

Suqing Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3792612/publications.pdf>

Version: 2024-02-01

332
papers

30,874
citations

3149

92
h-index

6113

159
g-index

358
all docs

358
docs citations

358
times ranked

23550
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap for Sustainable Mixed Ionic&Electronic Conducting Membranes. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	49
2	C ₃ H ₆ /C ₃ H ₈ Adsorption Behavior Study of Stiffened ZIF-8 Prepared under an Electric Field. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 119-127.	0.4	2
3	Fast fabrication of freestanding MXene-ZIF-8 dual-layered membranes for H ₂ /CO ₂ separation. <i>Journal of Membrane Science</i> , 2022, 642, 119982.	4.1	54
4	Mixed Oxygen Ionic and Electronic Conducting Membrane Reactors for Pure Chemicals Production. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 31-41.	0.4	5
5	Sn&Doped Black Phosphorene for Enhancing the Selectivity of Nitrogen Electroreduction to Ammonia. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	41
6	MXene assisted preparation of well-intergrown ZIF-67 membrane for helium separation. <i>Journal of Membrane Science</i> , 2022, 652, 120432.	4.1	15
7	N-doped porous carbon nanofibers inlaid with hollow Co ₃ O ₄ nanoparticles as an efficient bifunctional catalyst for rechargeable Li-O ₂ batteries. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1511-1519.	6.9	13
8	Simultaneous Electrochemical Exfoliation and Covalent Functionalization of MoS ₂ Membrane for Ion Sieving. <i>Advanced Materials</i> , 2022, 34, e2201416.	11.1	45
9	Saving the Energy Loss in Lithium&Mediated Nitrogen Fixation by Using a Highly Reactive Li ₃ N Intermediate for C&N Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
10	Saving the Energy Loss in Lithium&Mediated Nitrogen Fixation by Using a Highly Reactive Li ₃ N Intermediate for C&N Coupling Reactions. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
11	Porous stainless steel hollow fiber-supported ZIF-8 membranes via FCDS for hydrogen/carbon dioxide separation. <i>Separation and Purification Technology</i> , 2022, 295, 121365.	3.9	7
12	Enhanced Hydrogen Permeability of Mixed Protonic&Electronic Conducting Membranes through an In&Situ Exsolution Strategy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
13	Ultrathin and Ultrastrong Kevlar Aramid Nanofiber Membranes for Highly Stable Osmotic Energy Conversion. <i>Advanced Science</i> , 2022, 9, .	5.6	36
14	Reducing anisotropic effects on oxygen separation performance of K ₂ NiF ₄ -type membranes by adjusting grain size. <i>Journal of Membrane Science</i> , 2021, 618, 118628.	4.1	15
15	Fast electrophoretic preparation of large-area two-dimensional titanium carbide membranes for ion sieving. <i>Chemical Engineering Journal</i> , 2021, 408, 127806.	6.6	56
16	Nanocomposite with fast Li ⁺ conducting percolation network: Solid polymer electrolyte with Li ⁺ non-conducting filler. <i>Nano Energy</i> , 2021, 79, 105475.	8.2	61
17	Graphene-quantum-dot-composited platinum nanotube arrays as a dual efficient electrocatalyst for the oxygen reduction reaction and methanol electro-oxidation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9609-9615.	5.2	36
18	Recent progress of two-dimensional nanosheet membranes and composite membranes for separation applications. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 793-819.	2.3	36

#	ARTICLE	IF	CITATIONS
19	Proton conducting membranes for hydrogen and ammonia production. Reaction Chemistry and Engineering, 2021, 6, 1739-1770.	1.9	12
20	Catalytic ceramic oxygen ionic conducting membrane reactors for ethylene production. Reaction Chemistry and Engineering, 2021, 6, 1327-1341.	1.9	8
21	Competing hydrogen evolution reaction: a challenge in electrocatalytic nitrogen fixation. Materials Chemistry Frontiers, 2021, 5, 5954-5969.	3.2	42
22	High safety separators for rechargeable lithium batteries. Science China Chemistry, 2021, 64, 1131-1156.	4.2	37
23	Co ₃ Se ₄ Quantum Dots as an Ultrastable Host Material for Potassium Ion Intercalation. Advanced Materials, 2021, 33, e2102164.	11.1	40
24	Improving diffusion kinetics and phase stability of LiCoO ₂ via surface modification at elevated voltage. Electrochimica Acta, 2021, 380, 138227.	2.6	24
25	MXene-Based Membranes for Separation Applications. Small Science, 2021, 1, 2100013.	5.8	49
26	Comprehensive Understanding of the Thriving Ambient Electrochemical Nitrogen Reduction Reaction. Advanced Materials, 2021, 33, e2007650.	11.1	229
27	Supported MXene/GO Composite Membranes with Suppressed Swelling for Metal Ion Sieving. Membranes, 2021, 11, 621.	1.4	16
28	Covalent Organic Framework Membranes for Efficient Chemicals Separation. Small Structures, 2021, 2, 2100061.	6.9	48
29	A Lamellar MXene (Ti ₃ C ₂ T _x)/PSS Composite Membrane for Fast and Selective Lithium Ion Separation. Angewandte Chemie - International Edition, 2021, 60, 22265-22269.	7.2	117
30	Graphene oxide-modified g-C ₃ N ₄ nanosheet membranes for efficient hydrogen purification. Chemical Engineering Journal, 2021, 420, 129574.	6.6	65
31	A Lamellar MXene (Ti ₃ C ₂ T _x)/PSS Composite Membrane for Fast and Selective Lithium Ion Separation. Angewandte Chemie, 2021, 133, 22439-22443.	1.6	31
32	Catalytic Oxidation of K ₂ S via Atomic Co and Pyridinic N Synergy in Potassium-Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 16902-16907.	6.6	53
33	A Mo ₅ N ₆ electrocatalyst for efficient Na ₂ S electrodeposition in room-temperature sodium-sulfur batteries. Nature Communications, 2021, 12, 7195.	5.8	80
34	Tape-Casting Li _{0.34} La _{0.56} TiO ₃ Ceramic Electrolyte Films Permit High Energy Density of Lithium-Metal Batteries. Advanced Materials, 2020, 32, e1906221.	11.1	173
35	Flexible Polypropylene-Supported ZIF-8 Membranes for Highly Efficient Propene/Propane Separation. Journal of the American Chemical Society, 2020, 142, 20915-20919.	6.6	125
36	<i>In situ</i> coupling of CoP with MoO ₂ for enhanced hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 16018-16023.	5.2	29

