	1.8	35
156	Single Crystal (Mn,Co)CO <sub>3</sub> Octahedra for Highly Efficient Oxygen Reduction Reactions. Electrochimica Acta, 2014, 144, 31-41.	2.6	35
157	Mixed Conducting Ceramic Membranes. Green Chemistry and Sustainable Technology, 2017, , .	0.4	35
158	H <sub>2</sub> /N <sub>2</sub> gaseous mixture separation in dense Pd-Al <sub>2</sub> O <sub>3</sub> hollow fiber membranes: Experimental and simulation studies. Separation and Purification Technology, 2006, 52, 177-185.	3.9	34
159	Asymmetric dual-phase membranes prepared via tape-casting and co-lamination for oxygen permeation. Materials Letters, 2015, 147, 88-91.	1.3	34
160	Mixed reforming of heptane to syngas in the Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> membrane reactor. Catalysis Today, 2005, 104, 149-153.	2.2	33
161	Crystal structure, oxygen permeability and stability of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.1</sub> M <sub>0.1</sub> O <sub>3-<math>\delta</math></sub> (M=Fe, Cr, Mn, Zr) oxygen-permeable membranes. Materials Research Bulletin, 2006, 41, 683-689.	2.7	33
162	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.	7.2	33

#	ARTICLE	IF	CITATIONS
163	Selection of oxygen permeation models for different mixed ionic-electronic conducting membranes. <i>AIChE Journal</i> , 2017, 63, 4043-4053.	1.8	33
164	Structure and electrochemical properties of cobalt-free perovskite cathode materials for intermediate-temperature solid oxide fuel cells. <i>Electrochimica Acta</i> , 2018, 279, 224-230.	2.6	33
165	Effects of sintering temperature on properties of dual-phase oxygen permeable membranes. <i>Journal of Membrane Science</i> , 2011, 367, 134-140.	4.1	32
166	Comparative investigation of dual-phase membranes containing cobalt and iron-based mixed conducting perovskite for oxygen permeation. <i>Journal of Membrane Science</i> , 2014, 462, 170-177.	4.1	32
167	Degradation mechanism analysis of $Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-\delta}$ membranes at intermediate-low temperatures. <i>AIChE Journal</i> , 2015, 61, 3879-3888.	1.8	32
168	Partial oxidation of methane and ethane to synthesis gas over a $LiLaNiO_3/\gamma-Al_2O_3$ catalyst. <i>Applied Catalysis A: General</i> , 2000, 198, 261-266.	2.2	31
169	Oxidative dehydrogenation of propane in a dense tubular membrane reactor. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 79, 351-356.	0.6	31
170	Germanium and iron co-substituted $SrCo_{2.5}Fe$ as oxygen permeable membrane. <i>Solid State Ionics</i> , 2004, 170, 187-190.	1.3	31
171	Metal-organic framework nanosheets: a class of glamorous low-dimensional materials with distinct structural and chemical natures. <i>Science China Chemistry</i> , 2019, 62, 1561-1575.	4.2	31
172	Dual-phase membrane reactor for hydrogen separation with high tolerance to $CO_2$ and $H_2S$ impurities. <i>AIChE Journal</i> , 2019, 65, 1088-1096.	1.8	31
173	Metal-organic framework-based $CO_2$ capture: From precise material design to high-efficiency membranes. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 188-215.	2.3	31
174	Oxygen permeability and structural stability of Zr-doped oxygen-permeable $Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-\delta}$ membrane. <i>Materials Letters</i> , 2005, 59, 2285-2288.	1.3	30
175	Effects of aging on the synthesis and performance of silicalite membranes on silica tubes without seeding. <i>Microporous and Mesoporous Materials</i> , 2007, 102, 249-257.	2.2	30
176	Investigation of $Sr_{0.5}Co_{0.5}O_{3-\delta}/Co_3O_4$ composite cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2008, 185, 129-135.	4.0	29
177	New concept on air separation. <i>Journal of Membrane Science</i> , 2008, 323, 221-224.	4.1	29
178	Synthesis of $LiFePO_4/C$ composite as a cathode material for lithium-ion battery by a novel two-step method. <i>Journal of Materials Science</i> , 2012, 47, 3076-3081.	1.7	29
179	Layered MOF membranes modified with ionic liquid/ $AgBF_4$ composite for olefin/paraffin separation. <i>Journal of Membrane Science</i> , 2021, 639, 119771.	4.1	29
180	Oxygen activation on Ba-containing perovskite materials. <i>Science Advances</i> , 2022, 8, eabn4072.	4.7	29

#	ARTICLE	IF	CITATIONS
181	Synthesis and perfection evaluation of NaA zeolite membrane. Separation and Purification Technology, 2001, 25, 475-485.	3.9	28
