Jinping Li

List of Publications by Year in descending order

279 papers	11,332 citations	31976 53 h-index	43889 91 g-index
284 all docs	284 docs citations	284 times ranked	10679 citing authors

#	Article	IF	Citations
1	NC/Niâ€“Co3O4@Co1â^'xS Nanosheet Prepared from Metal Organic Framework for Highly Efficient Overall Water Splitting. Catalysis Letters, 2023, 153, 779-789.	2.6	3
2	Selective adsorption of propene over propane on Li-decorated poly (triazine imide). Green Energy and Environment, 2022, 7, 307-313.	8.7	4
3	Strengthen metal-oxygen covalency of CoFe-layered double hydroxide for efficient mild oxygen evolution. Nano Research, 2022, 15, 162-169.	10.4	29
4	One-step synthesis of N, P co-doped porous carbon electrocatalyst for highly efficient nitrogen fixation. Nano Research, 2022, 15, 1779-1785.	10.4	9
5	Shaping of metalâ€“organic frameworks through a calcium alginate method towards ethylene/ethane separation. Chinese Journal of Chemical Engineering, 2022, 42, 17-24.	3.5	2
6	Stable titanium metal-organic framework with strong binding affinity for ethane removal. Chinese Journal of Chemical Engineering, 2022, 42, 35-41.	3.5	3
7	Nitrogen rejection from low quality natural gas by pressure swing adsorption experiments and simulation using dynamic adsorption isotherms. Chinese Journal of Chemical Engineering, 2022, 42, 120-129.	3.5	5
8	Three-dimensional self-supporting catalyst with NiFe alloy/oxyhydroxide supported on high-surface cobalt hydroxide nanosheet array for overall water splitting. Journal of Colloid and Interface Science, 2022, 606, 873-883.	9.4	26
9	Efficient N2/CH4 separation in a stable metalâ€“organic framework with high density of open Cr sites. Separation and Purification Technology, 2022, 281, 119951.	7.9	13
10	Rational introduction of S and P in multi-stage electrocatalyst to drive a large-current-density water oxidation reaction and overall water splitting. Journal of Power Sources, 2022, 518, 230757.	7.8	14
11	Energy efficient ethylene purification in a commercially viable ethane-selective MOF. Separation and Purification Technology, 2022, 282, 120126.	7.9	8
12	Engineering biphasic hybrid phosphide nanowires as efficient electrocatalyst for hydrogen evolution reaction: Experimental and theoretical insights. International Journal of Hydrogen Energy, 2022, 47, 2926-2935.	7.1	5
13	Mixed-matrix membranes consisting of Pebax and novel nitrogen-doped porous carbons for CO2 separation. Journal of Membrane Science, 2022, 644, 120182.	8.2	24
14	Effects of different alkali metal cations in FAU zeolites on the separation performance of CO2/N2O. Chemical Engineering Journal, 2022, 431, 134257.	12.7	18
15	Improved N2O capture performance of chromium terephthalate MIL-101 via substituent engineering. Journal of Solid State Chemistry, 2022, 309, 122951.	2.9	9
16	Biomass-derived carbon nanosheets coupled with MoO2/Mo2C electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 30959-30969.	7.1	14
17	Linker micro-regulation of a Hofmann-based metalâ€“organic framework for efficient propylene/propane separation. Inorganic Chemistry Frontiers, 2022, 9, 1082-1090.	6.0	9
18	Bimetallic persulfide nanoflakes assembled by dealloying and sulfurization: a versatile electro-catalyst for overall water splitting and Znâ€“air batteries. Catalysis Science and Technology, 2022, 12, 497-508.	4.1	3

#	Article	IF	Citations
19	Autogenous growth of highly active bifunctional Niâ€“Fe2B nanosheet arrays toward efficient overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 8303-8313.	7.1	14
20	Enhancement effect of Mn doping on Co3O4 derived from Co-MOF for toluene catalytic oxidation. Chinese Journal of Chemical Engineering, 2022, 52, 1-9.	3.5	11
21	Boosting electrochemical nitrogen reduction to ammonia with high efficiency using a LiNb₃O₈ electrocatalyst in neutral media. Dalton Transactions, 2022, 51, 1131-1136.	3.3	1
22	Superhydrophobic zeolitic imidazolate framework with suitable <scp>SOD</scp> cage for effective <scp>CH₄</scp>/<scp>N₂</scp> adsorptive separation in humid environments. AICHE Journal, 2022, 68, .	3.6	12
23	Adsorption and separation of CH4/N2 by electrically neutral skeleton AlPO molecular sieves. Separation and Purification Technology, 2022, 286, 120497.	7.9	6
24	Different effect of Y (YÂ=ÂCu, Mn, Fe, Ni) doping on Co3O4 derived from Co-MOF for toluene catalytic destruction. Chemical Engineering Science, 2022, 251, 117436.	3.8	13
25	Cr-doped SnO2 microrods adhering nanoparticles for enhanced triethylamine sensing performance. Materials Letters, 2022, 312, 131684.	2.6	11
26	Reviewâ€”Nanostructural ZnO-Based Electrochemical Sensor for Environmental Application. Journal of the Electrochemical Society, 2022, 169, 020573.	2.9	15
27	Controllable band structure of ZnO/g-C3N4 aggregation to enhance gas sensing for the dimethylamine detection. Sensors and Actuators Reports, 2022, 4, 100084.	4.4	6
28	Engineering of Band Structure of Bismuth Selenide Ultrathin Nanosheets as Multifunctional Material for Photocatalytic Application. Advanced Materials Interfaces, 2022, 9, .	3.7	8
29	Tuning the Pore Environment of MOFs toward Efficient CH₄/N₂ Separation under Humid Conditions. ACS Applied Materials & Interfaces, 2022, 14, 15830-15839.	8.0	34
30	In situ growth Fe and V co-doped Ni3S2 for efficient oxygen evolution reaction at large current densities. International Journal of Hydrogen Energy, 2022, 47, 14422-14431.	7.1	11
31	Amorphous CoV Phosphate Nanosheets as Efficient Oxygen Evolution Electrocatalyst. Chemistry - an Asian Journal, 2022, , .	3.3	1
32	La-RuO2 nanocrystals with efficient electrocatalytic activity for overall water splitting in acidic media: Synergistic effect of La doping and oxygen vacancy. Chemical Engineering Journal, 2022, 439, 135699.	12.7	47
33	Kâ€Chabazite Zeolite Nanocrystal Aggregates for Highly Efficient Methane Separation. Angewandte Chemie - International Edition, 2022, 61, e202116850.	13.8	12
34	Kâ€Chabazite Zeolite Nanocrystal Aggregates for Highly Efficient Methane Separation. Angewandte Chemie, 2022, 134, .	2.0	9
35	Substituent-Induced Electron-Transfer Strategy for Selective Adsorption of N₂ in MIL-101(Cr)-X Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2022, 14, 2146-2154.	8.0	18
36	Roughness Effect of Cu on Electrocatalytic CO₂ Reduction towards C₂H₄. Chemistry - an Asian Journal, 2022, 17, .	3.3	10