#	ARTICLE	IF	CITATIONS
37	Electrochemical reduction of nitrate to ammonia via direct eight-electron transfer using a copper ²⁺ molecular solid catalyst. <i>Nature Energy</i> , 2020, 5, 605-613.	19.8	722
38	Antibiotics Separation with MXene Membranes Based on Regularly Stacked High ^z Aspect ^z Ratio Nanosheets. <i>Angewandte Chemie</i> , 2020, 132, 9838-9843.	1.6	20
39	Antibiotics Separation with MXene Membranes Based on Regularly Stacked High ^z Aspect ^z Ratio Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9751-9756.	7.2	134
40	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. <i>Chemical Engineering Science</i> , 2020, 220, 115636.	1.9	36
41	Effective ion sieving with Ti ₃ C ₂ T _x MXene membranes for production of drinking water from seawater. <i>Nature Sustainability</i> , 2020, 3, 296-302.	11.5	468
42	Enhanced air filtration performance under high-humidity condition through electrospun membranes with optimized structure. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1788-1795.	1.7	19
43	Electron ^z State Confinement of Polysulfides for Highly Stable Sodium ^z Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e1907557.	11.1	150
44	Oppositely Charged Ti ₃ C ₂ T _x MXene Membranes with 2D Nanofluidic Channels for Osmotic Energy Harvesting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8720-8726.	7.2	196
45	Oppositely Charged Ti ₃ C ₂ T _x MXene Membranes with 2D Nanofluidic Channels for Osmotic Energy Harvesting. <i>Angewandte Chemie</i> , 2020, 132, 8798-8804.	1.6	65
46	Composite Polymer Electrolyte Incorporating Metal ^z Organic Framework Nanosheets with Improved Electrochemical Stability for All-Solid-State Li Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20514-20521.	4.0	73
47	Balancing the Grain Boundary Structure and the Framework Flexibility through Bimetallic Metal ^z Organic Framework (MOF) Membranes for Gas Separation. <i>Journal of the American Chemical Society</i> , 2020, 142, 9582-9586.	6.6	58
48	Lithium ^z Metal Batteries: Tape ^z Casting Li _{0.34} La _{0.56} TiO ₃ Ceramic Electrolyte Films Permit High Energy Density of Lithium ^z Metal Batteries (Adv. Mater. 6/2020). <i>Advanced Materials</i> , 2020, 32, 2070045.	11.1	5
49	Heterostructured CoS ₂ /NiS ₂ nanoparticles encapsulated in bamboo-like carbon nanotubes as a high performance anode for sodium ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 10404-10409.	1.4	13
50	Metalloid phosphorus cation doping: An effective strategy to improve permeability and stability through the hydrogen permeable membranes. <i>Separation and Purification Technology</i> , 2019, 210, 320-326.	3.9	14
51	Ultra-thin titanium carbide (MXene) sheet membranes for high-efficient oil/water emulsions separation. <i>Journal of Membrane Science</i> , 2019, 592, 117361.	4.1	132
52	High Efficiency Electrochemical Nitrogen Fixation Achieved with a Lower Pressure Reaction System by Changing the Chemical Equilibrium. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15541-15547.	7.2	164
53	High Efficiency Electrochemical Nitrogen Fixation Achieved with a Lower Pressure Reaction System by Changing the Chemical Equilibrium. <i>Angewandte Chemie</i> , 2019, 131, 15687-15693.	1.6	34
54	Frontispiece: Advanced Non ^z metallic Catalysts for Electrochemical Nitrogen Reduction under Ambient Conditions. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	1

#	ARTICLE	IF	CITATIONS
55	Self-Crosslinked MXene (Ti ₃ C ₂ T _x) Membranes with Good Antiswelling Property for Monovalent Metal Ion Exclusion. ACS Nano, 2019, 13, 10535-10544.	7.3	284
56	Enhancing interfacial contact in all solid state batteries with a cathode-supported solid electrolyte membrane framework. Energy and Environmental Science, 2019, 12, 938-944.	15.6	386
57	Innentitelbild: Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets (Angew. Chem. 9/2019). Angewandte Chemie, 2019, 131, 2550-2550.	1.6	0
58	Titanium carbide Ti ₃ C ₂ T _x (MXene) enhanced PAN nanofiber membrane for air purification. Journal of Membrane Science, 2019, 586, 162-169.	4.1	110
59	Surface coating with Li-Ti-O to improve the electrochemical performance of Ni-rich cathode material. Applied Surface Science, 2019, 489, 913-921.	3.1	36
60	Enhanced antipressure ability through graphene oxide membrane by intercalating g-C ₃ N ₄ nanosheets for water purification. AIChE Journal, 2019, 65, e16699.	1.8	54
61	Advanced Non-metallic Catalysts for Electrochemical Nitrogen Reduction under Ambient Conditions. Chemistry - A European Journal, 2019, 25, 12464-12485.	1.7	57
62	Reducing the Interfacial Resistance in All-Solid-State Lithium Batteries Based on Oxide Ceramic Electrolytes. ChemElectroChem, 2019, 6, 2970-2983.	1.7	41
63	Innentitelbild: Fein-Tuning der Porengrößen in versteiften ZIF ₈ -Cm _{1/4} sten durch eine Mixed-Linker-Strategie für verbesserte permeative CO ₂ /CH ₄ -Trennung (Angew.) 10.7843		
64	Hydrogen permeability through Nd _{0.5} W _{0.35} Mo _{0.5} Nb _{0.15} O _{11.25} - $\hat{\nu}$ mixed protonic-electronic conducting membrane. Journal of Membrane Science, 2019, 579, 33-39.	4.1	24
65	Evaluation of hydrogen separation performance of Ni-BaCe _{0.85} Fe _{0.15} O ₃ - $\hat{\nu}$ cermet membranes. Ceramics International, 2019, 45, 10120-10125.	2.3	28
66	Double-layer carbon protected CoS ₂ nanoparticles as an advanced anode for sodium-ion batteries. RSC Advances, 2019, 9, 40956-40960.	1.7	11
67	Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets. Angewandte Chemie, 2019, 131, 2638-2642.	1.6	162
68	Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets. Angewandte Chemie - International Edition, 2019, 58, 2612-2616.	7.2	420
69	Various influence of surface modification on permeability and phase stability through an oxygen permeable membrane. Journal of Membrane Science, 2019, 573, 588-594.	4.1	26
70	Fein-Tuning der Porengrößen in versteiften ZIF ₈ -Cm _{1/4} sten durch eine Mixed-Linker-Strategie für verbesserte permeative CO ₂ /CH ₄ -Trennung. Angewandte Chemie, 2019, 131, 333-337.	1.6	18
71	Nitrogen Fixation by Ru Single-Atom Electrocatalytic Reduction. Chem, 2019, 5, 204-214.	5.8	739
72	Advances in Electrocatalytic N ₂ Reduction—Strategies to Tackle the Selectivity Challenge. Small Methods, 2019, 3, 1800337.	4.6	387

#	ARTICLE	IF	CITATIONS
73	Efficient Electrocatalytic N ₂ Fixation with MXene under Ambient Conditions. <i>Joule</i> , 2019, 3, 279-289.	11.7	577
74	Ultra-tuning of the Aperture Size in Stiffened ZIF-8 ₂ -Cm Frameworks with Mixed-Linker Strategy for Enhanced CO ₂ /CH ₄ Separation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 327-331.	7.2	215
75	Ration design of porous Mn-doped Na ₃ V ₂ (PO ₄) ₃ cathode for high rate and super stable sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 295, 262-269.	2.6	61
76	Solvent-free route for metal-organic framework membranes growth aiming for efficient gas separation. <i>AIChE Journal</i> , 2019, 65, 712-722.	1.8	39
77	Tailoring hydrogen separation performance through the ceramic lanthanum tungstate membranes by chlorine doping. <i>Journal of Membrane Science</i> , 2019, 573, 117-125.	4.1	20
78	Flexible free-standing SnS ₂ /carbon nanofibers anode for high performance sodium-ion batteries. <i>Materials Letters</i> , 2019, 234, 121-124.	1.3	30
79	A paper-supported inorganic composite separator for high-safety lithium-ion batteries. <i>Journal of Membrane Science</i> , 2018, 553, 10-16.	4.1	74
80	A high energy and power sodium-ion hybrid capacitor based on nitrogen-doped hollow carbon nanowires anode. <i>Journal of Power Sources</i> , 2018, 382, 116-121.	4.0	36
81	Highly efficient H ₂ /CO ₂ separation via an ultrathin metal-organic framework membrane. <i>Chemical Engineering Science</i> , 2018, 182, 180-188.	1.9	51
82	Effect of Pt layer on the hydrogen permeation property of La _{5.5} W _{0.45} Nb _{0.15} Mo _{0.4} O _{11.25} - δ membrane. <i>Journal of Membrane Science</i> , 2018, 552, 61-67.	4.1	16
83	PdO/Pd-CeO ₂ hollow spheres with fresh Pd surface for enhancing formic acid oxidation. <i>Chemical Engineering Journal</i> , 2018, 347, 193-201.	6.6	40
84	Anion doping CO ₂ -stable oxygen permeable membranes for syngas production. <i>Chemical Engineering Journal</i> , 2018, 347, 84-90.	6.6	35
85	High oxygen permeation through A-site deficient K ₂ NiF ₄ -type oxide hollow-fiber membrane. <i>Ceramics International</i> , 2018, 44, 10852-10857.	2.3	20
86	MXene molecular sieving membranes for highly efficient gas separation. <i>Nature Communications</i> , 2018, 9, 155.	5.8	825
87	Enhanced water flux through graphitic carbon nitride nanosheets membrane by incorporating polyacrylic acid. <i>AIChE Journal</i> , 2018, 64, 2181-2188.	1.8	66
88	Heteroatom doping and activation of carbon nanofibers enabling ultrafast and stable sodium storage. <i>Electrochimica Acta</i> , 2018, 276, 304-310.	2.6	33
89	High performance hybrid Mg-Li ion batteries with conversion cathodes for low cost energy storage. <i>Electrochimica Acta</i> , 2018, 265, 175-183.	2.6	28
90	Fe-N-doped carbon nanofiber and graphene modified separator for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2018, 333, 564-571.	6.6	161

