

Tao Wu

List of Publications by Year in descending order

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206
papers

6,109
citations

66315

42
h-index

106281

65
g-index

209
all docs

209
docs citations

209
times ranked

6218
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical solution for sheet-pile groin vibrations under tidal bore excitation. <i>Marine Georesources and Geotechnology</i> , 2023, 41, 493-508.	1.2	2
2	DFT study of the oxidation of Hg0 by O2 on an Mn-doped buckled g-C3N4 catalyst. <i>Current Applied Physics</i> , 2022, 40, 83-89.	1.1	10
3	Co-regulation of dispersion, exposure and defect sites on CeO2 (111) surface for catalytic oxidation of Hg0. <i>Journal of Hazardous Materials</i> , 2022, 424, 126566.	6.5	15
4	Predictive Search for Capacitated Multi-Item Lot Sizing Problems. <i>INFORMS Journal on Computing</i> , 2022, 34, 385-406.	1.0	2
5	Insights into the effects of single Mo vacancy sites on the adsorption and dissociation of CO2 and H2O over the tertiary N-doped MoS2 monolayers. <i>Applied Surface Science</i> , 2022, 577, 151908.	3.1	4
6	A supervised learning-driven heuristic for solving the facility location and production planning problem. <i>European Journal of Operational Research</i> , 2022, 301, 785-796.	3.5	7
7	Adsorptive removal of organic dyes via porous materials for wastewater treatment in recent decades: A review on species, mechanisms and perspectives. <i>Chemosphere</i> , 2022, 293, 133464.	4.2	146
8	Mn doped CeO2-MoO3/ γ -Al2O3 catalysts for the enhanced adsorption and catalytic oxidation of Hg0 in oxygen atmosphere. <i>Applied Surface Science</i> , 2022, 581, 152327.	3.1	5
9	MoS2 quantum dots based MoS2/HKUST-1 composites for the highly efficient catalytic oxidation of elementary mercury. <i>Journal of Environmental Sciences</i> , 2022, 116, 163-174.	3.2	4
10	Vacuum-Freeze Drying Assist for the Fabrication of a Nickel-Aluminium Catalyst and Its Effects on the Structure-Reactivity in the Catalytic Dry Reforming of Methane. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 759-767.	2.0	0
11	Biomass to nanoparticles: Recent advances in the process and processing towards sustainability. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 175, 108908.	1.8	4
12	Highly active Ni/Al2O3 catalyst for CO2 methanation by the decomposition of Ni-MOF@Al2O3 precursor via cold plasma. <i>Applied Energy</i> , 2022, 315, 119036.	5.1	14
13	Data-Driven Materials Innovation and Applications. <i>Advanced Materials</i> , 2022, 34, e2104113.	11.1	51
14	Power Generation by Flat-Tube Solid Oxide Fuel Cells with Enhanced Internal Reforming of Methanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6276-6288.	3.2	15
15	Rational tuning of intermolecular and intramolecular interactions enabling high-efficiency indoor organic photovoltaics. <i>Nano Energy</i> , 2022, 99, 107414.	8.2	14
16	Unsupervised Learning-Driven Heuristic for Production-Distribution Problems. <i>Transportation Science</i> , 2022, 56, 1677-1702.	2.6	0
17	Technical Note "On Nested Partitions Method for Global Optimization. <i>Operations Research</i> , 2021, 69, 1533-1539.	1.2	0
18	A recent trend: application of graphene in catalysis. <i>Carbon Letters</i> , 2021, 31, 177-199.	3.3	56

