

Tao Yu

List of Publications by Year in descending order

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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	Numerical simulation of gas production from hydrate deposits using a single vertical well by depressurization in the Qilian Mountain permafrost, Qinghai-Tibet Plateau, China. <i>Energy</i> , 2013, 52, 308-319.	4.5	117
2	Production performance and numerical investigation of the 2017 offshore methane hydrate production test in the Nankai Trough of Japan. <i>Applied Energy</i> , 2019, 251, 113338.	5.1	110
3	Bi-Doped SnO Nanosheets Supported on Cu Foam for Electrochemical Reduction of CO ₂ to HCOOH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42114-42122.	4.0	85
4	Application of horizontal wells to the oceanic methane hydrate production in the Nankai Trough, Japan. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 62, 113-131.	2.1	83
5	Gas recovery enhancement from methane hydrate reservoir in the Nankai Trough using vertical wells. <i>Energy</i> , 2019, 166, 834-844.	4.5	75
6	Catalytic oxidation of volatile organic compound over cerium modified cobalt-based mixed oxide catalysts synthesized by electrodeposition method. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118941.	10.8	65
7	Nickel phosphate nanorod-enhanced polyethylene oxide-based composite polymer electrolytes for solid-state lithium batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 110-118.	5.0	47
8	Hydrogen-rich gas production from steam co-gasification of banana peel with agricultural residues and woody biomass. <i>Waste Management</i> , 2021, 125, 204-214.	3.7	42
9	A novel system of biomass-based hydrogen production by combining steam bio-oil reforming and chemical looping process. <i>Applied Energy</i> , 2020, 268, 115122.	5.1	42
10	3D investigation of the effects of multiple-well systems on methane hydrate production in a low-permeability reservoir. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 76, 103213.	2.1	40
11	Numerical investigation on the long-term gas production behavior at the 2017 Shenhu methane hydrate production site. <i>Applied Energy</i> , 2021, 285, 116466.	5.1	38
12	An integrated model for CO ₂ hydrate formation in sand sediments for sub-seabed CO ₂ storage. <i>International Journal of Greenhouse Gas Control</i> , 2016, 52, 250-269.	2.3	33
13	Heat-assisted production strategy for oceanic methane hydrate development in the Nankai Trough, Japan. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 649-662.	2.1	32
14	Gas Production Enhancement from a Multilayered Hydrate Reservoir in the South China Sea by Hydraulic Fracturing. <i>Energy & Fuels</i> , 2021, 35, 12104-12118.	2.5	30
15	The <i>in situ</i> morphology transformation of bismuth-based catalysts for the effective electroreduction of carbon dioxide. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2831-2840.	2.5	27
16	3D visualization of fluid flow behaviors during methane hydrate extraction by hot water injection. <i>Energy</i> , 2019, 188, 116110.	4.5	26
17	In-situ observation for natural gas hydrate in porous medium: Water performance and formation characteristic. <i>Magnetic Resonance Imaging</i> , 2020, 65, 166-174.	1.0	23
18	Effects of cobalt and iron proportions in Pr _{0.4} Sr _{0.6} Co _{0.9-x} FexNb _{0.1} O _{3-δ} electrode material for symmetric solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154738.	2.8	23

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19	A hydrate blockage detection apparatus for gas pipeline using ultrasonic focused transducer and its application on a flow loop. <i>Energy Science and Engineering</i> , 2020, 8, 1770-1780.	1.9	21
20	Steam co-gasification of Japanese cedarwood and its commercial biochar for hydrogen-rich gas production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34587-34598.	3.8	20
21	Steam gasification of biochars derived from pruned apple branch with various pyrolysis temperatures. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18321-18330.	3.8	18
22	Lithium-Salt-Containing Ionic Liquid-Incorporated Li-Al-Layered Double Hydroxide-Based Solid Electrolyte with High-Performance and Safety in Solid-State Lithium Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12378-12387.	3.2	16
23	Coral reef-like MoS ₂ microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 14389-14400.	1.7	16
24	Decomposition of formic acid for hydrogen production over metal doped nanosheet-like MoC $1\hat{x}$ catalysts. <i>Energy Conversion and Management</i> , 2017, 147, 166-173.	4.4	14
25	Numerical evaluation on the effect of horizontal-well systems on the long-term gas hydrate production behavior at the second Shenhu test site. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 95, 104200.	2.1	13
26	Evaluation of cerium doped perovskites (Ce _{0.1} Sr _{0.9}) _x Co _{0.3} Fe _{0.7} O _{3-\hat{r}} as cathode materials for solid oxide fuel cells. <i>Catalysis Today</i> , 2019, 332, 94-100.	2.2	12
27	Numerical evaluation of free gas accumulation behavior in a reservoir during methane hydrate production using a multiple-well system. <i>Energy</i> , 2021, 218, 119560.	4.5	10
28	Simultaneously enhancing the thermal stability and electrochemical performance of solid polymer electrolytes by incorporating rod-like Zn ₂ (OH)BO ₃ particles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19601-19610.	3.8	9
29	Steam gasification of marine biomass and its biochars for hydrogen-rich gas production. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8641-8650.	2.9	9
30	3D visualization of methane hydrate production behaviors under actual wellbore conditions. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106645.	2.1	8
31	Highly dispersed Ag nanoparticles embedded on the surface of CeO ₂ /CF nanowires derived from three-dimensional structured Cu foam for toluene catalytic oxidation. <i>Molecular Catalysis</i> , 2020, 486, 110879.	1.0	7
32	Characterization of Bi-Site Niobium-Doped Pr _{0.4} Sr _{0.6} (Co _{0.3} Fe _{0.6}) _{1-x} Nb _x O _{3-\hat{r}} (x=0, 0.05, 0.1, 0.2)0.7 Perovskites as Cathode Materials for Solid Oxide Fuel Cells. <i>ChemistrySelect</i> , 2018, 3, 4609-4618.		6
33	Enhanced Gas Recovery from Methane Hydrate Reservoir in the Nankai Trough, Japan. <i>Energy Procedia</i> , 2019, 158, 5213-5218.	1.8	6
34	Analysis of the Kozeny-Carman model based on pore networks. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 1191-1199.	0.7	5
35	Stable hetero-metal doped Co-based catalysts prepared by electrodeposition method for low temperature combustion of toluene. <i>Carbon Resources Conversion</i> , 2020, 3, 95-103.	3.2	5
36	Mesoporous catalysts for catalytic oxidation of volatile organic compounds: preparations, mechanisms and applications. <i>Reviews in Chemical Engineering</i> , 2022, .	2.3	1

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37	Estimation of CO ₂ Storage Capacity in the Real Sub-Seabed Sediments by Gas Hydrate. Journal of Flow Control Measurement & Visualization, 2018, 06, 82-94.	0.1	0