Tao Yu

List of Publications by Year in descending order

37 papers	1,134 citations	393982 19 h-index	395343 33 g-index
37 all docs	37 docs citations	37 times ranked	896 citing authors

#	Article	IF	Citations
1	Steam gasification of marine biomass and its biochars for hydrogen-rich gas production. Biomass Conversion and Biorefinery, 2023, 13, 8641-8650.	2.9	9
2	Mesoporous catalysts for catalytic oxidation of volatile organic compounds: preparations, mechanisms and applications. Reviews in Chemical Engineering, 2022, .	2.3	1
3	Numerical evaluation of free gas accumulation behavior in a reservoir during methane hydrate production using a multiple-well system. Energy, 2021, 218, 119560.	4.5	10
4	Numerical investigation on the long-term gas production behavior at the 2017 Shenhu methane hydrate production site. Applied Energy, 2021, 285, 116466.	5.1	38
5	Hydrogen-rich gas production from steam co-gasification of banana peel with agricultural residues and woody biomass. Waste Management, 2021, 125, 204-214.	3.7	42
6	Gas Production Enhancement from a Multilayered Hydrate Reservoir in the South China Sea by Hydraulic Fracturing. Energy & Fuels, 2021, 35, 12104-12118.	2.5	30
7	Steam co-gasification of Japanese cedarwood and its commercial biochar for hydrogen-rich gas production. International Journal of Hydrogen Energy, 2021, 46, 34587-34598.	3.8	20
8	Numerical evaluation on the effect of horizontal-well systems on the long-term gas hydrate production behavior at the second Shenhu test site. Journal of Natural Gas Science and Engineering, 2021, 95, 104200.	2.1	13
9	Steam gasification of biochars derived from pruned apple branch with various pyrolysis temperatures. International Journal of Hydrogen Energy, 2020, 45, 18321-18330.	3.8	18
10	3D visualization of methane hydrate production behaviors under actual wellbore conditions. Journal of Petroleum Science and Engineering, 2020, 185, 106645.	2.1	8
11	Nickel phosphate nanorod-enhanced polyethylene oxide-based composite polymer electrolytes for solid-state lithium batteries. Journal of Colloid and Interface Science, 2020, 565, 110-118.	5.0	47
12	In-situ observation for natural gas hydrate in porous medium: Water performance and formation characteristic. Magnetic Resonance Imaging, 2020, 65, 166-174.	1.0	23
13	Lithium-Salt-Containing Ionic Liquid-Incorporated Liâ€“Al-Layered Double Hydroxide-Based Solid Electrolyte with High-Performance and Safety in Solid-State Lithium Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 12378-12387.	3.2	16
14	Coral reef-like MoS2 microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. Journal of Materials Science, 2020, 55, 14389-14400.	1.7	16
15	Simultaneously enhancing the thermal stability and electrochemical performance of solid polymer electrolytes by incorporating rod-like Zn2(OH)BO3 particles. International Journal of Hydrogen Energy, 2020, 45, 19601-19610.	3.8	9
16	Stable hetero-metal doped Co-based catalysts prepared by electrodeposition method for low temperature combustion of toluene. Carbon Resources Conversion, 2020, 3, 95-103.	3.2	5
17	A hydrate blockage detection apparatus for gas pipeline using ultrasonic focused transducer and its application on a flow loop. Energy Science and Engineering, 2020, 8, 1770-1780.	1.9	21
18	Catalytic oxidation of volatile organic compound over cerium modified cobalt-based mixed oxide catalysts synthesized by electrodeposition method. Applied Catalysis B: Environmental, 2020, 271, 118941.	10.8	65

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19	Effects of cobalt and iron proportions in Pr0.4Sr0.6Co0.9-xFexNb0.1O3-Î´ electrode material for symmetric solid oxide fuel cells. Journal of Alloys and Compounds, 2020, 831, 154738.	2.8	23
20	Highly dispersed Ag nanoparticles embedded on the surface of CeO2/CF nanowires derived from three-dimensional structured Cu foam for toluene catalytic oxidation. Molecular Catalysis, 2020, 486, 110879.	1.0	7
21	The in situ morphology transformation of bismuth-based catalysts for the effective electroreduction of carbon dioxide. Sustainable Energy and Fuels, 2020, 4, 2831-2840.	2.5	27
22	A novel system of biomass-based hydrogen production by combining steam bio-oil reforming and chemical looping process. Applied Energy, 2020, 268, 115122.	5.1	42
23	3D investigation of the effects of multiple-well systems on methane hydrate production in a low-permeability reservoir. Journal of Natural Gas Science and Engineering, 2020, 76, 103213.	2.1	40
24	Evaluation of cerium doped perovskites (Ce0.1Sr0.9)xCo0.3Fe0.7O3-Î´ as cathode materials for solid oxide fuel cells. Catalysis Today, 2019, 332, 94-100.	2.2	12
25	Bi-Doped SnO Nanosheets Supported on Cu Foam for Electrochemical Reduction of CO₂ to HCOOH. ACS Applied Materials & Interfaces, 2019, 11, 42114-42122.	4.0	85
26	Analysis of the Kozenyâ€“Carman model based on pore networks. Journal of Geophysics and Engineering, 2019, 16, 1191-1199.	0.7	5
27	Enhanced Gas Recovery from Methane Hydrate Reservoir in the Nankai Trough, Japan. Energy Procedia, 2019, 158, 5213-5218.	1.8	6
28	3D visualization of fluid flow behaviors during methane hydrate extraction by hot water injection. Energy, 2019, 188, 116110.	4.5	26
29	Application of horizontal wells to the oceanic methane hydrate production in the Nankai Trough, Japan. Journal of Natural Gas Science and Engineering, 2019, 62, 113-131.	2.1	83
30	Production performance and numerical investigation of the 2017 offshore methane hydrate production test in the Nankai Trough of Japan. Applied Energy, 2019, 251, 113338.	5.1	110
31	Gas recovery enhancement from methane hydrate reservoir in the Nankai Trough using vertical wells. Energy, 2019, 166, 834-844.	4.5	75
32	Heat-assisted production strategy for oceanic methane hydrate development in the Nankai Trough, Japan. Journal of Petroleum Science and Engineering, 2019, 174, 649-662.	2.1	32
33	Characterization of Bâ€Site Niobiumâ€Doped Pr_{0.4}Sr_{0.6}(Co_{0.3}Fe_{0.6})_{1â€x}Nb_xO_{3â€Î´} (x=0, 0.05, 0.1, 0.2) Perovskites as Cathode Materials for Solid Oxide Fuel Cells. ChemistrySelect, 2018, 3, 4609-4618.	0.7	6
34	Estimation of CO₂ Storage Capacity in the Real Sub-Seabed Sediments by Gas Hydrate. Journal of Flow Control Measurement &amp Visualization, 2018, 06, 82-94.	0.1	0
35	Decomposition of formic acid for hydrogen production over metal doped nanosheet-like MoC 1â^'x catalysts. Energy Conversion and Management, 2017, 147, 166-173.	4.4	14
36	An integrated model for CO 2 hydrate formation in sand sediments for sub-seabed CO 2 storage. International Journal of Greenhouse Gas Control, 2016, 52, 250-269.	2.3	33

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37	Numerical simulation of gas production from hydrate deposits using a single vertical well by depressurization in the Qilian Mountain permafrost, Qinghai-Tibet Plateau, China. Energy, 2013, 52, 308-319.	4.5	117