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19	The hub location problem with market selection. <i>Computers and Operations Research</i> , 2021, 127, 105136.	2.4	4
20	The influence of lignocellulose on biomass pyrolysis product distribution and economics via steady state process simulation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 104968.	2.6	20
21	Influence of co-processing of coal and oil shale on combustion characteristics, kinetics and ash fusion behaviour. <i>Energy</i> , 2021, 216, 119229.	4.5	16
22	In-Situ Testing of Methane Emissions from Landfills Using Laser Absorption Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2117.	1.3	9
23	Sustainability and life cycle cost analysis of biomass pyrolysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1117, 012016.	0.3	0
24	Analysis of environmental impacts and energy derivation potential of biomass pyrolysis via Piper diagram. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 154, 104995.	2.6	8
25	N-doping enabled defect-engineering of MoS ₂ for enhanced and selective adsorption of CO ₂ : A DFT approach. <i>Applied Surface Science</i> , 2021, 542, 148556.	3.1	37
26	The COVID-19 Vaccines: Recent Development, Challenges and Prospects. <i>Vaccines</i> , 2021, 9, 349.	2.1	60
27	An advanced ash fusion study on the melting behaviour of coal, oil shale and blends under gasification conditions using picture analysis and graphing method. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 393-407.	1.7	6
28	Recent progress of organic photovoltaics for indoor energy harvesting. <i>Nano Energy</i> , 2021, 82, 105770.	8.2	128
29	Understanding the Effect of Sequential Deposition Processing for High-Efficient Organic Photovoltaics to Harvest Sunlight and Artificial Light. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20405-20416.	4.0	19
30	Recent Advances in Transition Metal Nitride-Based Materials for Photocatalytic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2100553.	7.8	80
31	Novel two-stage fluidized bed-plasma gasification integrated with SOFC and chemical looping combustion for the high efficiency power generation from MSW: A thermodynamic investigation. <i>Energy Conversion and Management</i> , 2021, 236, 114066.	4.4	36
32	Visible-light-driven CO ₂ reduction to ethylene on CdS: Enabled by structural relaxation-induced intermediate dimerization and enhanced by ZIF-8 coating. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119834.	10.8	71
33	Synthesis of graphene oxide and graphene quantum dots from miscanthus via ultrasound-assisted mechano-chemical cracking method. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105519.	3.8	55
34	An Apparent Gas Permeability Model for Real Gas Flow in Fractured Porous Media with Roughened Surfaces. <i>Polymers</i> , 2021, 13, 1937.	2.0	1
35	Miscanthus as a carbon precursor for graphene oxide: A possibility influenced by pyrolysis temperature. <i>Bioresource Technology</i> , 2021, 331, 124934.	4.8	14
36	The integration of hydrogenation and carbon capture utilisation and storage technology: A potential low-carbon approach to chemical synthesis in China. <i>International Journal of Energy Research</i> , 2021, 45, 19789-19818.	2.2	14