#	ARTICLE	IF	CITATIONS
91	Low-Voltage Electrolytic Hydrogen Production Derived from Efficient Water and Ethanol Oxidation on Fluorine-Modified FeOOH Anode. ACS Catalysis, 2018, 8, 526-530.	5.5	116
92	A multifunctional separator modified with cobalt and nitrogen co-doped porous carbon nanofibers for Liâ€S batteries. Journal of Membrane Science, 2018, 548, 247-253.	4.1	78
93	Nitrogen Reduction Reaction: Molybdenum Carbide Nanodots Enable Efficient Electrocatalytic Nitrogen Fixation under Ambient Conditions (Adv. Mater. 46/2018). Advanced Materials, 2018, 30, 1870350.	11.1	14
94	Titelbild: 2D MoNâ€VN Heterostructure To Regulate Polysulfides for Highly Efficient Lithiumâ€Sulfur Batteries (Angew. Chem. 51/2018). Angewandte Chemie, 2018, 130, 16809-16809.	1.6	1
95	Molybdenum Carbide Nanodots Enable Efficient Electrocatalytic Nitrogen Fixation under Ambient Conditions. Advanced Materials, 2018, 30, e1803694.	11.1	572
96	Two-dimensional molybdenum nitride nanosheets modified Celgard separator with multifunction for Li S batteries. Journal of Power Sources, 2018, 408, 58-64.	4.0	55
97	2D MoNâ€VN Heterostructure To Regulate Polysulfides for Highly Efficient Lithiumâ€Sulfur Batteries. Angewandte Chemie, 2018, 130, 16945-16949.	1.6	13
98	2D MoNâ€VN Heterostructure To Regulate Polysulfides for Highly Efficient Lithiumâ€Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 16703-16707.	7.2	313
99	Paralyzed membrane: Current-driven synthesis of a metal-organic framework with sharpened propene/propane separation. Science Advances, 2018, 4, eaau1393.	4.7	234
100	Graphene-assisted synthesis of PdFe-embedded porous carbon nanofibers for efficient ethanol electrooxidation. Electrochimica Acta, 2018, 289, 311-318.	2.6	25
101	Selective gas diffusion in two-dimensional MXene lamellar membranes: insights from molecular dynamics simulations. Journal of Materials Chemistry A, 2018, 6, 11734-11742.	5.2	96
102	Heat and mass transfer in a polymeric electrolyte membrane-based electrochemical air dehumidification system: Model development and performance analysis. International Journal of Heat and Mass Transfer, 2018, 126, 888-898.	2.5	18
103	Asymmetric membrane structure: An efficient approach to enhance hydrogen separation performance. Separation and Purification Technology, 2018, 207, 363-369.	3.9	24
104	Confined heat treatment of a Prussian blue analogue for enhanced electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 15942-15946.	5.2	47
105	Self-Assembled Close-Packed MnO ₂ Nanoparticles Anchored on a Polyethylene Separator for Lithiumâ€Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 26274-26282.	4.0	88
106	Perovskite Membranes with Vertically Aligned Microchannels for Allâ€Solidâ€State Lithium Batteries. Advanced Energy Materials, 2018, 8, 1801433.	10.2	176
107	A Twoâ€Dimensional Lamellar Membrane: MXene Nanosheet Stacks. Angewandte Chemie - International Edition, 2017, 56, 1825-1829.	7.2	831
108	A Twoâ€Dimensional Lamellar Membrane: MXene Nanosheet Stacks. Angewandte Chemie, 2017, 129, 1851-1855.	1.6	95

#	ARTICLE	IF	CITATIONS
109	Asphalt-derived high surface area activated porous carbons for the effective adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2017, 162, 192-202.	1.9	92
110	Self-Supported PtAuP Alloy Nanotube Arrays with Enhanced Activity and Stability for Methanol Electro-Oxidation. <i>Small</i> , 2017, 13, 1604000.	5.2	49
111	Selective Adsorption of Light Alkanes on a Highly Robust Indium Based Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4488-4495.	1.8	59
112	Modeling of U-shaped Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ hollow-fiber membrane for oxygen permeation. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 892-897.	1.7	8
113	Highly Compressible Nitrogen-Doped Carbon Foam Electrode with Excellent Rate Capability via a Smart Etching and Catalytic Process. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15477-15483.	4.0	27
114	A nano-silica modified polyimide nanofiber separator with enhanced thermal and wetting properties for high safety lithium-ion batteries. <i>Journal of Membrane Science</i> , 2017, 537, 248-254.	4.1	160
115	Free-standing sulfur host based on titanium-dioxide-modified porous-carbon nanofibers for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 356, 172-180.	4.0	91
116	Hierarchical NiCo ₂ O ₄ nanosheets on carbon nanofiber films for high energy density and long-life Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14530-14536.	5.2	46
117	Water Transport with Ultralow Friction through Partially Exfoliated g-C ₃ N ₄ Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie</i> , 2017, 129, 9102-9108.	1.6	31
118	Water Transport with Ultralow Friction through Partially Exfoliated g-C ₃ N ₄ Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8974-8980.	7.2	266
119	A novel DOBDC-functionalized MIL-100(Fe) and its enhanced CO ₂ capacity and selectivity. <i>Chemical Engineering Journal</i> , 2017, 321, 600-607.	6.6	36
120	Quenched breathing effect, enhanced CO ₂ uptake and improved CO ₂ /CH ₄ selectivity of MIL-53(Cr)/graphene oxide composites. <i>Chemical Engineering Science</i> , 2017, 167, 98-104.	1.9	36
121	A high strength, free-standing cathode constructed by regulating graphitization and the pore structure in nitrogen-doped carbon nanofibers for flexible lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6832-6839.	5.2	94
122	Introduction of metal precursors by electrodeposition for the in situ growth of metal-organic framework membranes on porous metal substrates. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1948-1951.	5.2	65
123	Phase-inversion synthesis of asymmetric-structured La _{5.5} W _{0.6} Mo _{0.4} O _{11.25} membranes with enhanced hydrogen permeation flux. <i>Journal of Alloys and Compounds</i> , 2017, 729, 890-896.	2.8	12
124	Self-Sacrificial Template Strategy Coupled with Smart <i>In Situ</i> Seeding for Highly Oriented Metal-Organic Framework Layers: From Films to Membranes. <i>Chemistry of Materials</i> , 2017, 29, 7103-7107.	3.2	60
125	Effect of the La/W ratio in lanthanum tungstate on the structure, stability and hydrogen permeation properties. <i>Journal of Membrane Science</i> , 2017, 542, 300-306.	4.1	18
126	Tuning the separation performance of hydrogen permeable membranes using an anion doping strategy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20482-20490.	5.2	32