182	A Novel Method To Synthesize Amorphous Silica~Alumina Materials with Mesoporous Distribution without Using Templates and Pore-Regulating Agents. Chemistry of Materials, 2002, 14, 122-129.	3.2	28
183	High-rate hydrogen separation using an MIEC oxygen permeable membrane reactor. AIChE Journal, 2017, 63, 1278-1286.	1.8	28
184	Characterization of the formation of NaA zeolite membrane under microwave radiation. Journal of Materials Science, 2004, 39, 671-673.	1.7	27
185	Hydrothermal synthesis of NaA zeolite membrane together with microwave heating and conventional heating. Materials Letters, 2007, 61, 5129-5132.	1.3	27
186	Enhancement of NaA zeolite membrane properties through organic cation addition. Separation and Purification Technology, 2008, 61, 175-181.	3.9	27
187	Unsteady-state permeation and surface exchange of dual-phase membranes. Solid State Ionics, 2011, 185, 27-31.	1.3	27
188	The role of A-site ion nonstoichiometry in the oxygen absorption properties of Sr <sub>1+x</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> oxides. AIChE Journal, 2011, 57, 87-95.	1.8	27
189	Pd and Pd~Ni alloy composite membranes fabricated by electroless plating method on capillary $\gamma$ -Al <sub>2</sub> O <sub>3</sub> substrates. International Journal of Hydrogen Energy, 2015, 40, 3548-3556.	3.8	27
190	Oxygen Permeating Properties of the Mixed Conducting Membranes without Cobalt. Materials Research Bulletin, 1998, 33, 183-188.	2.7	26
191	Title is missing!. Catalysis Letters, 1999, 63, 167-171.	1.4	26
192	Synthesis of hierarchical porous materials with ZSM-5 structures via template-free sol-gel method. Science and Technology of Advanced Materials, 2007, 8, 101-105.	2.8	26
193	Hydrothermal synthesis of uniform and dense NaA zeolite membrane in the electric field. Microporous and Mesoporous Materials, 2007, 102, 58-69.	2.2	26
194	Preparation of zeolite T membranes by microwave-assisted in situ nucleation and secondary growth. Materials Letters, 2009, 63, 255-257.	1.3	26
195	Ultrasonic Synthesis of Silica~Alumina Nanomaterials with Controlled Mesopore Distribution without Using Surfactants. Langmuir, 2002, 18, 4111-4117.	1.6	25
196	Combustion synthesis, annealing, and oxygen permeation properties of SrFeCo <sub>0.5</sub> O <sub>y</sub> membranes. Materials Research Bulletin, 2004, 39, 963-969.	2.7	25
197	A poly(amidoamine) nanoparticle cross-linked two-dimensional metal-organic framework nanosheet membrane for water purification. Chemical Communications, 2019, 55, 3935-3938.	2.2	25
198	Initiation of oxygen permeation and POM reaction in different mixed conducting ceramic membrane reactors. Catalysis Today, 2006, 118, 144-150.	2.2	24

#	ARTICLE	IF	CITATIONS
199	ZIF-L membrane with a membrane-interlocked-support composite architecture for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Science Bulletin</i> , 2021, 66, 1869-1876.	4.3	24
200	Low temperature synthesis of perovskite oxide using the adsorption properties of cellulose. <i>Journal of Materials Science</i> , 2000, 35, 5639-5644.	1.7	23
201	Synthesis of NaA zeolite membrane with high performance. <i>Journal of Materials Science Letters</i> , 2002, 21, 1023-1025.	0.5	23
202	Phase-Segregation-Induced Self-Assembly of Anisotropic MFI Microbuilding Blocks into Compact and Highly <i>b</i> -Oriented Monolayers. <i>Langmuir</i> , 2011, 27, 2327-2333.	1.6	23
203	Molecular sieve membranes: From 3D zeolites to 2D MOFs. <i>Chinese Journal of Catalysis</i> , 2015, 36, 692-697.	6.9	23
204	Effects of membrane thickness and structural type on the hydrogen separation performance of oxygen-permeable membrane reactors. <i>Journal of Membrane Science</i> , 2019, 573, 370-376.	4.1	23
205	Effects of Alkali and Rare Earth Metal Oxides on the Thermal Stability and the Carbon-deposition over Nickel Based Catalyst. <i>Studies in Surface Science and Catalysis</i> , 1998, 119, 747-752.	1.5	22
206	Catalytic Partial Oxidation of n-Heptane for Hydrogen Production. <i>Catalysis Letters</i> , 2003, 88, 55-59.	1.4	22
207	High-performance low-temperature solid oxide fuel cells using thin proton-conducting electrolyte with novel cathode. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8635-8640.	3.8	22
208	High performance carbon molecular sieving membranes derived from pyrolysis of metal-organic framework ZIF-108 doped polyimide matrices. <i>Chemical Communications</i> , 2016, 52, 13779-13782.	2.2	22