#	Article	IF	Citations
37	Site trials of methane capture from low-concentration coalbed methane drainage wells using a mobile skid-mounted vacuum pressure swing adsorption system. Separation and Purification Technology, 2022, 295, 121271.	7.9	5
38	The modulation of catalytic active site and support to construct high-efficiency ZnS/NC-X electrocatalyst for nitrogen reduction. Nano Research, 2022, 15, 7903-7909.	10.4	3
39	A phosphorus-doped potassium peroxyniobate electrocatalyst with enriched oxygen vacancies boosts electrocatalytic nitrogen reduction to ammonia. Dalton Transactions, 2022, 51, 11163-11168.	3.3	3
40	Enhancing CO2 separation performance of mixed matrix membranes by incorporation of L-cysteine-functionalized MoS2. Separation and Purification Technology, 2022, 297, 121560.	7.9	18
41	Modulation and self-assembly of nanoparticles into bismuth molybdate nanosheets as highly efficient photocatalysts for ciprofloxacin degradation. Environmental Science: Nano, 2022, 9, 2979-2989.	4.3	1
42	Improving <scp>CH₄</scp> uptake and <scp>CH₄</scp>/<scp>N₂</scp> separation in pillarâ€layered metalâ€“organic frameworks using a regulating strategy of interlayer channels. AICHE Journal, 2022, 68, .	3.6	6
43	Tailoring Lewis Acid Properties of Metalâ€“Organic Framework Nodes via Anion Post-Replacement for Gas Adsorption and Separation. ACS Sustainable Chemistry and Engineering, 2022, 10, 9359-9368.	6.7	6
44	Amorphous iron-nickel phosphide nanocone arrays as efficient bifunctional electrodes for overall water splitting. Green Energy and Environment, 2021, 6, 496-505.	8.7	42
45	Oxygen vacancies engineered self-supported B doped Co3O4 nanowires as an efficient multifunctional catalyst for electrochemical water splitting and hydrolysis of sodium borohydride. Chemical Engineering Journal, 2021, 404, 126474.	12.7	122
46	Down-sizing the crystal size of ZK-5 zeolite for its enhanced CH4 adsorption and CH4/N2 separation performances. Chemical Engineering Journal, 2021, 406, 126599.	12.7	32
47	Modification of the pore environment in UiO-type metal-organic framework toward boosting the separation of propane/propylene. Chemical Engineering Journal, 2021, 403, 126428.	12.7	31
48	Optimized pore environment for efficient high selective C2H2/C2H4 and C2H2/CO2 separation in a metal-organic framework. Separation and Purification Technology, 2021, 256, 117749.	7.9	30
49	Coupling of Cu(100) and (110) Facets Promotes Carbon Dioxide Conversion to Hydrocarbons and Alcohols. Angewandte Chemie - International Edition, 2021, 60, 4879-4885.	13.8	171
50	Preparation of a Dualâ€MOF Heterostructure (ZIF@MIL) for Enhanced Oxygen Evolution Reaction Activity. Chemistry - an Asian Journal, 2021, 16, 64-71.	3.3	16
51	Ultrafine tuning of the pore size in zeolite A for efficient propyne removal from propylene. Chinese Journal of Chemical Engineering, 2021, 37, 217-221.	3.5	5
52	The efficient separation of N₂O/CO₂ using unsaturated Fe²⁺ sites in MIL-100Fe. Chemical Communications, 2021, 57, 6636-6639.	4.1	13
53	Size-Controllable Strategy of ZnO Micro/Nanorods for Electrochemical Detection of H₂O₂. Journal of the Electrochemical Society, 2021, 168, 027507.	2.9	8
54	Preparation of a Bimetallic NiFeâ€MOF on Nickel Foam as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. ChemistrySelect, 2021, 6, 1320-1327.	1.5	20

#	Article	IF	Citations
55	A stable metalâ€“organic framework with wellâ€matched pore cavity for efficient acetylene separation. AICHE Journal, 2021, 67, e17152.	3.6	20
56	NiFe2O4â€“Ni3S2 nanorod array/Ni foam composite catalyst indirectly controlled by Fe3+ immersion for an efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 14407-14417.	7.1	9
57	An ethane-favored metal-organic framework with tailored pore environment used for efficient ethylene separation. Microporous and Mesoporous Materials, 2021, 320, 111096.	4.4	16
58	Synthesis of Ultrathin and Gridâ€Structural Carbon Nanosheets Coupled with Mo₂C for Electrocatalytic Hydrogen Production. Chemistry - an Asian Journal, 2021, 16, 2107-2112.	3.3	13
59	Boosting molecular recognition of acetylene in UiO-66 framework through pore environment functionalization. Chemical Engineering Science, 2021, 237, 116572.	3.8	14
60	Facile Preparation of Hierarchically Porous gâ€C₃N₄ as Highâ€Performance Photocatalyst for Degradation of Methyl Violet Dye. ChemistrySelect, 2021, 6, 7130-7135.	1.5	7
61	N, S synergistic effect in hierarchical porous carbon for enhanced NRR performance. Carbon, 2021, 179, 358-364.	10.3	18
62	Pore-Space Partition and Optimization for Propane-Selective High-Performance Propane/Propylene Separation. ACS Applied Materials & Interfaces, 2021, 13, 52160-52166.	8.0	50
63	Construction of a Porous Metalâ€“Organic Framework with a High Density of Open Cr Sites for Record N₂/O₂ Separation. Advanced Materials, 2021, 33, e2100866.	21.0	18
64	Enriching Low-Concentration Coalbed Methane Using a Hydrophobic Adsorbent under Humid Conditions. Industrial & Engineering Chemistry Research, 2021, 60, 12689-12697.	3.7	6
65	Highly Dispersed Mo₂C Nanodots in Carbon Nanocages Derived from Moâ€Based Xerogel: Efficient Electrocatalysts for Hydrogen Evolution. Small Methods, 2021, 5, e2100334.	8.6	26
66	Construction of a Porous Metalâ€“Organic Framework with a High Density of Open Cr Sites for Record N₂/O₂ Separation (Adv. Mater. 37/2021). Advanced Materials, 2021, 33, 2170291.	21.0	0
67	Bimetallic Cuâ€“Coâ€“Se Nanotube Arrays Assembled on 3D Framework: an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ChemSusChem, 2021, 14, 5065-5074.	6.8	13
68	Design and Synthesis Strategies: 2D Materials for Electromagnetic Shielding/Absorbing. Chemistry - an Asian Journal, 2021, 16, 3817-3832.	3.3	17
69	Polyvinylamine/ZIF-8-decorated metakaolin composite membranes for CO2/N2 separation. Separation and Purification Technology, 2021, 270, 118800.	7.9	22
70	Mo-chelate strategy for synthesizing ultrasmall Mo2C nanoparticles embedded in carbon nanosheets for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 31598-31607.	7.1	17
71	SPEEK membranes by incorporation of NaY zeolite for CO2/N2 separation. Separation and Purification Technology, 2021, 275, 119189.	7.9	15
72	Construction of saturated coordination titanium-based metalâ€“organic framework for one-step C2H2/C2H6/C2H4 separation. Separation and Purification Technology, 2021, 276, 119284.	7.9	28

