Jian Xue

List of Publications by Year in descending order

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30 papers	2,657 citations	393982 19 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	3658 citing authors

#	Article	IF	Citations
1	Mixed Oxygen Ionic and Electronic Conducting Membrane Reactors for Pure Chemicals Production. Chemie-Ingenieur-Technik, 2022, 94, 31-41.	0.4	5
2	Enhanced Hydrogen Permeability of Mixed Protonicâ€“Electronic Conducting Membranes through an Inâ€Situ Exsolution Strategy. Advanced Functional Materials, 2022, 32, .	7.8	12
3	Proton conducting membranes for hydrogen and ammonia production. Reaction Chemistry and Engineering, 2021, 6, 1739-1770.	1.9	12
4	Catalytic ceramic oxygen ionic conducting membrane reactors for ethylene production. Reaction Chemistry and Engineering, 2021, 6, 1327-1341.	1.9	8
5	Covalent Organic Framework Membranes for Efficient Chemicals Separation. Small Structures, 2021, 2, 2100061.	6.9	48
6	Localization of deformation and its effects on power-law singularity preceding catastrophic rupture in rocks. International Journal of Damage Mechanics, 2020, 29, 86-102.	2.4	11
7	Flow field analyses of a porous membrane-separated, double-layered microfluidic chip for cell co-culture. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 754-767.	1.5	11
8	Enhanced antipressure ability through graphene oxide membrane by intercalating gâ€C₃N₄ nanosheets for water purification. AICHE Journal, 2019, 65, e16699.	1.8	54
9	Tailoring hydrogen separation performance through the ceramic lanthanum tungstate membranes by chlorine doping. Journal of Membrane Science, 2019, 573, 117-125.	4.1	20
10	High oxygen permeation through A-site deficient K 2 NiF 4+Î´ -type oxide hollow-fiber membrane. Ceramics International, 2018, 44, 10852-10857.	2.3	20
11	MXene molecular sieving membranes for highly efficient gas separation. Nature Communications, 2018, 9, 155.	5.8	825
12	Enhanced water flux through graphitic carbon nitride nanosheets membrane by incorporating polyacrylic acid. AICHE Journal, 2018, 64, 2181-2188.	1.8	66
13	The Changeable Power Law Singularity and its Application to Prediction of Catastrophic Rupture in Uniaxial Compressive Tests of Geomedia. Journal of Geophysical Research: Solid Earth, 2018, 123, 2645-2657.	1.4	15
14	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
15	Molybdenum Carbide Nanodots Enable Efficient Electrocatalytic Nitrogen Fixation under Ambient Conditions. Advanced Materials, 2018, 30, e1803694.	11.1	572
16	Paralyzed membrane: Current-driven synthesis of a metal-organic framework with sharpened propene/propane separation. Science Advances, 2018, 4, eaau1393.	4.7	234
17	Asymmetric membrane structure: An efficient approach to enhance hydrogen separation performance. Separation and Purification Technology, 2018, 207, 363-369.	3.9	24
18	Water Transport with Ultralow Friction through Partially Exfoliated gâ€C₃N₄ Nanosheet Membranes with Selfâ€Supporting Spacers. Angewandte Chemie, 2017, 129, 9102-9108.	1.6	31

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19	Water Transport with Ultralow Friction through Partially Exfoliated gâ€C₃N₄ Nanosheet Membranes with Selfâ€Supporting Spacers. Angewandte Chemie - International Edition, 2017, 56, 8974-8980.	7.2	266
20	Tuning the separation performance of hydrogen permeable membranes using an anion doping strategy. Journal of Materials Chemistry A, 2017, 5, 20482-20490.	5.2	32
21	Frontispiece: Water Transport with Ultralow Friction through Partially Exfoliated gâ€C₃N₄ Nanosheet Membranes with Selfâ€Supporting Spacers. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
22	Frontispiz: Water Transport with Ultralow Friction through Partially Exfoliated gâ€C₃N₄ Nanosheet Membranes with Selfâ€Supporting Spacers. Angewandte Chemie, 2017, 129, .	1.6	2
23	CO2-tolerant Ni-La5.5WO11.25-Î´ dual-phase membranes with enhanced H2 permeability. Ceramics International, 2017, 43, 14608-14615.	2.3	18
24	A Dualâ€Phase Ceramic Membrane with Extremely High H₂ Permeation Flux Prepared by Autoseparation of a Ceramic Precursor. Angewandte Chemie - International Edition, 2016, 55, 10895-10898.	7.2	76
25	Gas to Liquids: Natural Gas Conversion to Aromatic Fuels and Chemicals in a Hydrogen-Permeable Ceramic Hollow Fiber Membrane Reactor. ACS Catalysis, 2016, 6, 2448-2451.	5.5	70
26	The phase stability of the Ruddlesden-Popper type oxide (Pr0.9La0.1)2.0Ni0.74Cu0.21Ga0.05O4+ in an oxidizing environment. Journal of Membrane Science, 2016, 497, 357-364.	4.1	25
27	Hydrogen permeability and stability of BaCe0.85Tb0.05Zr0.1O3â^' asymmetric membranes. Journal of Membrane Science, 2015, 488, 173-181.	4.1	36
28	A new CO₂-resistant Ruddlesdenâ€“Popper oxide with superior oxygen transport: A-site deficient (Pr_{0.9}La_{0.1})_{1.9}(Ni_{0.74}Cu_{0.21}Ga_{0.05})O_{4+Î´} Journal of Materials Chemistry A, 2015, 3, 19107-19114.	5.2	48
29	Oxygen separation through Uâ€shaped hollow fiber membrane using pure CO₂ as sweep gas. AICHE Journal, 2012, 58, 2856-2864.	1.8	47
30	Preparation and oxygen permeation of Uâ€shaped perovskite hollowâ€fiber membranes. AICHE Journal, 2011, 57, 975-984.	1.8	55