

Fei Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/284881/publications.pdf>

Version: 2024-02-01

96
papers

4,587
citations

101543

36
h-index

106344

65
g-index

99
all docs

99
docs citations

99
times ranked

5008
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct synthesis of higher alcohols from syngas over modified Mo ₂ C catalysts under mild reaction conditions. Catalysis Science and Technology, 2022, 12, 1697-1708.	4.1	9
2	Effects of alkaline-earth metals on CoMn-based catalysts for the Fischer-Tropsch synthesis to olefins. Catalysis Science and Technology, 2022, 12, 2677-2687.	4.1	6
3	Effects of Noble Metals on a Co ₂ C-Based Supported Catalyst for Fischer-Tropsch to Olefins. Industrial & Engineering Chemistry Research, 2022, 61, 4824-4831.	3.7	3
4	Fischer-Tropsch to olefins over hydrophobic FeMnOx@SiO ₂ catalysts: The effect of SiO ₂ shell content. Applied Catalysis A: General, 2022, 635, 118552.	4.3	10
5	Highly Selective Photocatalytic Aerobic Oxidation of Methane to Oxygenates with Water over W-doped TiO ₂ . ChemSusChem, 2022, 15, .	6.8	18
6	Effect of Treated Time of Hydrothermal Etching Process on Oxide Layer Formation and Its Antibacterial Properties. Biomimetics, 2022, 7, 91.	3.3	2
7	Cobalt Carbide Nanocatalysts for Efficient Syngas Conversion to Value-Added Chemicals with High Selectivity. Accounts of Chemical Research, 2021, 54, 1961-1971.	15.6	54
8	Direct Conversion of Syngas to Higher Alcohols over Multifunctional Catalyst: The Role of Copper-Based Component and Catalytic Mechanism. Journal of Physical Chemistry C, 2021, 125, 6137-6146.	3.1	20
9	Fischer-Tropsch to olefins over CoMn-based catalysts: Effect of preparation methods. Applied Catalysis A: General, 2020, 592, 117414.	4.3	22
10	The Reaction Mechanism and Its Kinetic Model of CO ₂ Reforming with CH ₄ over Ni-Mg ₁₅ @HC Catalyst. Catalysis Letters, 2020, 150, 1479-1488.	2.6	3
11	Flexible Poly(Vinyl Alcohol)-Graphene Oxide Hybrid Nanocomposite Based Cognitive Memristor with Pavlovian-Conditioned Reflex Activities. Advanced Electronic Materials, 2020, 6, 1901402.	5.1	31
12	Non-thermal plasma-enhanced dry reforming of methane and CO ₂ over Ce-promoted Ni/C catalysts. Molecular Catalysis, 2020, 485, 110821.	2.0	21
13	Threshold-Tunable, Spike-Rate-Dependent Plasticity Originating from Interfacial Proton Gating for Pattern Learning and Memory. ACS Applied Materials & Interfaces, 2020, 12, 7833-7839.	8.0	41
14	Oxide Neuromorphic Transistors Gated by Polyvinyl Alcohol Solid Electrolytes with Ultralow Power Consumption. ACS Applied Materials & Interfaces, 2019, 11, 28352-28358.	8.0	46
15	Non-thermal plasma enhanced dry reforming of CH ₄ with CO ₂ over activated carbon supported Ni catalysts. Molecular Catalysis, 2019, 475, 110486.	2.0	38
16	Sandwiched SiO ₂ @Ni@ZrO ₂ as a Coke Resistant Nanocatalyst for Carbon Dioxide Reforming with Addition of Methane. , 2019, , .		0
17	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. Angewandte Chemie - International Edition, 2019, 58, 4627-4631.	13.8	92
18	Direct production of olefins via syngas conversion over Co ₂ C-based catalyst in slurry bed reactor. RSC Advances, 2019, 9, 4131-4139.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. <i>Angewandte Chemie</i> , 2019, 131, 4675-4679.	2.0	65
20	Bilayered Oxide-Based Cognitive Memristor with Brain-Inspired Learning Activities. <i>Advanced Electronic Materials</i> , 2019, 5, 1900439.	5.1	43
21	Effect of pine wood biochar mixed with two types of compost on growth of bell pepper (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 2.1 11	2.1	11
22	The complete chloroplast genome of <i>aquilegia rockii</i> , an endemic herb plant in Western China. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1737-1738.	0.4	1
23	Sandwiched SiO ₂ @Ni@ZrO ₂ as a coke resistant nanocatalyst for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 612-623.	20.2	92
24	Sustainable olefin supply chain network design under seasonal feedstock supplies and uncertain carbon tax rate. <i>Journal of Cleaner Production</i> , 2019, 222, 280-299.	9.3	34
25	Ionotronic Neuromorphic Devices for Bionic Neural Network Applications. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, .	2.4	16
26	Mechanism and Performance of the SCR of NO with NH ₃ over Sulfated Sintered Ore Catalyst. <i>Catalysts</i> , 2019, 9, 90.	3.5	14
27	Particle Size Effects of Cobalt Carbide for Fischer-Tropsch to Olefins. <i>ACS Catalysis</i> , 2019, 9, 798-809.	11.2	45
28	Chitosan-Based Polysaccharide-Gated Flexible Indium Tin Oxide Synaptic Transistor with Learning Abilities. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16881-16886.	8.0	120
29	Effects of biochar mixtures with pine-bark based substrates on growth and development of horticultural crops. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 345-354.	2.1	19
30	Mesoporous Ni(OH) ₂ /CeNiO _x Composites Derived Ni/CeNiO _x Catalysts for Dry Reforming of Methane. <i>ChemCatChem</i> , 2018, 10, 250-258.	3.7	15
31	A two-stage chance-constrained stochastic programming model for a bio-fuel supply chain network. <i>International Journal of Production Economics</i> , 2018, 195, 27-44.	8.9	83
32	The Influence of Texture on Co/SBA-15 Catalyst Performance for Fischer-Tropsch Synthesis. <i>Catalysts</i> , 2018, 8, 661.	3.5	6
33	Restickable Oxide Neuromorphic Transistors with Spike-Timing-Dependent Plasticity and Pavlovian Associative Learning Activities. <i>Advanced Functional Materials</i> , 2018, 28, 1804025.	14.9	139
34	Effect of Reaction Pressures on Structure-Performance of Co ₂ -Based Catalyst for Syngas Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 15647-15653.	3.7	31
35	Dendrite Integration Mimicked on Starch-Based Electrolyte-Gated Oxide Dendrite Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40008-40013.	8.0	49
36	Hydrofunctionalization of olefins to value-added chemicals via photocatalytic coupling. <i>Green Chemistry</i> , 2018, 20, 3450-3456.	9.0	21