209	Dual-ligand zeolitic imidazolate framework crystals and oriented films derived from metastable mono-ligand ZIF-108. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 190-198.	2.2	22
210	Effect of Ru and Ni nanocatalysts on water splitting and hydrogen oxidation reactions in oxygen-permeable membrane reactors. <i>Journal of Membrane Science</i> , 2020, 599, 117702.	4.1	22
211	Iron stabilized 1/3 A-site deficient La <sub>0.67</sub> Ti <sub>0.33</sub> O perovskite cathodes for efficient CO <sub>2</sub> electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21053-21061.	5.2	22
212	High-performance oxygen transport membrane reactors integrated with IGCC for carbon capture. <i>AIChE Journal</i> , 2020, 66, e16427.	1.8	22
213	Interaction of NiO with $\gamma$ -Al <sub>2</sub> O <sub>3</sub> ; Supporter of NiO/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> ; Catalysts. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 1999, 15, 735-741.	2.2	22
214	Remarkable dependence of electrochemical performance of SrCo <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> on A-site nonstoichiometry. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7234.	1.3	21
215	In-situ-Methoden zur Charakterisierung elektrochemischer NiFe-Sauerstoffentwicklungskatalysatoren. <i>Angewandte Chemie</i> , 2019, 131, 1264-1277.	1.6	21
216	Non-noble metal catalysts coated on oxygen-permeable membrane reactors for hydrogen separation. <i>Journal of Membrane Science</i> , 2020, 594, 117463.	4.1	21

#	ARTICLE	IF	CITATIONS
217	Title is missing!. Catalysis Letters, 2002, 78, 37-41.	1.4	20
218	Modification strategies for metal-organic frameworks targeting at membrane-based gas separations. Green Chemical Engineering, 2021, 2, 17-26.	3.3	20
219	Assembly of ionic liquid molecule layers on metal-organic framework-808 for CO <sub>2</sub> capture. Chemical Engineering Journal, 2022, 439, 135650.	6.6	20
220	An in-situ modified sol-gel process for monolith catalyst preparation used in the partial oxidation of methane. Journal of Materials Chemistry, 2002, 12, 1854-1859.	6.7	19
221	AgBiVMo oxide catalytic membrane for selective oxidation of propane to acrolein. Catalysis Today, 2003, 82, 91-98.	2.2	19
222	Effects of reaction conditions on the selective oxidation of propane to acrylic acid on Mo-V-Te-Nb oxides. Catalysis Today, 2004, 93-95, 229-234.	2.2	19
223	Oxygen permeability and improved stability of a permeable Zr-substituted perovskite membrane for air separation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 141, 55-60.	1.7	19
224	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.	7.1	19
225	Enhancing activity and stability of Co-MOF-74 for oxygen evolution reaction by wrapping polydopamine. Electrochimica Acta, 2022, 416, 140293.	2.6	19
226	Modified cellulose adsorption method for the synthesis of conducting perovskite powders for membrane application. Powder Technology, 2002, 122, 26-33.	2.1	18
227	Ce-Al Mixed Oxide with High Thermal Stability for Diesel Soot Combustion. Chinese Journal of Catalysis, 2009, 30, 685-689.	6.9	18
228	In-situ Electrochemical Synthesis of Oriented and Defect-free AEL Molecular Sieve Films Using Ionic Liquids. Angewandte Chemie - International Edition, 2015, 54, 13032-13035.	7.2	18
229	Stability of sulfate doped SrCoO <sub>3-<math>\delta</math></sub> MIEC membrane. Journal of Membrane Science, 2016, 501, 53-59.	4.1	18
230	Adsorption of Biomass-Derived Polyols onto Metal-Organic Frameworks from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2018, 57, 11963-11969.	1.8	18
231	Microwave-Assisted Hydrothermal Synthesis of [Al(OH)(1,4-NDCl)] Membranes with Superior Separation Performances. Chemistry - an Asian Journal, 2019, 14, 2072-2076.	1.7	18
232	Sustainable Ni catalyst for partial oxidation of CH <sub>4</sub> to syngas at high temperature. Studies in Surface Science and Catalysis, 2000, 130, 3567-3572.	1.5	17
233	Tuning of Delicate Host-Guest Interactions in Hydrated MIL-53 and Functional Variants for Furfural Capture from Aqueous Solution. Angewandte Chemie - International Edition, 2021, 60, 1629-1634.	7.2	17
234	Mixed reforming of simulated gasoline to hydrogen in a BSCFO membrane reactor. Catalysis Today, 2006, 118, 39-43.	2.2	16