#	Article	IF	Citations
73	Novel zeolite/carbon monolith adsorbents for efficient CH4/N2 separation. Chemical Engineering Journal, 2021, 426, 130163.	12.7	15
74	Versatile construction of a hierarchical porous electrode and its application in electrochemical hydrogen production: a mini review. Materials Advances, 2021, 2, 1177-1189.	5.4	12
75	Boosting the Photoactivity of BiVO₄ Photoanodes by a ZnCoFeâ€LDH Thin Layer for Water Oxidation. Chemistry - an Asian Journal, 2021, 16, 4095-4102.	3.3	2
76	3D porous network heterostructure NiCe@NiFe electrocatalyst for efficient oxygen evolution reaction at large current densities. Applied Catalysis B: Environmental, 2020, 260, 118199.	20.2	100
77	Reversed ethane/ethylene adsorption in a metalâ€“organic framework via introduction of oxygen. Chinese Journal of Chemical Engineering, 2020, 28, 593-597.	3.5	19
78	Effective CH4 enrichment from N2 by SIM-1 via a strong adsorption potential SOD cage. Separation and Purification Technology, 2020, 230, 115850.	7.9	36
79	Highly efficient Ni nanotube arrays and Ni nanotube arrays coupled with NiFe layered-double-hydroxide electrocatalysts for overall water splitting. Journal of Power Sources, 2020, 448, 227434.	7.8	41
80	Ethylenediamine-functionalized metal organic frameworks MIL-100(Cr) for efficient CO2/N2O separation. Separation and Purification Technology, 2020, 235, 116219.	7.9	27
81	Hollow Hemispherical Carbon Microspheres with Mo₂C Nanoparticles Synthesized by Precursor Design: Effective Noble Metalâ€Free Catalysts for Dehydrogenation. Small Methods, 2020, 4, 1900597.	8.6	18
82	Simple self-assembly of 3D laminated CuO/SnO2 hybrid for the detection of triethylamine. Chinese Chemical Letters, 2020, 31, 2055-2058.	9.0	27
83	Loading FeOOH on Ni(OH)₂ hollow nanorods to obtain a three-dimensional sandwich catalyst with strong electron interactions for an efficient oxygen evolution reaction. Nanoscale, 2020, 12, 983-990.	5.6	69
84	Methane-trapping metalâ€“organic frameworks with an aliphatic ligand for efficient CH₄/N₂ separation. Sustainable Energy and Fuels, 2020, 4, 138-142.	4.9	50
85	The Pd/Na-ZSM-5 catalysts with different Si/Al ratios on low concentration methane oxidation. Solid State Sciences, 2020, 101, 106097.	3.2	15
86	BiVO4 photoanode decorated with cobalt-manganese layered double hydroxides for enhanced photoelectrochemical water oxidation. International Journal of Hydrogen Energy, 2020, 45, 31902-31912.	7.1	26
87	Microregulation of Pore Channels in Covalent-Organic Frameworks Used for the Selective and Efficient Separation of Ethane. ACS Applied Materials & Interfaces, 2020, 12, 52819-52825.	8.0	35
88	A Strategy for Constructing Poreâ€Spaceâ€Partitioned MOFs with High Uptake Capacity for C 2 Hydrocarbons and CO 2. Angewandte Chemie, 2020, 132, 19189-19192.	2.0	26
89	A dual-mode resonance Rayleigh scattering and colorimetric alkaline phosphatase assay based on in situ ascorbic acid-induced signal generation from manganese dioxide nanosheets. RSC Advances, 2020, 10, 31527-31534.	3.6	4
90	A Strategy for Constructing Poreâ€Spaceâ€Partitioned MOFs with High Uptake Capacity for C₂ Hydrocarbons and CO₂. Angewandte Chemie - International Edition, 2020, 59, 19027-19030.	13.8	77

#	Article	IF	Citations
91	Opportunities and critical factors of porous metalâ€“organic frameworks for industrial light olefins separation. Materials Chemistry Frontiers, 2020, 4, 1954-1984.	5.9	48
92	IrO2 nanoparticle-decorated single-layer NiFe LDHs nanosheets with oxygen vacancies for the oxygen evolution reaction. Chemical Engineering Journal, 2020, 399, 125738.	12.7	60
93	Mesoporous Carbon Nanotablets Coupled with Mo 2 C Nanoparticles: Combining Morphology and Structure to Realize High Activity for Efficient Hydrogen Evolution. ChemistrySelect, 2020, 5, 5974-5980.	1.5	13
94	A facile controllable self-assembly of 3D elliptical ZnO microspheres from 1D nanowires for effective detection of acetone. Materials Letters, 2020, 270, 127706.	2.6	17
95	Direct Functionalization of the Open Metal Sites in Rare Earth-Based Metalâ€“Organic Frameworks Used for the Efficient Separation of Ethylene. Industrial & Engineering Chemistry Research, 2020, 59, 6123-6129.	3.7	17
96	Synergistic Assembly of a CoS@NiFe/Ni Foam Heterostructure Electrocatalyst for Efficient Water Oxidation Catalysis at Large Current Densities. Chemistry - an Asian Journal, 2020, 15, 1484-1492.	3.3	32
97	Research on CO2-N2O separation using flexible metal organic frameworks. Separation and Purification Technology, 2020, 251, 117311.	7.9	15
98	S-Doped three-dimensional graphene (S-3DG): a metal-free electrocatalyst for the electrochemical synthesis of ammonia under ambient conditions. Dalton Transactions, 2020, 49, 2258-2263.	3.3	20
99	Removal of Ammonia Emissions via Reversible Structural Transformation in M(BDC) (M = Cu, Zn, Cd) Metalâ€“Organic Frameworks. Environmental Science & Technology, 2020, 54, 3636-3642.	10.0	34
100	Mesoporous Co₃O₄ Derived from Facile Calcination of Octahedral Co-MOFs for Toluene Catalytic Oxidation. Industrial & Engineering Chemistry Research, 2020, 59, 5583-5590.	3.7	23
101	Morphology evolution of ZnO by controlling solvent and electrochemical sensing of hexagonal nanotablets toward amines. Chinese Chemical Letters, 2020, 31, 2091-2094.	9.0	17
102	Polyvinylamine/amorphous metakaolin mixed-matrix composite membranes with facilitated transport carriers for highly efficient CO2/N2 separation. Journal of Membrane Science, 2020, 599, 117828.	8.2	26
103	Microporous metal-organic framework with specific functional sites for efficient removal of ethane from ethane/ethylene mixtures. Chemical Engineering Journal, 2020, 387, 124137.	12.7	36
104	Hybrid Ni₃S₂â€“MoS₂ nanowire arrays as a pH-universal catalyst for accelerating the hydrogen evolution reaction. Chemical Communications, 2020, 56, 2471-2474.	4.1	29
105	Experimental and simulation study on efficient CH4/N2 separation by pressure swing adsorption on silicalite-1 pellets. Chemical Engineering Journal, 2020, 388, 124222.	12.7	50
106	Selfâ€supported 3â€‰D Ultrathin Cobaltâ€“Nickelâ€“Boron Nanoflakes as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemSusChem, 2020, 13, 3662-3670.	6.8	25
107	Mesoporous Co3O4 derived from Co-MOFs with different morphologies and ligands for toluene catalytic oxidation. Chemical Engineering Science, 2020, 220, 115654.	3.8	31
108	Ultrafine Mo₂C Nanoparticles Confined in 2D Meshlike Carbon Nanolayers for Effective Hydrogen Evolution. ChemCatChem, 2020, 12, 3195-3201.	3.7	18