#	ARTICLE	IF	CITATIONS
37	Catalytic Conversion of Biogas to Syngas via Dry Reforming Process. <i>Advances in Bioenergy</i> , 2018, , 43-76.	1.3	18
38	Electrolyte Gated Oxide Pseudodiode for Inhibitory Synapse Applications. <i>Advanced Electronic Materials</i> , 2018, 4, 1800371.	5.1	14
39	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischer-Tropsch to Olefin Reactions. <i>ACS Catalysis</i> , 2017, 7, 3622-3631.	11.2	157
40	Natural gas reforming of carbon dioxide for syngas over Ni-Ce-Al catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18364-18374.	7.1	33
41	Insight into the phase evolution of a NiMgAl catalyst from the reduction stage to the post-reaction stage during the dry reforming of methane. <i>Chemical Communications</i> , 2017, 53, 6001-6004.	4.1	6
42	Biogas reforming of carbon dioxide to syngas production over Ni-Mg-Al catalysts. <i>Molecular Catalysis</i> , 2017, 436, 248-258.	2.0	39
43	Effect of Sodium on the Structure-Performance Relationship of Co/SiO ₂ for Fischer-Tropsch Synthesis. <i>Chinese Journal of Chemistry</i> , 2017, 35, 918-926.	4.9	31
44	Elucidating the Copper-H ₂ g Iron Carbide Synergistic Interactions for Selective CO Hydrogenation to Higher Alcohols. <i>ACS Catalysis</i> , 2017, 7, 5500-5512.	11.2	82
45	Advances in direct production of value-added chemicals via syngas conversion. <i>Science China Chemistry</i> , 2017, 60, 887-903.	8.2	62
46	Fischer-Tropsch synthesis of olefin-rich liquid hydrocarbons from biomass-derived syngas over carbon-encapsulated iron carbide/iron nanoparticles catalyst. <i>Fuel</i> , 2017, 193, 369-384.	6.4	101
47	Modeling downdraft biomass gasification process by restricting chemical reaction equilibrium with Aspen Plus. <i>Energy Conversion and Management</i> , 2017, 153, 641-648.	9.2	179
48	Mechanism of the Mn Promoter via CoMn Spinel for Morphology Control: Formation of Co ₂ C Nanoprisms for Fischer-Tropsch to Olefins Reaction. <i>ACS Catalysis</i> , 2017, 7, 8023-8032.	11.2	79
49	The effect of syngas composition on the Fischer Tropsch synthesis over three-dimensionally ordered macro-porous iron based catalyst. <i>Molecular Catalysis</i> , 2017, 440, 175-183.	2.0	17
50	Kinetic study of methane reforming with carbon dioxide over NiCeMgAl bimodal pore catalyst. <i>AIChE Journal</i> , 2017, 63, 2019-2029.	3.6	15
51	Hydrodeoxygenation (HDO) of Bio-Oil Model Compounds with Synthesis Gas Using a Water Gas Shift Catalyst with a Mo/Co/K Catalyst. , 2017, , 1903-1935.		0
52	Pilot-Plant Production of Gas-to-Liquid Synthetic Fuel Using Gasified Biomass over a Novel Biochar-Supported Catalyst. <i>Transactions of the ASABE</i> , 2016, 59, 1485-1496.	1.1	1
53	Cobalt carbide nanoprisms for direct production of lower olefins from syngas. <i>Nature</i> , 2016, 538, 84-87.	27.8	647
54	Hydrodeoxygenation of oxidized distilled bio-oil for the production of gasoline fuel type. <i>Energy Conversion and Management</i> , 2016, 112, 319-327.	9.2	82