#	ARTICLE	IF	CITATIONS
127	Frontispiece: Water Transport with Ultralow Friction through Partially Exfoliated Graphene Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
128	Frontispiz: Water Transport with Ultralow Friction through Partially Exfoliated Graphene Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie</i> , 2017, 129, .	1.6	2
129	A 3D Hybrid of Chemically Coupled Nickel Sulfide and Hollow Carbon Spheres for High Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702524.	7.8	340
130	CO ₂ -tolerant Ni-La ₅ WO _{11.25} - γ dual-phase membranes with enhanced H ₂ permeability. <i>Ceramics International</i> , 2017, 43, 14608-14615.	2.3	18
131	Ammonia Electrosynthesis with High Selectivity under Ambient Conditions via a Li ⁺ Incorporation Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 9771-9774.	6.6	547
132	CO ₂ -stable Ce _{0.9} Gd _{0.1} O _{2-δ} -perovskite dual phase oxygen separation membranes and the application in partial oxidation of methane to syngas. <i>Chemical Engineering Journal</i> , 2017, 327, 202-209.	6.6	52
133	Fe ₃ O ₄ /SnO ₂ /rGO ternary composite as a high-performance anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 693, 1174-1179.	2.8	30
134	Ultrafast room temperature synthesis of novel composites Imi@Cu-BTC with improved stability against moisture. <i>Chemical Engineering Journal</i> , 2017, 307, 537-543.	6.6	51
135	CO ₂ -tolerant U-shaped hollow fiber membranes for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4208-4215.	3.8	19
136	Enhanced separator wettability by LiTFSI and its application for lithium metal batteries. <i>Journal of Membrane Science</i> , 2017, 524, 315-320.	4.1	67
137	Flexible SnO ₂ /N-Doped Carbon Nanofiber Films as Integrated Electrodes for Lithium-Ion Batteries with Superior Rate Capacity and Long Cycle Life. <i>Small</i> , 2016, 12, 853-859.	5.2	292
138	A novel carbonized polydopamine (C-PDA) adsorbent with high CO ₂ adsorption capacity and water vapor resistance. <i>AIChE Journal</i> , 2016, 62, 3730-3738.	1.8	43
139	Freestanding, Hydrophilic Nitrogen-Doped Carbon Foams for Highly Compressible All Solid-State Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 5997-6002.	11.1	285
140	Freestanding Nitrogen-Doped Carbon Nanofiber Films: Integrated Electrodes for Sodium-Ion Batteries with Ultralong Cycle Life and Superior Rate Capability. <i>Advanced Energy Materials</i> , 2016, 6, 1502217.	10.2	440
141	Eine zweiphasige Keramikmembran mit extrem hohem Wasserstoff-Fluss durch Entmischung einer keramischen Vorstufe. <i>Angewandte Chemie</i> , 2016, 128, 11055-11058.	1.6	4
142	Thermoresponsive Acidic Microgels as Functional Draw Agents for Forward Osmosis Desalination. <i>Environmental Science & Technology</i> , 2016, 50, 4221-4228.	4.6	41
143	Coaxial Co ₃ O ₄ @polypyrrole core-shell nanowire arrays for high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 209, 192-200.	2.6	50
144	Mechanochemical synthesis of Cu-BTC@GO with enhanced water stability and toluene adsorption capacity. <i>Chemical Engineering Journal</i> , 2016, 298, 191-197.	6.6	182

#	ARTICLE	IF	CITATIONS
145	Graphene-based nitrogen-doped carbon sandwich nanosheets: a new capacitive process controlled anode material for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8630-8635.	5.2	170
146	Highly ordered ZnMnO ₃ nanotube arrays from a self-sacrificial ZnO template as high-performance electrodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16318-16323.	5.2	36
147	A Dual-Phase Ceramic Membrane with Extremely High H ₂ Permeation Flux Prepared by Autoseparation of a Ceramic Precursor. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10895-10898.	7.2	76
148	Novel C-PDA adsorbents with high uptake and preferential adsorption of ethane over ethylene. <i>Chemical Engineering Science</i> , 2016, 155, 338-347.	1.9	75
149	Ultrafast room temperature synthesis of GrO@HKUST-1 composites with high CO ₂ adsorption capacity and CO ₂ /N ₂ adsorption selectivity. <i>Chemical Engineering Journal</i> , 2016, 303, 231-237.	6.6	117
150	TiN-coated micron-sized tantalum-doped Li ₄ Ti ₅ O ₁₂ with enhanced anodic performance for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 687, 746-753.	2.8	39
151	Green fabrication of cellulose/graphene composite in ionic liquid and its electrochemical and photothermal properties. <i>Chemical Engineering Journal</i> , 2016, 299, 45-55.	6.6	57
152	Iron based dual-metal oxides on graphene for lithium-ion batteries anode: Effects of composition and morphology. <i>Journal of Alloys and Compounds</i> , 2016, 684, 47-54.	2.8	18
153	Sodium Ion Batteries: Free-standing Nitrogen-doped Carbon Nanofiber Films: Integrated Electrodes for Sodium-ion Batteries with Ultralong Cycle Life and Superior Rate Capability (<i>Adv. Energy Mater.</i> 7/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	10.2	2
154	Enhancement on the wettability of lithium battery separator toward nonaqueous electrolytes. <i>Journal of Membrane Science</i> , 2016, 503, 25-30.	4.1	95
155	Porous Na ₃ V ₂ (PO ₄) ₃ @C nanoparticles enwrapped in three-dimensional graphene for high performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1180-1185.	5.2	119
156	Catalytic adsorptive desulfurization of model diesel fuel using TiO ₂ /SBA-15 under mild conditions. <i>Fuel</i> , 2016, 174, 118-125.	3.4	67
157	Interconnected Fe ₂ O ₃ nanosheet arrays as high-performance anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 192, 407-413.	2.6	50
158	Silicon/Wolfram Carbide@Graphene composite: enhancing conductivity and structure stability in amorphous-silicon for high lithium storage performance. <i>Electrochimica Acta</i> , 2016, 191, 462-472.	2.6	32
159	Gas to Liquids: Natural Gas Conversion to Aromatic Fuels and Chemicals in a Hydrogen-Permeable Ceramic Hollow Fiber Membrane Reactor. <i>ACS Catalysis</i> , 2016, 6, 2448-2451.	5.5	70
160	A thin inorganic composite separator for lithium-ion batteries. <i>Journal of Membrane Science</i> , 2016, 509, 19-26.	4.1	88
161	Niobium and molybdenum co-doped La _{0.5} WO _{1.25} membrane with improved hydrogen permeability. <i>Journal of Membrane Science</i> , 2016, 510, 155-163.	4.1	37
162	Novel cobalt-free tantalum-doped perovskite BaFe _{1-x} Ta _y O ₃ with high oxygen permeation. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 339-344.	1.7	5