#	Article	IF	Citations
109	A metal-free catalyst: sulfur-doped and sulfur nanoparticle-modified CMK-3 as an electrocatalyst for enhanced N₂-fixation. New Journal of Chemistry, 2020, 44, 20935-20939.	2.8	6
110	Concentrating and activating carbon dioxide over AuCu aerogel grain boundaries. Journal of Chemical Physics, 2020, 152, 204703.	3.0	13
111	Ammonia Modification on UTSA-280 for C₂H₄/C₂H₆ Separation. Acta Chimica Sinica, 2020, 78, 534.	1.4	6
112	Realizing high performance solar water oxidation for Ti-doped hematite nanoarrays by synergistic decoration with ultrathin cobalt-iron phosphate nanolayers. Chemical Engineering Journal, 2019, 355, 49-57.	12.7	56
113	Regulating the Sensitivity and Operating Temperatures by Morphology Engineering of 2D ZnO Nanostructures and 3D ZnO Microstructures for the Detection of Organic-Amines. ACS Applied Nano Materials, 2019, 2, 5430-5439.	5.0	36
114	Polyvinylamine/graphene oxide/PANI@CNTs mixed matrix composite membranes with enhanced CO2/N2 separation performance. Journal of Membrane Science, 2019, 589, 117246.	8.2	54
115	One-step solid-phase boronation to fabricate self-supported porous FeNiB/FeNi foam for efficient electrocatalytic oxygen evolution and overall water splitting. Journal of Materials Chemistry A, 2019, 7, 19554-19564.	10.3	68
116	Poly (triazine imide) (PTI) and graphene hybrids supported Pt Sn catalysts for enhanced electrocatalytic oxidation of ethanol. Applied Surface Science, 2019, 492, 879-885.	6.1	15
117	Mixed-metal MOF-derived Co-doped Ni3C/Ni NPs embedded in carbon matrix as an efficient electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 24572-24579.	7.1	63
118	Amorphous CoFeP/NC hybrids as highly efficient electrocatalysts for water oxidation. International Journal of Hydrogen Energy, 2019, 44, 30196-30207.	7.1	30
119	Cu2-xSe@CuO core-shell assembly grew on copper foam for efficient oxygen evolution. International Journal of Hydrogen Energy, 2019, 44, 31979-31986.	7.1	17
120	Phosphate ions-functionalized and wettability-tuned nickel ferrite for boosted oxygen evolution performance. International Journal of Hydrogen Energy, 2019, 44, 26992-27000.	7.1	13
121	Porous versus Compact Hematite Nanorod Photoanode for High-Performance Photoelectrochemical Water Oxidation. ACS Sustainable Chemistry and Engineering, 2019, 7, 11377-11385.	6.7	26
122	Rapid and HF-free synthesis of MIL-100(Cr) via steam-assisted method. Materials Letters, 2019, 252, 286-288.	2.6	11
123	Highly sensitive and selective gas-phase ethanolamine sensor by doping sulfur into nanostructured ZnO. Sensors and Actuators B: Chemical, 2019, 296, 126633.	7.8	28
124	Highly Effective Ru/BaCeO₃ Catalysts on Supports with Strong Basic Sites for Ammonia Synthesis. Chemistry - an Asian Journal, 2019, 14, 2815-2821.	3.3	36
125	Robust Microporous Metalâ€“Organic Frameworks for Highly Efficient and Simultaneous Removal of Propyne and Propadiene from Propylene. Angewandte Chemie, 2019, 131, 10315-10320.	2.0	16
126	Robust Microporous Metalâ€“Organic Frameworks for Highly Efficient and Simultaneous Removal of Propyne and Propadiene from Propylene. Angewandte Chemie - International Edition, 2019, 58, 10209-10214.	13.8	69

#	Article	IF	Citations
127	High performance for oxidation of low-concentration methane using ultra-low Pd in silicalite-1 zeolite. Microporous and Mesoporous Materials, 2019, 284, 235-240.	4.4	17
128	Morphology Effect of Ceria on the Ammonia Synthesis Activity of Ru/CeO2 Catalysts. Catalysis Letters, 2019, 149, 1007-1016.	2.6	31
129	Vapor-assisted preparation of Mn/Fe/Co/Znâ€“Cu bimetallic metalâ€“organic frameworks based on octahedron micron crystals (PCN-6â€²). New Journal of Chemistry, 2019, 43, 6452-6456.	2.8	6
130	Highly catalytic flexible RuO2 on carbon fiber cloth network for boosting chlorine evolution reaction. Electrochimica Acta, 2019, 307, 385-392.	5.2	29
131	A Tale of Two Trimers from Two Different Worlds: A COFâ€Inspired Synthetic Strategy for Poreâ€Space Partitioning of MOFs. Angewandte Chemie - International Edition, 2019, 58, 6316-6320.	13.8	70
132	A Tale of Two Trimers from Two Different Worlds: A COFâ€Inspired Synthetic Strategy for Poreâ€Space Partitioning of MOFs. Angewandte Chemie, 2019, 131, 6382-6386.	2.0	14
133	Ti-doped hematite photoanode with surface phosphate ions functionalization for synergistic enhanced photoelectrochemical water oxidation. Electrochimica Acta, 2019, 307, 197-205.	5.2	25
134	Facile synthesis, characterization and DFT studies of a nanostructured nickelâ€“molybdenumâ€“phosphorous planar electrode as an active electrocatalyst for the hydrogen evolution reaction. Nanoscale, 2019, 11, 9353-9361.	5.6	42
135	Enhancing the CO2 separation performance of SPEEK membranes by incorporation of polyaniline-decorated halloysite nanotubes. Journal of Membrane Science, 2019, 573, 602-611.	8.2	32
136	The effect of barium-promoted for microsphere Ru/CeO₂ catalysts in ammonia synthesis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 689-699.	2.3	4
137	2D feather-shaped alumina slice as efficient Pd catalyst support for oxidation reaction of the low-concentration methane. Chemical Engineering Journal, 2019, 361, 1345-1351.	12.7	14
138	Theoretical Expectation and Experimental Implementation of In Situ Al-Doped CoS₂ Nanowires on Dealloying-Derived Nanoporous Intermetallic Substrate as an Efficient Electrocatalyst for Boosting Hydrogen Production. ACS Catalysis, 2019, 9, 1489-1502.	11.2	112
139	CH4/N2 separation on methane molecules grade diameter channel molecular sieves with a CHA-type structure. Chinese Journal of Chemical Engineering, 2019, 27, 1044-1049.	3.5	23
140	Enhanced mass transfer on hierarchical porous pure silica zeolite used for gas separation. Microporous and Mesoporous Materials, 2018, 266, 56-63.	4.4	26
141	Environmentally friendly synthesis of flexible MOFs M(NA)₂(M = Zn, Co, Cu, Cd) with large and regenerable ammonia capacity. Journal of Materials Chemistry A, 2018, 6, 9922-9929.	10.3	51
142	Adjusting the proportions of extra-framework K+ and Cs+ cations to construct a â€œmolecular gateâ€•on ZK-5 for CO2 removal. Microporous and Mesoporous Materials, 2018, 268, 50-57.	4.4	18
143	Guest-dependent pressure induced gate-opening effect enables effective separation of propene and propane in a flexible MOF. Chemical Engineering Journal, 2018, 346, 489-496.	12.7	87
144	Encapsulation of Ni/Fe₃O₄ heterostructures inside onion-like N-doped carbon nanorods enables synergistic electrocatalysis for water oxidation. Nanoscale, 2018, 10, 3997-4003.	5.6	75