#	ARTICLE	IF	CITATIONS
55	Supply Chain Design and Management for Syngas Production. ACS Sustainable Chemistry and Engineering, 2016, 4, 890-900.	6.7	16
56	Synthesis of gasoline-range hydrocarbons from nitrogen-rich syngas over a Mo/HZSM-5 bi-functional catalyst. Journal of the Energy Institute, 2016, 89, 782-792.	5.3	17
57	Direct Conversion Biogas to Multiwall Carbon Nanotubes and Syngas over Starch Derived Ni@C Nanoparticles. Microscopy and Microanalysis, 2015, 21, 1829-1830.	0.4	1
58	Recovery of energy and iron from oily sludge pyrolysis in a fluidized bed reactor. Journal of Environmental Management, 2015, 154, 177-182.	7.8	84
59	Fischer-Tropsch synthesis of liquid hydrocarbons over mesoporous SBA-15 supported cobalt catalysts. RSC Advances, 2015, 5, 59792-59803.	3.6	36
60	Synthesis of tungsten carbide nanoparticles in biochar matrix as a catalyst for dry reforming of methane to syngas. Catalysis Science and Technology, 2015, 5, 3270-3280.	4.1	42
61	NH ₃ -SCR denitration catalyst performance over vanadium-titanium with the addition of Ce and Sb. Journal of Environmental Sciences, 2015, 31, 74-80.	6.1	40
62	Synthesis of carbon-encapsulated iron nanoparticles from wood derived sugars by hydrothermal carbonization (HTC) and their application to convert bio-syngas into liquid hydrocarbons. Biomass and Bioenergy, 2015, 83, 85-95.	5.7	46
63	Highly active and stable Ni-based bimodal pore catalyst for dry reforming of methane. Applied Catalysis A: General, 2015, 491, 116-126.	4.3	94
64	Hydrodeoxygenation (HDO) of Bio-oil Model Compounds with Synthesis Gas Using a Water-Gas Shift Catalyst with a Mo/Co/K Catalyst. , 2015, , 1-34.		1
65	High Selectivity Higher Alcohols Synthesis from Syngas over Three-Dimensionally Ordered Macroporous Cu-Fe Catalysts. ChemCatChem, 2014, 6, 473-478.	3.7	64
66	Oxygen removal from syngas by catalytic oxidation of copper catalyst. Journal of the Energy Institute, 2014, 87, 246-252.	5.3	3
67	Inhibitors removal from bio-oil aqueous fraction for increased ethanol production. Bioresource Technology, 2014, 161, 379-384.	9.6	35
68	K-promoted Mo/Co- and Mo/Ni-catalyzed Fischer-Tropsch synthesis of aromatic hydrocarbons with and without a Cu water gas shift catalyst. Applied Catalysis A: General, 2014, 480, 93-99.	4.3	28
69	Synthesis of Aromatic-Rich Gasoline-Range Hydrocarbons from Biomass-Derived Syngas over a Pd-Promoted Fe/HZSM-5 Catalyst. Energy & Fuels, 2014, 28, 2027-2034.	5.1	52
70	Progress and perspectives in converting biogas to transportation fuels. Renewable and Sustainable Energy Reviews, 2014, 40, 1133-1152.	16.4	315
71	Characteristics of Coal and Pine Sawdust Co-carbonization. Energy & Fuels, 2014, 28, 848-857.	5.1	21
72	Catalytic removal of oxygen from biomass-derived syngas. Bioresource Technology, 2013, 147, 117-123.	9.6	16