#	ARTICLE	IF	CITATIONS
163	Chemically drilling carbon nanotubes for electrocatalytic oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016, 190, 49-56.	2.6	34
164	Nitrogen-doped porous carbon derived from residuary shaddock peel: a promising and sustainable anode for high energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 372-378.	5.2	123
165	The phase stability of the Ruddlesden-Popper type oxide (Pr _{0.9} La _{0.1}) ₂ O·Ni _{0.74} Cu _{0.21} Ga _{0.05} O ₄₊ in an oxidizing environment. <i>Journal of Membrane Science</i> , 2016, 497, 357-364.	4.1	25
166	Electrospun porous vanadium pentoxide nanotubes as a high-performance cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 173, 131-138.	2.6	43
167	A supported Cu(I)@MIL-100(Fe) adsorbent with high CO adsorption capacity and CO/N ₂ selectivity. <i>Chemical Engineering Journal</i> , 2015, 270, 282-289.	6.6	128
168	Honeycomb-like NiMoO ₄ ultrathin nanosheet arrays for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6128-6135.	5.2	203
169	Enhanced separation performance of a novel composite material GrO@MIL-101 for CO ₂ /CH ₄ binary mixture. <i>Chemical Engineering Journal</i> , 2015, 266, 339-344.	6.6	106
170	Three-dimensional MnO ₂ ultrathin nanosheet aerogels for high-performance Li ⁺ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2559-2563.	5.2	85
171	Highly enhanced and weakened adsorption properties of two MOFs by water vapor for separation of CO ₂ /CH ₄ and CO ₂ /N ₂ binary mixtures. <i>Chemical Engineering Journal</i> , 2015, 270, 385-392.	6.6	115
172	A CO ₂ -stable hollow fiber membrane with high hydrogen permeation flux. <i>AIChE Journal</i> , 2015, 61, 1997-2007.	1.8	45
173	Tailoring of the trap distribution and crystal field in Cr ³⁺ -doped non-gallate phosphors with near-infrared long-persistence phosphorescence. <i>NPG Asia Materials</i> , 2015, 7, e180-e180.	3.8	127
174	Selective adsorption of thiophenic compounds from fuel over TiO ₂ /SiO ₂ under UV-irradiation. <i>Journal of Hazardous Materials</i> , 2015, 300, 426-432.	6.5	43
175	Porous nitrogen doped carbon sphere as high performance anode of sodium-ion battery. <i>Carbon</i> , 2015, 94, 888-894.	5.4	144
176	Enhanced stability of Zr-doped Ba(CeTb)O ₃ -Ni cermet membrane for hydrogen separation. <i>Chemical Communications</i> , 2015, 51, 11619-11621.	2.2	35
177	Vapor-enhanced CO ₂ adsorption mechanism of composite PEI@ZIF-8 modified by polyethyleneimine for CO ₂ /N ₂ separation. <i>Chemical Engineering Journal</i> , 2015, 280, 363-369.	6.6	94
178	Tantalum-doped lithium titanate with enhanced performance for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 283, 372-380.	4.0	83
179	A stable and high-capacity anode for lithium-ion battery: Fe ₂ O ₃ wrapped by few layered graphene. <i>Journal of Power Sources</i> , 2015, 288, 314-319.	4.0	76
180	Hydrogen permeability and stability of BaCe _{0.85} Tb _{0.05} Zr _{0.1} O ₃ asymmetric membranes. <i>Journal of Membrane Science</i> , 2015, 488, 173-181.	4.1	36

#	ARTICLE	IF	CITATIONS
181	Highly stable PtP alloy nanotube arrays as a catalyst for the oxygen reduction reaction in acidic medium. <i>Chemical Science</i> , 2015, 6, 3211-3216.	3.7	63
182	Synthesis of novel nitrogen-doped lithium titanate with ultra-high rate capability using melamine as a solid nitrogen source. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10753-10759.	5.2	45
183	Hierarchical Mesoporous/Macroporous Perovskite $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ Nanotubes: A Bifunctional Catalyst with Enhanced Activity and Cycle Stability for Rechargeable Lithium Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22478-22486.	4.0	130
184	Cobalt-free gadolinium-doped perovskite $\text{Gd}_x\text{Ba}_{1-x}\text{FeO}_3$ as high-performance materials for oxygen separation. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1763-1767.	1.7	5
185	Binder-free CoO nanowire arrays for lithium ion batteries with excellent rate capability and ultra-long cycle life. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19711-19717.	5.2	39
186	Competitive adsorption of water vapor with VOCs dichloroethane, ethyl acetate and benzene on MIL-101(Cr) in humid atmosphere. <i>RSC Advances</i> , 2015, 5, 1827-1834.	1.7	92
187	Visible light photoelectrochemical properties of a hydrogenated TiO_2 nanorod film and its application in the detection of chemical oxygen demand. <i>RSC Advances</i> , 2015, 5, 76315-76320.	1.7	20
188	A new CO_2 -resistant Ruddlesden-Popper oxide with superior oxygen transport: A-site deficient $(\text{Pr}_{0.9}\text{La}_{0.1})_{1.9}(\text{Ni}_{0.74}\text{Cu}_{0.21}\text{Ga}_{0.05})\text{TiO}_4$. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19107-19114.	5.2	48
189	Nitrogen-doped bamboo-like carbon nanotubes: promising anode materials for sodium-ion batteries. <i>Chemical Communications</i> , 2015, 51, 16045-16048.	2.2	104
190	Enhanced activity and durability of platinum anode catalyst by the modification of cobalt phosphide for direct methanol fuel cells. <i>Electrochimica Acta</i> , 2015, 185, 178-183.	2.6	27
191	Novel bifunctional tantalum and bismuth co-doped perovskite $\text{BaBi}_{0.05}\text{Co}_{0.8}\text{Ta}_{0.15}\text{O}_3$ with high oxygen permeation. <i>Journal of Membrane Science</i> , 2014, 468, 184-191.	4.1	19
192	Porous SnO_2/C /graphene nanocomposite with 3D carbon conductive network as a superior anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 116, 103-110.	2.6	130
193	Superior cycle stability of graphene nanosheets prepared by freeze-drying process as anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 254, 198-203.	4.0	44
194	Performance of U-shaped $\text{BaCo}_{0.7}\text{Fe}_{0.2}\text{Ta}_{0.1}\text{O}_3$ hollow-fiber membranes reactor with high oxygen permeation for methane conversion. <i>Chemical Engineering Journal</i> , 2014, 237, 146-152.	6.6	20
195	Porous SiO_2 as a separator to improve the electrochemical performance of spinel LiMn_2O_4 cathode. <i>Journal of Membrane Science</i> , 2014, 449, 169-175.	4.1	52
196	Catalytic performance of plasma catalysis system with nickel oxide catalysts on different supports for toluene removal: Effect of water vapor. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 265-272.	10.8	111
197	Oxygen permeability and structure stability of a novel cobalt-free perovskite $\text{Gd}_{0.33}\text{Ba}_{0.67}\text{FeO}_3$. <i>Journal of Membrane Science</i> , 2014, 457, 82-87.	4.1	11
198	Aerobic oxidation of benzyl alcohol to benzaldehyde catalyzed by carbon nanotubes without any promoter. <i>Chemical Engineering Journal</i> , 2014, 240, 434-442.	6.6	96