#	ARTICLE	IF	CITATIONS
235	Electrophoretic technique for hydrothermal synthesis of NaA zeolite membranes on porous $\gamma$ -Al <sub>2</sub> O <sub>3</sub> supports. <i>Materials Research Bulletin</i> , 2007, 42, 657-665.	2.7	16
236	Microwave Synthesis of a&b-Oriented Zeolite T Membranes and Their Application in Pervaporation-Assisted Esterification. <i>Chinese Journal of Catalysis</i> , 2008, 29, 592-594.	6.9	16
237	Effect of Pd loading and precursor on the catalytic performance of Pd/WO <sub>3</sub> -ZrO <sub>2</sub> catalysts for selective oxidation of ethylene. <i>Catalysis Today</i> , 2010, 149, 163-166.	2.2	16
238	Asymmetric dual-phase MIEC membrane reactor for energy-efficient coproduction of two kinds of synthesis gases. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4218-4227.	3.8	16
239	Molecular sieving mixed matrix membranes embodying nano-fillers with extremely narrow pore-openings. <i>Journal of Membrane Science</i> , 2020, 601, 117880.	4.1	16
240	Cathode activation process and CO <sub>2</sub> electroreduction mechanism on LnFeO <sub>3</sub> - $\delta$ (Ln=La, Pr and Gd) perovskite cathodes. <i>Journal of Power Sources</i> , 2021, 485, 229343.	4.0	16
241	Single-Phase Covalent Organic Framework Staggered Stacking Nanosheet Membrane for CO <sub>2</sub> Selective Separation. <i>Angewandte Chemie</i> , 2021, 133, 19195-19200.	1.6	16
242	A Highly Selective Supramolecule Array Membrane Made of Zero-Dimensional Molecules for Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20977-20983.	7.2	16
243	Phenol cogeneration with electricity by using in situ generated H <sub>2</sub> O <sub>2</sub> in a H <sub>2</sub> -O <sub>2</sub> PEMFC reactor. <i>Catalysis Today</i> , 2005, 104, 200-204.	2.2	15
244	The Effect of Preparation Procedure on the Performance of Pd-SiW <sub>12</sub> /SiO <sub>2</sub> Catalysts for the Direct Oxidation of Ethylene to Acetic Acid. <i>Chinese Journal of Catalysis</i> , 2010, 31, 1342-1346.	6.9	15
245	Catalytic oxidative dehydrogenation of n-butane over V <sub>2</sub> O <sub>5</sub> /MO-Al <sub>2</sub> O <sub>3</sub> (M = Mg, Ca, Sr, Ba) catalysts. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1060-1067.	6.9	15
246	Oxygen transport kinetics of MIEC membranes coated with different catalysts. <i>AIChE Journal</i> , 2016, 62, 2803-2812.	1.8	15
247	Effect of V-containing precursors on the structure and catalytic performance of Cs-substituted phosphomolybdates for isobutane oxidation. <i>Applied Catalysis A: General</i> , 2018, 556, 104-112.	2.2	15
248	Hetero-Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	15
249	Partial oxidation of methane to syngas in a mixed-conducting oxygen permeable membrane reactor. <i>Science Bulletin</i> , 2000, 45, 224-226.	1.7	14
250	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2001, 73, 311-316.	0.6	14
251	Titanium-based perovskite-type mixed conducting ceramic membranes for oxygen permeation. <i>Materials Letters</i> , 2002, 56, 958-962.	1.3	14
252	Carbon molecular sieving membranes for butane isomer separation. <i>AIChE Journal</i> , 2019, 65, e16749.	1.8	14

#	ARTICLE	IF	CITATIONS
253	Metal-Organic Framework Membranes and Membrane Reactors: Versatile Separations and Intensified Processes. <i>Research</i> , 2020, 2020, 1583451.	2.8	14
254	Synthesis and gas permeation properties of silicalite-1 zeolite membrane. <i>Science in China Series B: Chemistry</i> , 1998, 41, 325-330.	0.8	13
255	The effect of Li and La on NiO/Al <sub>2</sub> O <sub>3</sub> catalyst for CH <sub>4</sub> /O <sub>2</sub> to syngas reaction. <i>Reaction Kinetics and Catalysis Letters</i> , 1999, 68, 243-247.	0.6	13
256	Effect of Bi doping on the performance of dual-phase oxygen-permeable membranes. <i>Journal of Membrane Science</i> , 2019, 579, 342-350.	4.1	13
257	Catalytic partial oxidation of gasoline to syngas in a dense membrane reactor. <i>Catalysis Today</i> , 2004, 93-95, 257-261.	2.2	12
258	Effects of Synthesis Methods of BICUVOX.10 Membranes on Oxygen Permeation at Moderate Temperatures. <i>Chinese Journal of Catalysis</i> , 2009, 30, 926-932.	6.9	12
259	Acrylic acid and electric power cogeneration in an SOFC reactor. <i>Chemical Communications</i> , 2009, , 2038.	2.2	12
260	Effective manipulation of the microstructure of zeolite film by hydrothermal pretreatment. <i>Journal of Materials Science</i> , 2011, 46, 3942-3951.	1.7	12