#	ARTICLE	IF	CITATIONS
73	Pyrolytic spray increases levoglucosan production during fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 100, 33-40.	5.5	52
74	Iron nanoparticles in situ encapsulated in biochar-based carbon as an effective catalyst for the conversion of biomass-derived syngas to liquid hydrocarbons. <i>Green Chemistry</i> , 2013, 15, 1631.	9.0	171
75	Catalytic conversion wood syngas to synthetic aviation turbine fuels over a multifunctional catalyst. <i>Bioresource Technology</i> , 2013, 127, 281-290.	9.6	64
76	Assessment of Potential Capacity Increases at Combined Heat and Power Facilities Based on Available Corn Stover and Forest Logging Residues. <i>Energies</i> , 2013, 6, 4418-4428.	3.1	5
77	The Addition of Water to Extract Maximum Levoglucosan from the Bio-oil Produced via Fast Pyrolysis of Pretreated Loblolly Pinewood. <i>BioResources</i> , 2013, 8, .	1.0	13
78	Material Balance and Energy Balance Analysis for Syngas Generation by a Pilot-Plant Scale Downdraft Gasifier. <i>Journal of Biobased Materials and Bioenergy</i> , 2013, 7, 690-695.	0.3	13
79	Application of Fischer-Tropsch Synthesis in Biomass to Liquid Conversion. <i>Catalysts</i> , 2012, 2, 303-326.	3.5	153
80	Catalytic upgrading nitrogen-riched wood syngas to liquid hydrocarbon mixture over a Fe-Pd/ZSM-5 catalyst. <i>Biomass and Bioenergy</i> , 2012, 47, 469-473.	5.7	13
81	Detoxification and Fermentation of Pyrolytic Sugar for Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1568-1583.	2.9	28
82	Scale-Up of Liquid Hydrocarbon Production using Gasified Biomass. , 2012, , .		0
83	Effect of Acid, Steam Explosion, and Size Reduction Pretreatments on Bio-oil Production from Sweetgum, Switchgrass, and Corn Stover. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 285-297.	2.9	31
84	Gasoline-range hydrocarbon production using biomass derived synthesis gas over Mo/H+ZSM-5. <i>Fuel</i> , 2012, 96, 239-249.	6.4	12
85	Catalytic conversion of syngas to mixed alcohols over Zn-Mn promoted Cu-Fe based catalyst. <i>Applied Catalysis A: General</i> , 2012, 429-430, 48-58.	4.3	79
86	Effect of Acid, Alkali, and Steam Explosion Pretreatments on Characteristics of Bio-Oil Produced from Pinewood. <i>Energy & Fuels</i> , 2011, 25, 3758-3764.	5.1	83
87	Production of high-value products including gasoline hydrocarbons from the thermochemical conversion of syngas. <i>Biofuels</i> , 2011, 2, 677-691.	2.4	9
88	Atmospheric Pressure Liquefaction of Dried Distillers Grains (DDG) and Making Polyurethane Foams from Liquefied DDG. <i>Applied Biochemistry and Biotechnology</i> , 2008, 148, 235-243.	2.9	24
89	Synthesis and Characterization of Two Novel Stigmasterol-Based Cationic Lipids. <i>Letters in Organic Chemistry</i> , 2008, 5, 313-315.	0.5	0
90	Biohydrogen production through fermentation using liquid swine manure as substrate. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 393-401.	1.5	16

#	ARTICLE	IF	CITATIONS
91	Physical and chemical properties of bio-oils from microwave pyrolysis of corn stover. Applied Biochemistry and Biotechnology, 2007, 137-140, 957-970.	2.9	48

92