#	Article	IF	Citations
145	Ultrasmall NiFe-Phosphate Nanoparticles Incorporated Î±-Fe₂O₃ Nanoarrays Photoanode Realizing High Efficient Solar Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 2353-2361.	6.7	50
146	Self-Supported Ternary Niâ€“Sâ€“Se Nanorod Arrays as Highly Active Electrocatalyst for Hydrogen Generation in Both Acidic and Basic Media: Experimental Investigation and DFT Calculation. ACS Applied Materials & Interfaces, 2018, 10, 2430-2441.	8.0	83
147	Mixed-matrix membranes based on Zn/Ni-ZIF-8-PEBA for high performance CO2 separation. Journal of Membrane Science, 2018, 560, 38-46.	8.2	97
148	(CH₃)₂NHâ€Assisted Synthesis of Highâ€Purity Niâ€HKUSTâ€1 for the Adsorption of CO₂, CH₄, and N₂. European Journal of Inorganic Chemistry, 2018, 2018, 1047-1052.	2.0	24
149	Amorphous CoFeBO nanoparticles as highly active electrocatalysts for efficient water oxidation reaction. International Journal of Hydrogen Energy, 2018, 43, 6138-6149.	7.1	46
150	Applications of metalâ€“organic frameworks for green energy and environment: New advances in adsorptive gas separation, storage and removal. Green Energy and Environment, 2018, 3, 191-228.	8.7	158
151	Highly Adsorptive Separation of Ethane/Ethylene by An Ethane-Selective MOF MIL-142A. Industrial & Engineering Chemistry Research, 2018, 57, 4063-4069.	3.7	88
152	Porous Niâ˜Moâ˜S Nanowire Network Film Electrode as a Highâ€Efficiency Bifunctional Electrocatalyst for Overall Water Splitting. ChemElectroChem, 2018, 5, 335-342.	3.4	60
153	Well-dispersed palladium nanoparticles on nickel- phosphorus nanosheets as efficient three-dimensional platform for superior catalytic glucose electro-oxidation and non-enzymatic sensing. Journal of Colloid and Interface Science, 2018, 511, 355-364.	9.4	30
154	Amorphous NiFeB nanoparticles realizing highly active and stable oxygen evolving reaction for water splitting. Nano Research, 2018, 11, 1664-1675.	10.4	129
155	Recyclable ammonia uptake of a MIL series of metal-organic frameworks with high structural stability. Microporous and Mesoporous Materials, 2018, 258, 170-177.	4.4	52
156	Three-dimensional well-mixed / highly-densed NiS-CoS nanorod arrays: An efficient and stable bifunctional electrocatalyst for hydrogen and oxygen evolution reactions. Electrochimica Acta, 2018, 260, 82-91.	5.2	109
157	MIL-100Cr with open Cr sites for a record N₂O capture. Chemical Communications, 2018, 54, 14061-14064.	4.1	39
158	Enhanced properties of Pd/CeO₂-nanorods modified with alkaline-earth metals for catalytic oxidation of low-concentration methane. RSC Advances, 2018, 8, 38641-38647.	3.6	5
159	A Metalâ€“Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. Angewandte Chemie - International Edition, 2018, 57, 15183-15188.	13.8	124
160	A Metalâ€“Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. Angewandte Chemie, 2018, 130, 15403-15408.	2.0	98
161	Molecular sieving of ethylene from ethane using a rigid metalâ€“organic framework. Nature Materials, 2018, 17, 1128-1133.	27.5	532
162	Ethane/ethylene separation in a metal-organic framework with iron-peroxo sites. Science, 2018, 362, 443-446.	12.6	763

#	Article	IF	Citations
163	Efficient Catalysts for Cyclohexane Dehydrogenation Synthesized by Mo-Promoted Growth of 3D Block Carbon Coupled with Mo₂C. ACS Omega, 2018, 3, 10773-10780.	3.5	14
164	In-situ ammonia-modulated silver oxide as efficient oxygen evolution catalyst in neutral organic carboxylate buffer. International Journal of Hydrogen Energy, 2018, 43, 14379-14387.	7.1	2
165	Fabrication of Fe-doped Co2P nanoparticles as efficient electrocatalyst for electrochemical and photoelectrochemical water oxidation. Electrochimica Acta, 2018, 283, 1490-1497.	5.2	27
166	Selective Adsorptive Separation of CO₂/CH₄ and CO₂/N₂ by a Water Resistant Zirconiumâ€“Porphyrin Metalâ€“Organic Framework. Industrial & Engineering Chemistry Research, 2018, 57, 12215-12224.	3.7	48
167	Nanostructured NiFe (oxy)hydroxide with easily oxidized Ni towards efficient oxygen evolution reactions. Journal of Materials Chemistry A, 2018, 6, 16810-16817.	10.3	61
168	Kinetic separation of propylene over propane in a microporous metal-organic framework. Chemical Engineering Journal, 2018, 354, 977-982.	12.7	108
169	A crystal seeds-assisted synthesis of microporous and mesoporous silicalite-1 and their CO 2 /N 2 /CH 4 /C 2 H 6 adsorption properties. Microporous and Mesoporous Materials, 2017, 242, 231-237.	4.4	19
170	Mesoporous nickelâ€“iron binary oxide nanorods for efficient electrocatalytic water oxidation. Nano Research, 2017, 10, 2096-2105.	10.4	57
171	Theoretical investigation of gas separation in functionalized nanoporous graphene membranes. Applied Surface Science, 2017, 407, 532-539.	6.1	80
172	Exploiting the pore size and functionalization effects in UiO topology structures for the separation of light hydrocarbons. CrystEngComm, 2017, 19, 1729-1737.	2.6	28
173	Antenna-Protected Metalâ€“Organic Squares for Water/Ammonia Uptake with Excellent Stability and Regenerability. ACS Sustainable Chemistry and Engineering, 2017, 5, 5082-5089.	6.7	26
174	Flexibleâ€“Robust Metalâ€“Organic Framework for Efficient Removal of Propyne from Propylene. Journal of the American Chemical Society, 2017, 139, 7733-7736.	13.7	242
175	Facile fabrication of robust 3D Feâ€“NiSe nanowires supported on nickel foam as a highly efficient, durable oxygen evolution catalyst. Journal of Materials Chemistry A, 2017, 5, 14639-14645.	10.3	74
176	Hierarchical porous carbons derived from microporous zeolitic metal azolate frameworks for supercapacitor electrodes. Materials Research Bulletin, 2017, 88, 62-68.	5.2	32
177	Vapor phase solvents loaded in zeolite as the sustainable medium for the preparation of Cu-BTC and ZIF-8. Chemical Engineering Journal, 2017, 313, 179-186.	12.7	16
178	The synergistic effect of oxygen and water on the stability of the isostructural family of metalâ€“organic frameworks [Cr₃(BTC)₂] and [Cu₃(BTC)₂]. Dalton Transactions, 2017, 46, 15573-15581.	3.3	11
179	Enhancing the water oxidation activity of Ni2P nanocatalysts by iron-doping and electrochemical activation. Electrochimica Acta, 2017, 253, 498-505.	5.2	40
180	A Copper(II)-Paddlewheel Metalâ€“Organic Framework with Exceptional Hydrolytic Stability and Selective Adsorption and Detection Ability of Aniline in Water. ACS Applied Materials & Interfaces, 2017, 9, 27027-27035.	8.0	109