261	Synthesis of zeolitic imidazolate framework nanocrystals. <i>Materials Letters</i> , 2014, 136, 341-344.	1.3	12
262	Degradation and stabilization of perovskite membranes containing silicon impurity at low temperature. <i>Journal of Membrane Science</i> , 2015, 492, 173-180.	4.1	12
263	Oxygen transport kinetics affected by grain size " A permeation model study. <i>Journal of Membrane Science</i> , 2020, 603, 118038.	4.1	12
264	Application of membrane reactor for dehydrogenation of ethylbenzene. <i>Catalysis Today</i> , 1995, 25, 315-319.	2.2	11
265	Mixed-conducting perovskite-type Sr <sub>x</sub> Bi <sub>1-x</sub> FeO <sub>3-<math>\delta</math></sub> oxygen-permeating membranes. <i>Science in China Series B: Chemistry</i> , 2000, 43, 421-427.	0.8	11
266	Synthesis and pervaporation performance of high-reproducibility silicalite-1 membranes. <i>Science Bulletin</i> , 2008, 53, 3505-3510.	4.3	11
267	A high-efficiency novel IGCC-OTM carbon capture power plant design. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, .	1.4	11
268	Pyrazine-embodied MOF-74 for selective CO <sub>2</sub> adsorption. <i>AIChE Journal</i> , 2022, 68, e17528.	1.8	11
269	Ball Milling Solid-State Synthesis of Highly Crystalline Prussian Blue Analogue Na <sub>2</sub> MnFe(CN) <sub>6</sub> Cathodes for All-Climate Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
270	Novel porous metal/ceramic membrane materials. <i>Current Opinion in Solid State and Materials Science</i> , 1999, 4, 103-107.	5.6	10

#	ARTICLE	IF	CITATIONS
271	Fast formation of NaA zeolite membrane in the microwave field. <i>Science Bulletin</i> , 2000, 45, 1179-1181.	1.7	10
272	Effect of Structure of Pd/WO <sub>3</sub> -ZrO <sub>2</sub> Catalyst on Its Activity for Direct Oxidation of Ethylene to Acetic Acid. <i>Chinese Journal of Catalysis</i> , 2009, 30, 864-872.	6.9	10
273	Investigation of structure and oxygen permeability of Ba <sup>2+</sup> Ce <sup>4+</sup> Co <sup>2+</sup> Fe <sup>3+</sup> O system. <i>Materials Research Bulletin</i> , 2010, 45, 1112-1117.	2.7	10
274	Critical Factors Affecting Oxygen Permeation Through Dual-phase Membranes. <i>Membrane Science and Technology</i> , 2011, , 275-293.	0.5	10
275	Polyoxometalate catalysts with co-substituted VO <sub>2</sub> <sup>+</sup> and transition metals and their catalytic performance for the oxidation of isobutane. <i>Catalysis Science and Technology</i> , 2018, 8, 5774-5781.	2.1	10
276	In situ Dispersed Nano-Au on Zr-Suboxides as Active Cathode for Direct CO <sub>2</sub> Electroreduction in Solid Oxide Electrolysis Cells. <i>Nano Letters</i> , 2021, 21, 6952-6959.	4.5	10
277	Preparation and pervaporation performance of high-quality silicalite-1 membranes. <i>Science in China Series B: Chemistry</i> , 2007, 50, 70-74.	0.8	9
278	Ammonia oxidation in Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> membrane reactor. <i>Catalysis Today</i> , 2010, 149, 167-171.	2.2	9
279	Oxidative dehydrogenation of n-butane to butenes on Mo-doped VMgO catalysts. <i>RSC Advances</i> , 2017, 7, 34131-34137.	1.7	9
280	Selective removal of CO from hydrocarbon-rich industrial off-gases over CeO <sub>2</sub> -supported metal oxides. <i>Journal of Materials Science</i> , 2020, 55, 2321-2332.	1.7	9
281	Exploration of cinnamaldehyde hydrogenation in Co <sup>2+</sup> Pt <sup>3+</sup> Al <sub>2</sub> O <sub>3</sub> catalytic membrane reactors. <i>Catalysis Letters</i> , 2000, 66, 125-128.	1.4	8
282	Hydrogen separation from the mixtures in a thin Pd-Cu alloy membrane reactor. <i>Studies in Surface Science and Catalysis</i> , 2007, 167, 219-224.	1.5	8
283	Effect of CO <sub>2</sub> Treatment on the Performance of Sm <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3-<math>\delta</math></sub> Cathode Electrocatalyst. <i>Chinese Journal of Catalysis</i> , 2008, 29, 7-9.	6.9	8
284	Influence of the Reducing Atmosphere on the Structure and Activity of Mo-V-Te-Nb-O Catalysts for Propane Selective Oxidation. <i>Chinese Journal of Catalysis</i> , 2008, 29, 1032-1036.	6.9	8
285	A method for diatomite zeolitization through steam-assisted crystallization with in-situ seeding. <i>Materials Letters</i> , 2008, 62, 2400-2403.	1.3	8