#	ARTICLE	IF	CITATIONS
199	High performance hydrogenated TiO ₂ nanorod arrays as a photoelectrochemical sensor for organic compounds under visible light. <i>Electrochemistry Communications</i> , 2014, 40, 24-27.	2.3	74
200	Towards easy reversible dehydrogenation of LiBH ₄ by catalyzing hierarchic nanostructured CoB. <i>Nano Energy</i> , 2014, 10, 235-244.	8.2	52
201	A CO ₂ -stable reduction-tolerant Nd-containing dual phase membrane for oxyfuel CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7780-7787.	5.2	61
202	SnO ₂ decorated graphene nanocomposite anode materials prepared via an up-scalable wet-mechanochemical process for sodium ion batteries. <i>RSC Advances</i> , 2014, 4, 50148-50152.	1.7	43
203	Ultrathin and highly-ordered CoO nanosheet arrays for lithium-ion batteries with high cycle stability and rate capability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5625-5630.	5.2	97
204	Novel nitrogen-rich porous carbon spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16617-16622.	5.2	57
205	Partial oxidation of methane in hollow fiber membrane reactors based on alkaline earth metal-free CO ₂ -tolerant oxide. <i>AIChE Journal</i> , 2014, 60, 3587-3595.	1.8	25
206	Adsorptive Denitrogenation of Fuel over Metal Organic Frameworks: Effect of N-Types and Adsorption Mechanisms. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22533-22543.	1.5	34
207	Embedding nano-silicon in graphene nanosheets by plasma assisted milling for high capacity anode materials in lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 268, 610-618.	4.0	110
208	A Combined Experimental/Computational Study on the Adsorption of Organosulfur Compounds over Metal-Organic Frameworks from Fuels. <i>Langmuir</i> , 2014, 30, 1080-1088.	1.6	121
209	Facile synthesis of ultrathin-shell graphene hollow spheres for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 139, 96-103.	2.6	71
210	Performance of through-hole anodic aluminum oxide membrane as a separator for lithium-ion battery. <i>Journal of Membrane Science</i> , 2014, 461, 22-27.	4.1	60
211	A novel MOF/graphene oxide composite GrO@MIL-101 with high adsorption capacity for acetone. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4722-4730.	5.2	202
212	Grass-like Co ₃ O ₄ nanowire arrays anode with high rate capability and excellent cycling stability for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 135, 35-41.	2.6	85
213	Preparation and Adsorption Performance of GrO@Cu-BTC for Separation of CO ₂ /CH ₄ . <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11176-11184.	1.8	124
214	Design and synthesis of porous nano-sized Sn@C/graphene electrode material with 3D carbon network for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2014, 604, 188-195.	2.8	47
215	Influence of SO ₂ on the phase structure, oxygen permeation and microstructure of K ₂ NiF ₄ -type hollow fiber membranes. <i>Chemical Engineering Journal</i> , 2013, 217, 34-40.	6.6	9
216	Walnut-like vanadium oxide film with high rate performance as a cathode material for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2013, 228, 7-13.	4.0	9

#	ARTICLE	IF	CITATIONS
217	Oxy-fuel combustion for CO ₂ capture using a CO ₂ -tolerant oxygen transporting membrane. <i>AIChE Journal</i> , 2013, 59, 3856-3862.	1.8	13
218	Hydrothermal synthesis of SnO ₂ and SnO ₂ @C nanorods and their application as anode materials in lithium-ion batteries. <i>RSC Advances</i> , 2013, 3, 17281.	1.7	25
219	Enhancement of CO ₂ Adsorption and Selectivity on ZIF-8 via Postsynthetic Modification. <i>AIChE Journal</i> , 2013, 59, 2195-2206.	1.8	171
220	Li ₃ V ₂ (PO ₄) ₃ @C/graphene composite with improved cycling performance as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 91, 108-113.	2.6	49
221	CO ₂ -tolerant alkaline-earth metal-free single phase membrane for oxygen separation. <i>Chemical Engineering Science</i> , 2013, 101, 240-247.	1.9	22
222	Effect of CO ₂ and SO ₂ on oxygen permeation and microstructure of (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Ga _{0.05})O _{4+δ} membranes. <i>Journal of Membrane Science</i> , 2013, 429, 147-154.	4.1	38
223	Enhancement of oxygen permeation through U-shaped K ₂ NiF ₄ -type oxide hollow fiber membranes by surface modifications. <i>Separation and Purification Technology</i> , 2013, 110, 74-80.	3.9	21
224	A Novel Aminoalkylsilane Compound with Oligo(ethylene oxide) Units as Effective Additive for Improving Cyclability of Lithium-ion Batteries. <i>Journal of Materials Science and Technology</i> , 2013, 29, 943-947.	5.6	11
225	A CO ₂ -tolerance oxygen permeable 60Ce _{0.9} Gd _{0.1} O ₂ -40Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ dual phase membrane. <i>Journal of Membrane Science</i> , 2013, 443, 124-130.	4.1	94
226	High rate capability of 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
227	Superhigh capacity and rate capability of high-level nitrogen-doped graphene sheets as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 90, 492-497.	2.6	114
228	Dense ceramic oxygen permeable membranes and catalytic membrane reactors. <i>Chemical Engineering Journal</i> , 2013, 220, 185-203.	6.6	177
229	A CO ₂ -Stable K ₂ NiF ₄ -Type Oxide (Nd _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Al _{0.05})O _{4+δ} for Oxygen Separation. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 8571-8578.	4.3	43
230	Free-standing and bendable carbon nanotubes/TiO ₂ nanofibres composite electrodes for flexible lithium ion batteries. <i>Electrochimica Acta</i> , 2013, 104, 41-47.	2.6	64
231	Preparation and electrochemical properties of (Fe _{2.5} Ti _{0.5}) _{1.04} O ₄ -graphene nanocomposite. <i>Electrochimica Acta</i> , 2013, 104, 267-273.	2.6	7
232	Pr _{1.8} La _{0.2} Ni _{0.74} Cu _{0.21} Ga _{0.05} O _{4+δ} as a potential cathode material with CO ₂ resistance for intermediate temperature solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10552-10558.	3.8	25
233	Synthesis of Microspherical LiFePO ₄ -Carbon Composites for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2013, 3, 443-452.	1.9	19
234	Efficient Energy Transfer and Enhanced Infrared Emission in Er-Doped ZnO-SiO ₂ Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13458-13462.	1.5	61

#	ARTICLE	IF	CITATIONS
235	A novel U-shaped anode-supported hollow fiber solid oxide fuel cell with considerable thermal cycling performance and stability. <i>Journal of Membrane Science</i> , 2012, 417-418, 80-86.	4.1	9
236	Novel asymmetric anode-supported hollow fiber solid oxide fuel cell. <i>Journal of Alloys and Compounds</i> , 2012, 523, 134-138.	2.8	9
237	U-Shaped BaCo _{0.7} Fe _{0.2} Ta _{0.1} O ₃ Hollow-Fiber Membranes with High Permeation for Oxygen Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15217-15223.	1.8	14
238	Nano-silicon composites using poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) as elastic polymermatrix and carbon source for lithium-ion battery anode. <i>Journal of Materials Chemistry</i> , 2012, 22, 1094-1099.	6.7	100
239	Rapid glycine-nitrate combustion synthesis of the CO ₂ -stable dual phase membrane 40Mn1.5Co1.5O ₄ âˆ“60Ce0.9Pr0.1O ₂ âˆ“ for CO ₂ capture via an oxy-fuel process. <i>Journal of Membrane Science</i> , 2012, 423-424, 450-458.	4.1	28
240	Graphene sheets as anode materials for Li-ion batteries: preparation, structure, electrochemical properties and mechanism for lithium storage. <i>RSC Advances</i> , 2012, 2, 6792.	1.7	154
241	Novel Cobalt-Free, Noble Metal-Free Oxygen-Permeable 40Pr _{0.6} Sr _{0.4} FeO ₃ âˆ“60Ce _{0.9} Pr _{0.1} O ₂ âˆ“ Dual-Phase Membrane. <i>Chemistry of Materials</i> , 2012, 24, 2148-2154.	1.8	113
242	Oxygen permeation through a CO ₂ -tolerant mixed conducting oxide (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Ga _{0.05}) ₄ . <i>AIChE Journal</i> , 2012, 58, 2473-2478.	1.8	44
243	Oxygen separation through U-shaped hollow fiber membrane using pure CO ₂ as sweep gas. <i>AIChE Journal</i> , 2012, 58, 2856-2864.	1.8	47
244	Dual Phase Composite Oxide of Ce _{0.9} Gd _{0.1} O ₂ -Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ with Excellent Oxygen Permeation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4703-4709.	1.8	39
245	Self-standing integrative cell with an inorganic separator for lithium-ion battery stacks. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 471-475.	1.5	5
246	Activation in the initial stage of oxygen permeation in SrCo _{0.9} Ta _{0.1} O ₃ . <i>Chinese Chemical Letters</i> , 2012, 23, 113-116.	4.8	4
247	One end-dead perovskite hollow fiber membranes for high-purity oxygen production from ambient air. <i>Chemical Engineering Journal</i> , 2012, 183, 473-482.	6.6	12
248	High specific capacity of 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
249	Porous Li ₃ V ₂ (PO ₄) ₃ /C cathode with extremely high-rate capacity prepared by a sol-gel-combustion method for fast charging and discharging. <i>Journal of Power Sources</i> , 2012, 203, 121-125.	4.0	90
250	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
251	Effect of Nb-doping on electrochemical stability of Li ₄ Ti ₅ O ₁₂ discharged to 0V. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 205-211.	1.2	72
252	Three-dimensional porous V ₂ O ₅ cathode with ultra high rate capability. <i>Energy and Environmental Science</i> , 2011, 4, 2854.	15.6	157