#	Article	IF	Citations
181	Efficient separation of ethylene from acetylene/ethylene mixtures by a flexible-robust metalâ€“organic framework. Journal of Materials Chemistry A, 2017, 5, 18984-18988.	10.3	88
182	In-situ synthesis of Ag-Pi oxygen-evolving catalyst in phosphate environment for water splitting. International Journal of Hydrogen Energy, 2017, 42, 19935-19941.	7.1	7
183	Facile and fast fabrication of iron-phosphate supported on nickel foam as a highly efficient and stable oxygen evolution catalyst. Journal of Materials Chemistry A, 2017, 5, 18627-18633.	10.3	59
184	Enhanced properties of solid solution (CeZr)O 2 modified with metal oxides for catalytic oxidation of low-concentration methane. Chinese Journal of Chemical Engineering, 2017, 25, 187-192.	3.5	5
185	Facile synthesis of mesoporous Co3O4 nanoflowers for catalytic combustion of ventilation air methane. Chemical Research in Chinese Universities, 2017, 33, 965-970.	2.6	2
186	Spatiotemporal Variability of Remotely Sensed PM2.5 Concentrations in China from 1998 to 2014 Based on a Bayesian Hierarchy Model. International Journal of Environmental Research and Public Health, 2016, 13, 772.	2.6	14
187	Flexible Metalâ€“Organic Frameworks with Discriminatory Gateâ€Opening Effect for the Separation of Acetylene from Ethylene/Acetylene Mixtures. European Journal of Inorganic Chemistry, 2016, 2016, 4457-4462.	2.0	42
188	Synthesis and Structural Characterization of a Two-Dimensional Magnesium Acetate, Mg7(OH)2(OAc)12(H2O)4Â·4H2O, a Precursor to Three-Dimensional Porous Magnesium Acetate. European Journal of Inorganic Chemistry, 2016, 2016, 3299-3304.	2.0	2
189	Functionalized Metalâ€“Organic Frameworks for the Efficient Removal of Low Concentrations of Ammonia. ChemPlusChem, 2016, 81, 222-228.	2.8	14
190	Fabrication of mesoporous NiFe2O4 nanorods as efficient oxygen evolution catalyst for water splitting. Electrochimica Acta, 2016, 211, 871-878.	5.2	117
191	Insight into the effect of surface structure on H2 adsorption and activation over different CuO(1 1 1) surfaces: A first-principle study. Computational Materials Science, 2016, 122, 191-200.	3.0	27
192	Hierarchically Selfâ€Assembled Starâ€Shaped ZnO Microparticles for Electrochemical Sensing of Amines. Chemistry - A European Journal, 2016, 22, 8068-8073.	3.3	9
193	Zeolite CAN and AFI-Type Zeolitic Imidazolate Frameworks with Large 12-Membered Ring Pore Openings Synthesized Using Bulky Amides as Structure-Directing Agents. Journal of the American Chemical Society, 2016, 138, 16232-16235.	13.7	50
194	Covalent Triazine-Based Frameworks with Ultramicropores and High Nitrogen Contents for Highly Selective CO₂ Capture. Environmental Science & Technology, 2016, 50, 4869-4876.	10.0	173
195	Enhancement of hydrogen desorption in magnesium hydride catalyzed by graphene nanosheets supported Ni-CeOx hybrid nanocatalyst. International Journal of Hydrogen Energy, 2016, 41, 10786-10794.	7.1	36
196	Uniformly mesoporous NiO/NiFe2O4 biphasic nanorods as efficient oxygen evolving catalyst for water splitting. International Journal of Hydrogen Energy, 2016, 41, 17976-17986.	7.1	106
197	Size controlling preparation, adsorption and catalytic properties of silica microspheres. Chemical Research in Chinese Universities, 2016, 32, 843-847.	2.6	3
198	Structure and kinetic investigations of surface-stepped CeO 2 -supported Pd catalysts for low-concentration methane oxidation. Chemical Engineering Journal, 2016, 306, 745-753.	12.7	25