286	Influence of Pd precursors on the catalytic performance of Pd <sup>2+</sup> H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> in the direct oxidation of ethylene to acetic acid. <i>Journal of Molecular Catalysis A</i> , 2009, 310, 138-143.	4.8	8
287	Stability and Transport Conductivity of Perovskite Type BaZr <sub>x</sub> Ce <sub>0.8-x</sub> Nd <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> . <i>Advanced Materials Research</i> , 2012, 554-556, 404-407.	0.3	8
288	CO <sub>2</sub> electroreduction enhanced by transitional layer at cathode/electrolyte interface. <i>Journal of Power Sources</i> , 2020, 451, 227743.	4.0	8

#	ARTICLE	IF	CITATIONS
289	Growth of oriented zeolite crystal membranes. <i>Studies in Surface Science and Catalysis</i> , 1997, , 2233-2240.	1.5	7
290	Enhanced performance of solid oxide fuel cells by introducing a transition layer between nanostructured cathode and electrolyte. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 501-508.	3.8	7
291	Integration of Nine Steps into One Membrane Reactor To Produce Synthesis Gases for Ammonia and Liquid Fuel. <i>Angewandte Chemie</i> , 2016, 128, 8708-8712.	1.6	7
292	One-step ionothermal synthesis of oriented molecular sieve corrosion-resistant coatings. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 70-76.	2.2	7
293	Charge Transfer Reactions in CO <sub>2</sub> Electroreduction on Manganese Doped Ceria. <i>ChemElectroChem</i> , 2019, 6, 1668-1672.	1.7	7
294	Improved hydrogen separation performance of asymmetric oxygen transport membranes by grooving in the porous support layer. <i>Green Chemical Engineering</i> , 2021, 2, 96-103.	3.3	7
295	Rational design of CO <sub>2</sub> electroreduction cathode via in situ electrochemical phase transition. <i>Journal of Energy Chemistry</i> , 2022, 66, 603-611.	7.1	7
296	Preparation of M <sub>x</sub> O <sub>y</sub> -TiO <sub>2</sub> Photocatalysts by Sol-gel Method. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2001, 17, 273-277.	2.2	7
297	Influence of the Sol-Gel Method on a NiO/Al <sub>2</sub> O <sub>3</sub> Catalyst for CH <sub>4</sub> /O <sub>2</sub> to Syngas Reaction. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 69, 325-329.	0.6	6
298	Partial oxidation of methane to syngas in tubular oxygen-permeable reactor. <i>Science Bulletin</i> , 2002, 47, 534.	1.7	6
299	Synthesis and separation performance of silicalite-1 membranes on silica tubes. <i>Science in China Series B: Chemistry</i> , 2009, 52, 579-583.	0.8	6
300	Bi <sub>4</sub> Cu <sub>0.2</sub> V <sub>1.8</sub> O <sub>11</sub> based electrolyte membrane reactor for selective oxidation of propane to acrylic acid. <i>Catalysis Today</i> , 2010, 149, 157-162.	2.2	6
301	Universally applicable kinetic model for mixed ionic-electronic conducting membranes. <i>Chemical Engineering Science</i> , 2020, 215, 115455.	1.9	6
302	Synergistic effects of phases in the selective oxidation of isobutane over supported (NH <sub>4</sub> ) <sub>3</sub> HPMo <sub>11</sub> VO <sub>40</sub> catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 293-308.	0.8	6
303	Effects of catalysts on water decomposition and hydrogen oxidation reactions in oxygen transport membrane reactors. <i>Journal of Membrane Science</i> , 2021, 634, 119394.	4.1	6
304	Rational design and fabrication of a novel acid-resistant UZM-5 zeolite membrane for pervaporation dehydration processes. <i>Chemical Communications</i> , 2021, 57, 9574-9577.	2.2	6
305	Benzene electro-oxidation in a PEMFC for phenol and electricity cogeneration. <i>Applied Catalysis B: Environmental</i> , 2005, 61, 184-191.	10.8	5
306	A novel template-free sol-gel synthesis of silica materials with mesoporous structures and zeolitic walls. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 205-211.	1.1	5

#	ARTICLE	IF	CITATIONS
307	Performance study of heptane reforming in the dense ceramic membrane reactors. <i>AIChE Journal</i> , 2008, 54, 242-248.	1.8	5
308	Phase transitions in $\text{Sr}_{1+x}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ oxides. <i>Materials Letters</i> , 2010, 64, 1618-1621.	1.3	5
309	Highly Efficient Removal of CO in Effluent Streams from Real-Life Propane Oxidation Process over $\text{CuO}/\text{CeO}_2$ -Based Catalysts. <i>ChemCatChem</i> , 2018, 10, 4292-4299.	1.8	5
310	A permeation model study of oxygen transport kinetics of $\text{Ba}_{x}\text{Sr}_{1-x}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ . <i>AIChE Journal</i> , 2020, 66, e16291.	1.8	5