#	ARTICLE	IF	CITATIONS
253	Oxygen Permeation through U-Shaped $K_{2}NiF_{4}$ -Type Oxide Hollow-Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 12727-12734.	1.8	26
254	Porous monodisperse $V_{2}O_{5}$ microspheres as cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 6365.	6.7	192
255	CHLORINE-DOPED $Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-\delta}$ AS AN OXYGEN-PERMEABLE MEMBRANE AT INTERMEDIATE TEMPERATURE. <i>Functional Materials Letters</i> , 2011, 04, 261-264.	0.7	6
256	CO_{2} -Tolerant Oxygen-Permeable $Fe_{2}O_{3}-Ce_{0.9}Gd_{0.1}O_{2-\delta}$ Dual Phase Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13508-13517.	1.8	69
257	Sol-gel synthesis and electrochemical performance of $LiTi_{5}O_{12}$ /graphene composite anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7205-7209.	2.8	92
258	An inorganic membrane as a separator for lithium-ion battery. <i>Journal of Power Sources</i> , 2011, 196, 8651-8655.	4.0	191
259	A novel $Fe_{3}O_{4}-SnO_{2}$ -graphene ternary nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2011, 58, 81-88.	2.6	71
260	Syngas production in a novel perovskite membrane reactor with co-feed of CO_{2} . <i>Chinese Chemical Letters</i> , 2011, 22, 1492-1496.	4.8	10
261	Improvement of CO_{2} adsorption on ZIF-8 crystals modified by enhancing basicity of surface. <i>Chemical Engineering Science</i> , 2011, 66, 4878-4888.	1.9	175
262	Optimizing the compatibility between dimethyl methylphosphonate (DMMP)-based electrolytes and carbonaceous anodes. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 965-971.	1.5	3
263	Hydrothermal synthesis of ultra-thin $LiFePO_{4}$ platelets for Li-ion batteries. <i>Journal of Materials Science</i> , 2011, 46, 4906-4912.	1.7	21
264	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
265	Effect of vinyl ethylene carbonate on the compatibility between graphite and the flame-retarded electrolytes containing dimethyl methyl phosphonate. <i>Ionics</i> , 2011, 17, 415-420.	1.2	8
266	Preparation and oxygen permeation of U-shaped perovskite hollow-fiber membranes. <i>AIChE Journal</i> , 2011, 57, 975-984.	1.8	55
267	Influence of the preparation methods on the microstructure and oxygen permeability of a CO_{2} -stable dual phase membrane. <i>AIChE Journal</i> , 2011, 57, 2738-2745.	1.8	57
268	CO_{2} -Stable and Cobalt-Free Dual-Phase Membrane for Oxygen Separation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 759-763.	7.2	190
269	High reversible capacity of SnO_{2} /graphene nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 4532-4539.	2.6	376
270	Graphitic platelets prepared by electrochemical exfoliation of graphite and their application for Li energy storage. <i>Electrochimica Acta</i> , 2011, 56, 5322-5327.	2.6	17

#	ARTICLE	IF	CITATIONS
271	Tantalum stabilized SrCoO ₃ perovskite membrane for oxygen separation. Journal of Membrane Science, 2011, 368, 159-164.	4.1	69
272	Oxygen permeability and structural stability of a novel tantalum-doped perovskite BaCo _{0.7} Fe _{0.2} Ta _{0.1} O ₃ . AICHE Journal, 2010, 56, 604-610.	1.8	17
273	Oxidative Coupling of Methane with High C ₂ Yield by using Chlorinated Perovskite Ba _{0.5} Sr _{0.5} Fe _{0.2} Co _{0.8} O ₃ as Catalyst and N ₂ O as Oxidant. ChemCatChem, 2010, 2, 1539-1542.	1.8	28
274	Enhancement of CO ₂ adsorption on high surface area activated carbon modified by N ₂ , H ₂ and ammonia. Chemical Engineering Journal, 2010, 160, 571-577.	6.6	164
275	Hydrogen Production by Water Dissociation in Surface-Modified BaCo _x Fe _y Zr _{1-x-y} O ₃ Hollow-Fiber Membrane Reactor with Improved Oxygen Permeation. Chemistry - A European Journal, 2010, 16, 7898-7903.	1.7	50
276	Performance of a ceramic membrane reactor with high oxygen flux Ta-containing perovskite for the partial oxidation of methane to syngas. Journal of Membrane Science, 2010, 350, 154-160.	4.1	105
277	Fe ₃ O ₄ submicron spheroids as anode materials for lithium-ion batteries with stable and high electrochemical performance. Journal of Power Sources, 2010, 195, 5379-5381.	4.0	162
278	Improved water dissociation and nitrous oxide decomposition by in situ oxygen removal in perovskite catalytic membrane reactor. Catalysis Today, 2010, 156, 187-190.	2.2	41
279	Large reversible capacity of high quality graphene sheets as an anode material for lithium-ion batteries. Electrochimica Acta, 2010, 55, 3909-3914.	2.6	983
280	Niobium doped lithium titanate as a high rate anode material for Li-ion batteries. Electrochimica Acta, 2010, 55, 5453-5458.	2.6	216
281	Enhanced cycling performance of Fe ₃ O ₄ -graphene nanocomposite as an anode material for lithium-ion batteries. Electrochimica Acta, 2010, 56, 834-840.	2.6	389
282	Oxygen selective ceramic hollow fiber membranes for partial oxidation of methane. AICHE Journal, 2009, 55, 2657-2664.	1.8	52
283	Direct Decomposition of Nitrous Oxide to Nitrogen by In-Situ Oxygen Removal with a Perovskite Membrane. Angewandte Chemie - International Edition, 2009, 48, 2983-2986.	7.2	130
284	Cover Picture: Direct Decomposition of Nitrous Oxide to Nitrogen by In-Situ Oxygen Removal with a Perovskite Membrane (Angew. Chem. Int. Ed. 16/2009). Angewandte Chemie - International Edition, 2009, 48, 2807-2807.	7.2	1
285	Preparation and hydrogen permeation of BaCe _{0.95} Nd _{0.05} O ₃ membranes. Journal of Membrane Science, 2009, 343, 90-96.	4.1	77
286	Synthesis of LiFePO ₄ -C cathode materials using a green and low-cost method. Ionics, 2009, 15, 689-692.	1.2	8
287	Selective oxidation of CH ₄ and C ₂ H ₆ over a mixed oxygen ion and electron conducting perovskite-A TAP and membrane reactors study. Journal of Molecular Catalysis A, 2009, 297, 142-149.	4.8	26
288	Novel Ba _{0.5} Sr _{0.5} Fe _{0.8} Zn _{0.2} O ₃ membranes for POM. Chinese Chemical Letters, 2009, 20, 250-252.	4.8	6