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37	Application of Machine Learning in Industrial Boilers: Fault Detection, Diagnosis, and Prognosis. <i>ChemBioEng Reviews</i> , 2021, 8, 535-544.	2.6	7
38	Stabilized CO ₂ reforming of CH ₄ on modified Ni/Al ₂ O ₃ catalysts via in-situ K ₂ CO ₃ -enabled dynamic coke elimination reaction. <i>Fuel</i> , 2021, 298, 120599.	3.4	19
39	Low-crystalline transition metal oxide/hydroxide on MWCNT by Fenton-reaction-inspired green synthesis for lithium ion battery and OER electrocatalysis. <i>Electrochimica Acta</i> , 2021, 387, 138559.	2.6	19
40	Application of supercritical fluid in the synthesis of graphene materials: a review. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	5
41	Cu-ZrO ₂ catalysts with highly dispersed Cu nanoclusters derived from ZrO ₂ @ HKUST-1 composites for the enhanced CO ₂ hydrogenation to methanol. <i>Chemical Engineering Journal</i> , 2021, 419, 129656.	6.6	34
42	Catalytic pyrolysis of linear low-density polyethylene using recycled coal ash: Kinetic study and environmental evaluation. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2235-2246.	1.2	22
43	Distribution and modes of occurrence of heavy metals in opposed multi-burner coal-water-slurry gasification plants. <i>Fuel</i> , 2021, 303, 121163.	3.4	22
44	DFT simulation-based screening of single transition metals supported on g-C ₃ N ₄ for the catalytic oxidation of Hg ₀ . <i>Fuel</i> , 2021, 305, 121456.	3.4	8
45	Theoretical insights of catalytic oxidation of Hg ₀ on g-C ₃ N ₄ -supported Fe/Co/Ni-based bi-metallic catalysts using O ₂ in coal-fired flue gas as the oxidant. <i>Fuel</i> , 2021, 306, 121593.	3.4	13
46	Modelling of effects of water vapor and temperature gradient on moisture and gas transfer in unsaturated landfill cover. <i>Japanese Geotechnical Society Special Publication</i> , 2021, 9, 380-386.	0.2	1
47	Insights into the Role of Graphene/Graphene-hybrid Nanocomposites in Antiviral Therapy. <i>ChemBioEng Reviews</i> , 2021, 8, 549.	2.6	1
48	MoO ₃ -adjusted γ -MnO ₂ nanosheet for catalytic oxidation of Hg ₀ to Hg ²⁺ . <i>Applied Catalysis B: Environmental</i> , 2020, 263, 117829.	10.8	59
49	Efficiency enhancement of organic solar cells enabled by interface engineering of sol-gel zinc oxide with an oxadiazole-based material. <i>Organic Electronics</i> , 2020, 76, 105483.	1.4	20
50	Catalytic Conversion of Methane at Low Temperatures: A Critical Review. <i>Energy Technology</i> , 2020, 8, 1900750.	1.8	36
51	Automated image analysis techniques to characterise pulverised coal particles and predict combustion char morphology. <i>Fuel</i> , 2020, 259, 116022.	3.4	14
52	Catalytic oxidation of Hg ₀ with O ₂ induced by synergistic coupling of CeO ₂ and MoO ₃ . <i>Journal of Hazardous Materials</i> , 2020, 381, 121037.	6.5	16
53	Kinetic study of the pyrolysis of microalgae under nitrogen and CO ₂ atmosphere. <i>Renewable Energy</i> , 2020, 145, 2159-2168.	4.3	32
54	A simple and rapid in situ method for measuring landfill gas emissions and methane oxidation rates in landfill covers. <i>Waste Management and Research</i> , 2020, 38, 588-593.	2.2	9