#	Article	IF	Citations
199	The effects of ceria morphology on the properties of Pd/ceria catalyst for catalytic oxidation of low-concentration methane. Journal of Materials Science, 2016, 51, 10917-10925.	3.7	35
200	Palladium catalyst supported on stair-like microstructural CeO 2 provides enhanced activity and stability for low-concentration methane oxidation. Applied Catalysis A: General, 2016, 524, 237-242.	4.3	13
201	Nanostructured Fe(III) catalysts for water oxidation assembled with the aid of organic acid salt electrolytes. Applied Surface Science, 2016, 387, 1274-1280.	6.1	2
202	Nanostructured iron(III) oxide catalyst electrodeposited from Fe(II) triflate for electrocatalytic water oxidation. International Journal of Hydrogen Energy, 2016, 41, 17193-17198.	7.1	8
203	Graphene-like Poly(triazine imide) as N₂-Selective Ultrathin Membrane for Postcombustion CO₂ Capture. Journal of Physical Chemistry C, 2016, 120, 28782-28788.	3.1	24
204	CO2/CH4 and CH4/N2 separation on isomeric metal organic frameworks. Chinese Journal of Chemical Engineering, 2016, 24, 1687-1694.	3.5	22
205	Kinetically controlled ammonia vapor diffusion synthesis of a Zn(<scp>ii</scp>) MOF and its H₂O/NH₃ adsorption properties. Journal of Materials Chemistry A, 2016, 4, 10345-10351.	10.3	35
206	Gas permeation properties of polymer membranes containing pendant tertiary amine groups. High Performance Polymers, 2016, 28, 1005-1014.	1.8	8
207	Ammonia capture and flexible transformation of M-2(INA) (M = Cu, Co, Ni, Cd) series materials. Journal of Hazardous Materials, 2016, 306, 340-347.	12.4	39
208	Cucurbit[7]urilâ€“tetraphenylethene hostâ€“guest system induced emission activity. RSC Advances, 2016, 6, 4478-4482.	3.6	13
209	Synthesis and Gas-sensing Performance of Column-shaped Zinc Oxide Doped with-graphene. Materials Today: Proceedings, 2016, 3, 345-349.	1.8	8
210	Mesoporous Co₃O₄@carbon composites derived from microporous cobalt-based porous coordination polymers for enhanced electrochemical properties in supercapacitors. RSC Advances, 2016, 6, 18465-18470.	3.6	18
211	Two-Dimensional Covalent Triazine Framework Membrane for Helium Separation and Hydrogen Purification. ACS Applied Materials & Interfaces, 2016, 8, 8694-8701.	8.0	121
212	Exploration of nanoporous graphene membranes for the separation of N₂ from CO₂: a multi-scale computational study. Physical Chemistry Chemical Physics, 2016, 18, 8352-8358.	2.8	55
213	Exploiting the gate opening effect in a flexible MOF for selective adsorption of propyne from C1/C2/C3 hydrocarbons. Journal of Materials Chemistry A, 2016, 4, 751-755.	10.3	81
214	Improved synthesis of trigone trimer cluster metal organic framework MIL-100Al by a later entry of methyl groups. Chemical Communications, 2016, 52, 725-728.	4.1	13
215	Computational study of oxygen adsorption in metalâ€“organic frameworks with exposed cation sites: effect of framework metal ions. RSC Advances, 2015, 5, 33432-33437.	3.6	24
216	Preparation of nanostructured mesoporous NiCo2O4 and its electrocatalytic activities for water oxidation. Journal of Energy Chemistry, 2015, 24, 271-277.	12.9	23

#	Article	IF	Citations
217	Reversible flexible structural changes in multidimensional MOFs by guest molecules (I2, NH3) and thermal stimulation. Journal of Solid State Chemistry, 2015, 226, 114-119.	2.9	9
218	Protection of open-metal V(III) sites and their associated CO2/CH4/N2/O2/H2O adsorption properties in mesoporous V-MOFs. Journal of Colloid and Interface Science, 2015, 456, 197-205.	9.4	33
219	Size-controlled synthesis of SnO2 quantum dots and their gas-sensing performance. Applied Surface Science, 2015, 346, 256-262.	6.1	56
220	A single precursor approach for ZIF synthesis: transformation of a new 1D [Zn(Im)(HIm)2(OAc)] structure to 3D Zn(Im)2 frameworks. CrystEngComm, 2015, 17, 3998-4005.	2.6	3
221	Self-Assembly of Gridlike Zinc Oxide Lamellae for Chemical-Sensing Applications. ACS Applied Materials & Interfaces, 2015, 7, 5870-5878.	8.0	40
222	Targeted capture and pressure/temperature-responsive separation in flexible metalâ€“organic frameworks. Journal of Materials Chemistry A, 2015, 3, 22574-22583.	10.3	30
223	Acid-treatment-assisted synthesis of Ptâ€“Sn/graphene catalysts and their enhanced ethanol electro-catalytic activity. International Journal of Hydrogen Energy, 2015, 40, 990-997.	7.1	16
224	CO2-facilitated transport performance of poly(ionic liquids) in supported liquid membranes. Journal of Materials Science, 2015, 50, 104-111.	3.7	12
225	Novel copper oxides oxygen evolving catalyst in situ for electrocatalytic water splitting. Electrochimica Acta, 2015, 152, 280-285.	5.2	16
226	Catalytic performance of Mo₂C supported on onion-like carbon for dehydrogenation of cyclohexane. RSC Advances, 2014, 4, 53950-53953.	3.6	22
227	Adsorption and separation of CO2 on Fe(II)-MOF-74: Effect of the open metal coordination site. Journal of Solid State Chemistry, 2014, 213, 224-228.	2.9	36
228	Separation of CO2/CH4 and CH4/N2 mixtures using MOF-5 and Cu3(BTC)2. Journal of Energy Chemistry, 2014, 23, 453-460.	12.9	42
229	Separation of CO 2 /CH 4 and CH 4 /N 2 mixtures by M/DOBDC: A detailed dynamic comparison with MIL-100(Cr) and activated carbon. Microporous and Mesoporous Materials, 2014, 198, 236-246.	4.4	105
230	Controllable synthesis of prism- and lamella-like ZnO and their gas sensing. Materials Letters, 2014, 136, 427-430.	2.6	27
231	A new 3D coordination polymer based on 2,6-dimethylpyridine-3,5-dicarboxylic acid and 4,4â€²-bipyridine mixed ligands. Inorganic Chemistry Communication, 2014, 48, 86-89.	3.9	2
232	Experiments and simulations on separating a CO2/CH4 mixture using K-KFI at low and high pressures. Microporous and Mesoporous Materials, 2014, 184, 21-27.	4.4	34
233	Modulated crystalline Ag-Ci oxygen-evolving catalysts for electrocatalytic water oxidation. International Journal of Hydrogen Energy, 2014, 39, 1364-1370.	7.1	13
234	Adsorption and molecular simulation of CO2 and CH4 in two-dimensional metalâ€“organic frameworks with the same layered substrate. CrystEngComm, 2013, 15, 6782.	2.6	12