#	ARTICLE	IF	CITATIONS
289	A novel zincum-doped perovskite-type ceramic membrane for oxygen separation. Journal of Alloys and Compounds, 2009, 484, 386-389.	2.8	30
290	Preparation of LiMn ₂ O ₄ with an enhanced performance by mixed liquid and mechanical activations. Journal of Alloys and Compounds, 2009, 486, 886-889.	2.8	12
291	Highly effective NO decomposition by in situ removal of inhibitor oxygen using an oxygen transporting membrane. Chemical Communications, 2009, , 6738.	2.2	48
292	Simultaneous Production of Hydrogen and Synthesis Gas by Combining Water Splitting with Partial Oxidation of Methane in a Hollow-Fiber Membrane Reactor. Angewandte Chemie - International Edition, 2008, 47, 9341-9344.	7.2	204
293	Grain boundaries as barrier for oxygen transport in perovskite-type membranes. Journal of Membrane Science, 2008, 316, 137-144.	4.1	37
294	Relationship between homogeneity and oxygen permeability of composite membranes. Journal of Membrane Science, 2008, 309, 120-127.	4.1	76
295	Oxygen production at low temperature using dense perovskite hollow fiber membranes. Journal of Membrane Science, 2008, 322, 214-217.	4.1	53
296	Preparation and hydrogen permeation properties of BaCe _{0.95} Nd _{0.05} O _{3-δ} membranes. Chinese Chemical Letters, 2008, 19, 1256-1259.	4.8	9
297	The sol-gel synthesis of perovskites by an EDTA/citrate complexing method involves nanoscale solid state reactions. Solid State Sciences, 2008, 10, 689-701.	1.5	79
298	Preparation and Application of Perovskite Hollow Fiber Oxygen Permeable Membrane. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2008, 23, 1216-1220.	0.6	1
299	Advanced Ba _{0.5} Sr _{0.5} Zn _{0.2} Fe _{0.8} O _{3-δ} perovskite-type ceramics as oxygen selective membranes: Evaluation of the synthetic process. Progress in Solid State Chemistry, 2007, 35, 339-353.	3.9	40
300	Catalytic Membrane Reactors for Partial Oxidation Using Perovskite Hollow Fiber Membranes and for Partial Hydrogenation Using a Catalytic Membrane Contactor. Industrial & Engineering Chemistry Research, 2007, 46, 2286-2294.	1.8	80
301	How (Ba _{0.5} Sr _{0.5})(Fe _{0.8} Zn _{0.2})O _{3-δ} and (Ba _{0.5} Sr _{0.5})(Co _{0.8} Fe _{0.2})O _{3-δ} Perovskites Form via an EDTA/Citric Acid Complexing Method. Advanced Materials, 2007, 19, 2134-2140.	11.1	67
302	Influence of CO ₂ on the oxygen permeation performance and the microstructure of perovskite-type (Ba _{0.5} Sr _{0.5})(Co _{0.8} Fe _{0.2})O _{3-δ} membranes. Journal of Membrane Science, 2007, 293, 44-52.	4.1	344
303	In Situ Study of the Reaction Sequence in the Sol-Gel Synthesis of a (Ba _{0.5} Sr _{0.5})(Co _{0.8} Fe _{0.2})O _{3-δ} Perovskite by X-Ray Diffraction and Transmission Electron Microscopy. Journal of the American Ceramic Society, 2007, 90, 3651-3655.	1.9	21
304	Partial oxidation of methane to syngas in a perovskite hollow fiber membrane reactor. Catalysis Communications, 2006, 7, 907-912.	1.6	67
305	Perovskite hollow fibre membranes in the partial oxidation of methane to synthesis gas in a membrane reactor. Desalination, 2006, 199, 415-417.	4.0	22
306	Can inorganic membranes compete with organic ones? Perovskite hollow fibres for O ₂ -separation and supported H ₂ -selective zeolite membranes. Desalination, 2006, 199, 365-367.	4.0	2

#	ARTICLE	IF	CITATIONS
307	Dense perovskite hollow fibre membranes. <i>Desalination</i> , 2006, 199, 355-356.	4.0	6
308	Hollow fiber membrane reactors for the oxidative activation of ethane. <i>Catalysis Today</i> , 2006, 118, 98-103.	2.2	57
309	Evaluation of perovskites in hollow fibre and disk geometry in catalytic membrane reactors and in oxygen separators. <i>Catalysis Today</i> , 2006, 118, 128-135.	2.2	45
310	Experimental and modeling study of the O ₂ -enrichment by perovskite fibers. <i>AIChE Journal</i> , 2006, 52, 3118-3125.	1.8	34
311	Partial oxidation of methane to syngas in BaCe _{0.15} Fe _{0.85} O ₃ membrane reactors. <i>Catalysis Letters</i> , 2006, 111, 179-185.	1.4	51
312	Mixed oxygen ion and electron conducting hollow fiber membranes for oxygen separation. <i>Solid State Ionics</i> , 2006, 177, 2255-2259.	1.3	34
313	Structural stability and oxygen permeability of cerium lightly doped BaFeO ₃ ceramic membranes. <i>Solid State Ionics</i> , 2006, 177, 2917-2921.	1.3	150
314	Production of high-purity oxygen by perovskite hollow fiber membranes swept with steam. <i>Journal of Membrane Science</i> , 2006, 284, 5-8.	4.1	41
315	Hollow fibre perovskite membranes for oxygen separation. <i>Journal of Membrane Science</i> , 2005, 258, 1-4.	4.1	213
316	Investigation of phase structure, sintering, and permeability of perovskite-type Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ membranes. <i>Journal of Membrane Science</i> , 2005, 262, 20-26.	4.1	150
317	Oxygen permeation study of perovskite hollow fiber membranes. <i>Catalysis Today</i> , 2005, 104, 126-130.	2.2	56
318	In situ high temperature X-ray diffraction studies of mixed ionic and electronic conducting perovskite-type membranes. <i>Materials Letters</i> , 2005, 59, 3750-3755.	1.3	46
319	Perovskite Hollow-Fiber Membranes for the Production of Oxygen-Enriched Air. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6906-6909.	7.2	157
320	A Cobalt-Free Oxygen-Permeable Membrane Based on the Perovskite-Type Oxide Ba _{0.5} Sr _{0.5} Zn _{0.2} Fe _{0.8} O ₃ . <i>Advanced Materials</i> , 2005, 17, 1785-1788.	11.1	244
321	Oxidative coupling of methane in Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ tubular membrane reactors. <i>Catalysis Today</i> , 2005, 104, 160-167.	2.2	100
322	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
323	Experimental and modeling studies on Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ (BSCF) tubular membranes for air separation. <i>Journal of Membrane Science</i> , 2004, 243, 405-415.	4.1	92
324	Novel cobalt-free oxygen permeable membrane. <i>Chemical Communications</i> , 2004, , 1130.	2.2	110

#	ARTICLE	IF	CITATIONS
325	Oxidative dehydrogenation of propane in a dense tubular membrane reactor. Reaction Kinetics and Catalysis Letters, 2003, 79, 351-356.	0.6	31
326	Structure and oxygen permeability of a dual-phase membrane. Journal of Membrane Science, 2003, 224, 107-115.	4.1	48
327	Investigation on the partial oxidation of methane to syngas in a tubular Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} membrane reactor. Catalysis Today, 2003, 82, 157-166.	2.2	157
328	High selectivity of oxidative dehydrogenation of ethane to ethylene in an oxygen permeable membrane reactor Electronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b203168j/ . Chemical Communications, 2002, , 1468-1469.	2.2	95
329	Partial oxidation of methane to syngas in tubular oxygen-permeable reactor. Science Bulletin, 2002, 47, 534.	1.7	6
330	Partial oxidation of ethane to syngas in an oxygen-permeable membrane reactor. Journal of Membrane Science, 2002, 209, 143-152.	4.1	41
331	Oxygen permeation study in a tubular Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} oxygen permeable membrane. Journal of Membrane Science, 2002, 210, 259-271.	4.1	174
332	Title is missing!. Catalysis Letters, 2002, 84, 101-106.	1.4	49