311	Effect of inner strain on the performance of dual-phase oxygen permeable membranes. <i>Journal of Membrane Science</i> , 2022, 644, 120142.	4.1	5
312	Repeatable preparation of defect-free electrolyte membranes for proton-conducting fuel cells. <i>Journal of Membrane Science</i> , 2022, 656, 120642.	4.1	5
313	Partial Oxidation of Ethane to Syngas over Supported Metal Catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 70, 311-317.	0.6	4
314	Partial Oxidation of Methane to Syngas over $\text{NiO}/\text{Al}_2\text{O}_3$ Catalysts Prepared by the Sol-Gel Method. <i>Studies in Surface Science and Catalysis</i> , 2001, 136, 21-26.	1.5	4
315	Preparation of A-type zeolite membranes on nonporous metal supports by using electrophoretic technique. <i>Science Bulletin</i> , 2004, 49, 1226.	1.7	4
316	Preparation of high selectivity silicalite-1 membranes by two-step in situ hydrothermal synthesis. <i>Science Bulletin</i> , 2011, 56, 3578-3582.	1.7	4
317	Hydrothermal Stability of Meso-microporous Composites and Their Catalytic Cracking Performance. <i>Chinese Journal of Catalysis</i> , 2011, 32, 418-427.	6.9	4
318	Tuning of Delicate Host-Guest Interactions in Hydrated MIL-53 and Functional Variants for Furfural Capture from Aqueous Solution. <i>Angewandte Chemie</i> , 2021, 133, 1653-1658.	1.6	4
319	Improving intermediate-temperature stability of BSCF by constructing high entropy perovskites. , 2022, 2, 100026.		4
320	Lateral growth of silicalite-1 crystal membrane on glass slabs. <i>Science Bulletin</i> , 1997, 42, 37-40.	1.7	3
321	Effects of operation modes on the oxidation of propane to acrolein in a membrane reactor. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 2705-2710.	1.5	3
322	Sol-gel derived oxides and mixed oxides catalysts with narrow mesoporous distribution. <i>Science in China Series B: Chemistry</i> , 2001, 44, 387-398.	0.8	3
323	Low-temperature partial oxidation of n-heptane to $\text{CO}+\text{H}_2$ over Rh-based/g- $\text{Al}_2\text{O}_3$ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 81, 27-32.	0.6	3
324	$\text{Bi}_4\text{Cu}_0.2\text{V}_{1.8}\text{O}_{11}$ based membrane electrochemical reactors for propane oxidation at moderate temperatures. <i>Ionics</i> , 2005, 11, 184-188.	1.2	3

#	ARTICLE	IF	CITATIONS
325	Catalytic oxidation of ethylene to acetic acid on Pd <sup>II</sup> /HPA/SiO <sub>2</sub> catalysts with different heteropoly acids. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 98, 107-115.	0.6	3
326	Influence of Noble Metals on the Direct Oxidation of Ethylene to Acetic Acid over NM/WO <sub>3</sub> -ZrO <sub>2</sub> (NM) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.9	3
327	Gel-type shell contributing to the high proton conductivity of pyrophosphates. <i>Ceramics International</i> , 2016, 42, 9913-9920.	2.3	3
328	Insights into the interplay between electric fields and microstructures of AEL films under ionothermal conditions. <i>Chemical Communications</i> , 2017, 53, 1836-1839.	2.2	3
329	Single- and dual-phase capillary membranes prepared through plastic extrusion method for oxygen permeation. <i>Ceramics International</i> , 2021, 47, 18510-18516.	2.3	3
330	A Highly Selective Supramolecule Array Membrane Made of Zero-Dimensional Molecules for Gas Separation. <i>Angewandte Chemie</i> , 2021, 133, 21145-21151.	1.6	3
331	Selective Oxidation of Isobutane to Methacrylic Acid by Metal-Substituted Ammonium Salts of Molybdovanadophosphoric Acid. <i>Catalysis Letters</i> , 2022, 152, 2412-2420.	1.4	3
332	Hetero-Lattice Intergrown and Robust MOF Membranes for Polyol Upgrading. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
333	Flexible Soft-Solid Metal-Organic Framework Composite Membranes for H <sub>2</sub> /CO <sub>2</sub> Separation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
334	A New Series of Co-Free Oxides with High Oxygen Permeability. <i>Journal of Solid State Chemistry</i> , 1997, 130, 316-318.	1.4	2
335	Separation of butane isomer by tubular silicalite-1 zeolite membrane. <i>Science Bulletin</i> , 1998, 43, 2074-2078.	1.7	2
336	Synthesis and characterization of gallium-based perovskite-type dense membrane with oxygen semipermeability. <i>Science in China Series B: Chemistry</i> , 2001, 44, 294-303.	0.8	2