#	Article	IF	Citations
235	Metal-Ci oxygen-evolving catalysts generated in situ in a mild H2O/CO2 environment. International Journal of Hydrogen Energy, 2013, 38, 5251-5258.	7.1	15
236	A mild H3BO3 environment for water splitting. International Journal of Hydrogen Energy, 2013, 38, 10191-10195.	7.1	15
237	One-dimensional interpenetrated coordination polymers showing step gas sorption properties. CrystEngComm, 2013, 15, 1689.	2.6	8
238	Synthesis and hydrogen storage studies of metalâ^'organic framework UiO-66. International Journal of Hydrogen Energy, 2013, 38, 13104-13109.	7.1	91
239	RESEARCH ON THE ADSORPTION OF O2 IN METALâ€"ORGANIC FRAMEWORKS WITH OPEN MANGANESE(II) COORDINATION SITES. Functional Materials Letters, 2013, 06, 1350004.	1.2	4
240	Adsorption of CO₂, CH₄, and N₂ on 8-, 10-, and 12-Membered Ring Hydrophobic Microporous High-Silica Zeolites: DDR, Silicalite-1, and Beta. Industrial & Engineering Chemistry Research, 2013, 52, 17856-17864.	3.7	114
241	Ionothermal synthesis of two open-framework zirconium phosphates and their gas adsorption properties. Dalton Transactions, 2012, 41, 12915.	3.3	7
242	Adsorption of CO₂, CH₄, and N₂ on Gas Diameter Grade Ion-Exchange Small Pore Zeolites. Journal of Chemical & Engineering Data, 2012, 57, 3701-3709.	1.9	85
243	Synthesis and characterization of [Cu(SiF₆)(4,4â€²-bpy)₂] with its H₂ and CO₂ adsorption. Journal of Coordination Chemistry, 2012, 65, 1645-1654.	2.2	3
244	Adsorption CO2, CH4 and N2 on two different spacing flexible layer MOFs. Microporous and Mesoporous Materials, 2012, 161, 154-159.	4.4	37
245	Molecular simulation of hydrogen storage in ion-exchanged Mazzite and Levyne zeolites. Computational and Theoretical Chemistry, 2012, 980, 1-6.	2.5	11
246	A WO3/Agâ€"Bi oxygen-evolution catalyst for splitting water under mild conditions. International Journal of Hydrogen Energy, 2012, 37, 13249-13255.	7.1	23
247	Synthesis, structure and characterization of ZrPOF-DEA, a microporous zirconium phosphate framework material. Microporous and Mesoporous Materials, 2012, 164, 82-87.	4.4	6
248	Hydrothermal Synthesis of Pure-Phase Copper Silicate Na2Cu2Si4O11Â·2H2O with Ammonia as Complexing Agent. European Journal of Inorganic Chemistry, 2011, 2011, 2112-2117.	2.0	4
249	Synthesis of ZIFâ€8 and ZIFâ€67 by Steamâ€Assisted Conversion and an Investigation of Their Tribological Behaviors. Angewandte Chemie - International Edition, 2011, 50, 672-675.	13.8	382
250	Ionothermal Synthesis and Structure Analysis of an Openâ€Framework Zirconium Phosphate with a High CO₂/CH₄ Adsorption Ratio. Angewandte Chemie - International Edition, 2011, 50, 8139-8142.	13.8	67
251	A novel silver oxides oxygen evolving catalyst for water splitting. International Journal of Hydrogen Energy, 2011, 36, 7374-7380.	7.1	63
252	Solvent effect on the synthesis of MIL-96(Cr) and MIL-100(Cr). Microporous and Mesoporous Materials, 2011, 142, 489-493.	4.4	66

#	Article	IF	Citations
253	Hydrogen Adsorption on Zeolite Na-MAZ and Li-MAZ Clusters. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 1647-1653.	4.9	5
254	Integrated production of xylitol and ethanol using corncob. Applied Microbiology and Biotechnology, 2010, 87, 411-417.	3.6	48
255	Synthesis of metalâ€“organic framework MIL-101 in TMAOH-Cr(NO3)3-H2BDC-H2O and its hydrogen-storage behavior. Microporous and Mesoporous Materials, 2010, 130, 174-179.	4.4	127
256	Improved 2,3-butanediol production from corncob acid hydrolysate by fed-batch fermentation using Klebsiella oxytoca. Process Biochemistry, 2010, 45, 613-616.	3.7	99
257	Ionothermal Synthesis of Layered Zirconium Phosphates and Their Tribological Properties in Mineral Oil. Inorganic Chemistry, 2010, 49, 8270-8275.	4.0	44
258	Synthesis of metal-organic frameworks from the system metal/<scp>L</scp>-glutamic acid/TEA/H₂O. Journal of Coordination Chemistry, 2009, 62, 1959-1963.	2.2	18
259	Improved synthesis and hydrogen storage of a microporous metalâ€“organic framework material. Energy Conversion and Management, 2009, 50, 1314-1317.	9.2	18
260	Ionothermal Synthesis of Zirconium Phosphates and Their Catalytic Behavior in the Selective Oxidation of Cyclohexane. Angewandte Chemie - International Edition, 2009, 48, 2206-2209.	13.8	89
261	Cooperative structure-directing effects in the synthesis of a low-silica zeolite phillipsite analogue. Microporous and Mesoporous Materials, 2009, 121, 152-157.	4.4	3
262	Synthesis and hydrogen-storage behavior of metalâ€“organic framework MOF-5. International Journal of Hydrogen Energy, 2009, 34, 1377-1382.	7.1	219
263	Synthesis and properties of a zeolite LEV analogue from the systemâ€”Na2Oâ€“Al2O3â€“SiO2â€“N,N-dimethylpiperidine chlorideâ€“H2O. Catalysis Today, 2009, 148, 6-11.	4.4	5
264	Synthesis, Structure, and Characterization of Two Photoluminescent Zirconium Phosphateâ^'Quinoline Compounds. Inorganic Chemistry, 2009, 48, 8947-8954.	4.0	14
265	Template control in ionothermal synthesis of aluminophosphate microporous materials. Dalton Transactions, 2009, , 10418.	3.3	22
266	Synthesis of Î±-layered sodium disilicate and its tribological properties in liquid paraffin. Journal of Materials Chemistry, 2009, 19, 6896.	6.7	14
267	Hydrogen storage in several metalâ€phosphate molecular sieves. AICHE Journal, 2008, 54, 3017-3025.	3.6	9
268	Ionothermal synthesis of a three-dimensional zinc phosphate with DFT topology using unstable deep-eutectic solvent as template-delivery agent. Microporous and Mesoporous Materials, 2008, 115, 624-628.	4.4	51
269	Synthesis of large single crystals of a clathrate compound MTN (a zeolite-like material) by the vapor-phase method. Materials Letters, 2008, 62, 4-6.	2.6	12
270	Hydrolysis of Î±, Î²-Layered Sodium Disilicate in Ions Binding Process. Tenside, Surfactants, Detergents, 2008, 45, 6-12.	1.2	1

#	Article	IF	Citations
271	The Synthesis and Properties of High Pure Î´ Layered Sodium Disilicate. Tenside, Surfactants, Detergents, 2007, 44, 34-39.	1.2	2
272	Hydrogen storage in several microporous zeolites. International Journal of Hydrogen Energy, 2007, 32, 4998-5004.	7.1	193
273	Synthesis, characterization and crystal structure analysis of an open-framework zirconium phosphate. Microporous and Mesoporous Materials, 2007, 104, 185-191.	4.4	19
274	Preparation, Characterization, and Catalytical Application of MgCoAl-Hydrotalcite-Like Compounds. Journal of Natural Gas Chemistry, 2007, 16, 371-376.	1.8	22
275	Interaction Between Al-Î´ Layered Sodium Disilicate and Surfactant. Journal of Surfactants and Detergents, 2007, 10, 19-24.	2.1	2
276	Hydrolysis of Î´-Layered Sodium Disilicate in Ions Binding Process. Tenside, Surfactants, Detergents, 2006, 43, 130-136.	1.2	3
277	Synthesis of Î´ Layered Sodium Disilicate with High Framework Stability. Tenside, Surfactants, Detergents, 2004, 41, 274-277.	1.2	2
278	A novel method for the preparation of zeolite ZSM-5. Journal of the Chemical Society Chemical Communications, 1990, , 755.	2.0	333
279	Investigation of the formation characteristics of methane hydrate in frozen porous media. Petroleum Science and Technology, 0, , 1-18.	1.5	0