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55	Dantzig-Wolfe decomposition for the facility location and production planning problem. <i>Computers and Operations Research</i> , 2020, 124, 105068.	2.4	9
56	Kinetic and thermodynamic investigations of CO ₂ gasification of coal chars prepared via conventional and microwave pyrolysis. <i>International Journal of Coal Science and Technology</i> , 2020, 7, 422-432.	2.7	14
57	Layer-by-layer epitaxial growth of monoclinic SrIrO ₃ thin films on (111)-oriented SrTiO ₃ through interface engineering. <i>Thin Solid Films</i> , 2020, 709, 138119.	0.8	2
58	Synthesis and functionalization of cauliflower-like mesoporous siliceous foam materials from oil shale waste for post-combustion carbon capture. <i>Journal of CO₂ Utilization</i> , 2020, 40, 101199.	3.3	6
59	Mechanistic and Experimental Study of the Formation of MoS ₂ /HKUST-1 Core-Shell Composites on MoS ₂ Quantum Dots with an Enhanced CO ₂ Adsorption Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5808-5817.	1.8	12
60	Microwave-assisted biomass pyrolysis polygeneration process using a scaled-up reactor: Product characterization, thermodynamic assessment and bio-hydrogen production. <i>Biomass and Bioenergy</i> , 2020, 139, 105651.	2.9	24
61	Machine learning-driven algorithms for the container relocation problem. <i>Transportation Research Part B: Methodological</i> , 2020, 139, 102-131.	2.8	40
62	Production of H ₂ -Rich Syngas From Lignocellulosic Biomass Using Microwave-Assisted Pyrolysis Coupled With Activated Carbon Enabled Reforming. <i>Frontiers in Chemistry</i> , 2020, 8, 3.	1.8	36
63	Foldable Semitransparent Organic Solar Cells for Photovoltaic and Photosynthesis. <i>Advanced Energy Materials</i> , 2020, 10, 2000136.	10.2	120
64	Investigation on breakage behaviour of oil shale with high grinding resistance: A comparison between microwave and conventional thermal processing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 151, 107909.	1.8	8
65	Full-scale experimental study of methane emission in a loess-gravel capillary barrier cover under different seasons. <i>Waste Management</i> , 2020, 107, 54-65.	3.7	21
66	Siliceous foam material and its application in post-combustion carbon capture for NGCC plants: effects of aging conditions. <i>E3S Web of Conferences</i> , 2020, 158, 03004.	0.2	0
67	Closing the active carbon cycle: Regeneration of spent activated carbon from a wastewater treatment facility for resource optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 150, 107878.	1.8	16
68	In-situ monitoring of the transformation of ash upon heating and the prediction of ash fusion behaviour of coal/biomass blends. <i>Energy</i> , 2020, 199, 117330.	4.5	40
69	The First 75 Days of Novel Coronavirus (SARS-CoV-2) Outbreak: Recent Advances, Prevention, and Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2323.	1.2	178
70	A study on soft x-ray spectra from pulsed 1 μ m Nd:YAG laser-induced ytterbium plasmas. <i>Plasma Science and Technology</i> , 2020, 22, 105503.	0.7	4
71	Comparative Study of the Gasification of Coal and Its Macerals and Prediction of the Synergistic Effects Under Typical Entrained-Bed Pulverized Coal Gasification Conditions. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	4
72	Synthesis of graphene: Potential carbon precursors and approaches. <i>Nanotechnology Reviews</i> , 2020, 9, 1284-1314.	2.6	72

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73	Investigation of extreme ultraviolet spectra from highly charged holmium ions in 1 μ m laser-produced plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 225701.	0.6	4
74	Nanocomposite electret with surface potential self-recovery from water dipping for environmentally stable energy harvesting. <i>Nano Energy</i> , 2019, 64, 103913.	8.2	27
75	Development of Pd/g-C ₃ N ₄ adsorbent for Hg ⁰ removal – DFT study of influences of the support and Pd cluster size. <i>Fuel</i> , 2019, 254, 115537.	3.4	32
76	Investigation on Co-Modified Ni x Mg y O Solid Solutions for Hydrogen Production from Steam Reforming of Acetic Acid and a Model Blend. <i>ChemistrySelect</i> , 2019, 4, 9829-9835.	0.7	4
77	Structural Predictability Optimization Against Inference Attacks in Data Publishing. <i>IEEE Access</i> , 2019, 7, 92119-92136.	2.6	6
78	A Branch-and-Price Algorithm for the Integrated Berth Allocation and Quay Crane Assignment Problem. <i>Transportation Science</i> , 2019, 53, 1427-1454.	2.6	21
79	A perspective on the applications of energy-cyber-physical systems (e-CPSs) in ultra-low emission coal-fired power plants. <i>Energy Procedia</i> , 2019, 158, 6139-6144.	1.8	6
80	The Kinetics Studies and Thermal Characterisation of Biomass. <i>Energy Procedia</i> , 2019, 158, 357-363.	1.8	3
81	Biomass constituents™ interactions with coal during co-firing. <i>Energy Procedia</i> , 2019, 158, 1640-1645.	1.8	9
82	CO ₂ gasification and pyrolysis reactivity evaluation of oil shale. <i>Energy Procedia</i> , 2019, 158, 1694-1699.	1.8	14
83	Effects of Microwave-enhanced Pretreatment on Oil Shale Milling Performance. <i>Energy Procedia</i> , 2019, 158, 1712-1717.	1.8	9
84	CeO ₂ based catalysts for elemental mercury capture. <i>Energy Procedia</i> , 2019, 158, 4635-4640.	1.8	2
85	Improvement of fuel sources and energy products flexibility in coal power plants via energy-cyber-physical-systems approach. <i>Applied Energy</i> , 2019, 254, 113554.	5.1	21
86	Integration of machine learning approaches for accelerated discovery of transition-metal dichalcogenides as Hg ⁰ sensing materials. <i>Applied Energy</i> , 2019, 254, 113651.	5.1	21
87	Exergetic, economic and carbon emission studies of bio-olefin production via indirect steam gasification process. <i>Energy</i> , 2019, 187, 115933.	4.5	19
88	Mechanism of Hg ⁰ and O ₂ Interaction on the IrO ₂ (110) Surface: A Density Functional Theory Study. <i>Energy & Fuels</i> , 2019, 33, 1354-1362.	2.5	16
89	Utilization of CO ₂ in renewable DME fuel production: A life cycle analysis (LCA)-based case study in China. <i>Fuel</i> , 2019, 254, 115627.	3.4	27
90	Ignition and Kinetic Studies: The Influence of Lignin on Biomass Combustion. <i>Energy & Fuels</i> , 2019, 33, 6463-6472.	2.5	34