337	Highly active Mo-V-Te-Nb-O catalysts obtained by eliminating surface TeO for selective oxidation of propane to acrylic acid. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 97, 225-232.	0.6	2
338	Preface: Recent Advances in Catalysis for Ultra Clean Fuels. <i>Catalysis Today</i> , 2010, 149, 1.	2.2	2
339	Dual-Phase MIEC Membranes. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 227-269.	0.4	2
340	Hydrogen Permeation in a Thin Pd-Cu Alloy Membrane Reactor for Steam Re-forming of Ethanol. <i>Chinese Journal of Catalysis</i> , 2010, 31, 1049-1053.	6.9	2
341	Effect of molten carbonate composition on CO <sub>2</sub> permeation mechanism. <i>Journal of Membrane Science</i> , 2022, 645, 120210.	4.1	2
342	Synthesis optimization of phase-singularized UZM-5 zeolite under hydrothermal conditions: The critical control points of its crystalline phase and crystallinity. <i>Microporous and Mesoporous Materials</i> , 2022, 334, 111776.	2.2	2

#	ARTICLE	IF	CITATIONS
343	Propane aromatization in a silicalite-1 membrane reactor. <i>Studies in Surface Science and Catalysis</i> , 2000, , 2699-2704.	1.5	1
344	Perovskite-type B-site Bi-doped ceramic membranes for oxygen separation. <i>Science Bulletin</i> , 2000, 45, 889-893.	1.7	1
345	Template-free sol-gel synthesis of mesoporous materials with ZSM-5 structure walls. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 515-518.	1.5	1
346	A new approach to achieving a pure M1 phase catalyst for the selective oxidation of propane. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 97, 233-241.	0.6	1
347	Recent Progress on Mixed Conducting Oxygen Transport Membrane Reactors for Water Splitting Reaction. <i>Acta Chimica Sinica</i> , 2021, 79, 588.	0.5	1
348	Defects and Diffusion. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 11-48.	0.4	1
349	Fabrication and Characterization of MIEC Membranes. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 95-143.	0.4	1
350	Effect of Phase Ratio on Hydrogen Separation of Dual-phase Membrane Reactors. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 145-151.	0.4	1
351	Investigation of novel zirconium based perovskite-type mixed conducting membranes for oxygen separation. <i>Science Bulletin</i> , 2001, 46, 473-477.	1.7	0
352	Assembly of mesocellular silica foams from colloidal zeolite nanocrystals through template free process. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 507-510.	1.5	0
353	In Situ Monitoring of the Oxygen Activity on a Mg <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Catalyst during the Oxidative Dehydrogenation of Propane. <i>Chinese Journal of Catalysis</i> , 2009, 30, 375-377.	6.9	0
354	Oxygen-Ion Transport Membrane and Its Applications in Selective Oxidation of Light Alkanes. , 2009, , 53-65.		0
355	Permeation Properties and Stability of Ni <sub>0.4</sub> Ba <sub>0.4</sub> Ce <sub>0.2</sub> Zr <sub>0.4</sub> Nd <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> Membrane for Hydrogen Separation. <i>Advanced Materials Research</i> , 0, 512-515, 1422-1425.	0.3	0
356	Preparation of Silicalite-1 Membranes on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Tubes and its Concentration Performance of Low Ethanol/water Mixtures. <i>Advanced Materials Research</i> , 2012, 608-609, 1337-1341.	0.3	0
357	Preparation of Silicalite-1 Membranes with Seeding Method and its Separation Performance for Low Ethanol/Water Mixture. <i>Advanced Materials Research</i> , 2013, 807-809, 591-595.	0.3	0
358	Perovskite-Type MIEC Membranes. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 179-226.	0.4	0
359	Selective Removal of CO in Hydrocarbons-Rich Industrial Off-gases over CuO <sup>x</sup> Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> Catalysts. <i>Catalysis Surveys From Asia</i> , 2021, 25, 68-75.	1.0	0
360	Zeolite Membranes. , 2009, , 275-286.		0

#	ARTICLE	IF	CITATIONS
361	Progress on the Commercialization of MIEC Membrane Technology. Green Chemistry and Sustainable Technology, 2017, , 351-367.	0.4	0
362	Ionic Conductors and Aspects Related to High Temperature. Green Chemistry and Sustainable Technology, 2017, , 49-93.	0.4	0
363	Oxygen Permeation at Intermediateâ€“Low Temperatures. Green Chemistry and Sustainable Technology, 2017, , 271-305.	0.4	0
364	Catalytic Reactions in MIEC Membrane Reactors. Green Chemistry and Sustainable Technology, 2017, , 307-350.	0.4	0