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91	Highly efficient steam reforming of ethanol (SRE) over CeO _x grown on the nano Ni _x Mg _y O matrix: H ₂ production under a high GHSV condition. International Journal of Energy Research, 2019, 43, 3823-3836.	2.2	12
92	The impact of ash pellet characteristics and pellet processing parameters on ash fusion behaviour. Fuel, 2019, 251, 779-788.	3.4	30
93	Investigation on the interactions among lignocellulosic constituents and minerals of biomass and their influences on co-firing. Energy, 2019, 179, 129-137.	4.5	21
94	Nanocarbon-based catalysts for esterification: Effect of carbon dimensionality and synergistic effect of the surface functional groups. Carbon, 2019, 147, 134-145.	5.4	19
95	Biomass-Derived Materials for Electrochemical Energy Storage and Conversion: Overview and Perspectives. Energy and Environmental Materials, 2019, 2, 55-67.	7.3	101
96	Environmentally persistent free radicals in PM _{2.5} : a review. Waste Disposal & Sustainable Energy, 2019, 1, 177-197.	1.1	26
97	Conventional and microwave-assisted pyrolysis of gumwood: A comparison study using thermodynamic evaluation and hydrogen production. Fuel Processing Technology, 2019, 184, 1-11.	3.7	82
98	A Review of Sludge-to-Energy Recovery Methods. Energies, 2019, 12, 60.	1.6	174
99	A comparative study of mechanisms of the adsorption of CO ₂ confined within graphene-MoS ₂ nanosheets: a DFT trend study. Nanoscale Advances, 2019, 1, 1442-1451.	2.2	22
100	Promotion effect and mechanism of the addition of Mo on the enhanced low temperature SCR of NO _x by NH ₃ over MnO _x /β-Al ₂ O ₃ catalysts. Applied Catalysis B: Environmental, 2019, 245, 743-752.	10.8	113
101	Structural defects in 2D MoS ₂ nanosheets and their roles in the adsorption of airborne elemental mercury. Journal of Hazardous Materials, 2019, 366, 240-249.	6.5	107
102	Gasification reactivity and synergistic effect of conventional and microwave pyrolysis derived algae chars in CO ₂ atmosphere. Journal of the Energy Institute, 2019, 92, 730-740.	2.7	35
103	Analytics Branching and Selection for the Capacitated Multi-Item Lot Sizing Problem with Nonidentical Machines. INFORMS Journal on Computing, 2018, 30, 236-258.	1.0	18
104	Bio-DME production based on conventional and CO ₂ -enhanced gasification of biomass: A comparative study on exergy and environmental impacts. Biomass and Bioenergy, 2018, 110, 105-113.	2.9	37
105	Integrated Dynamic and Steady State Method and Its Application on the Screening of MoS ₂ Nanosheet-Containing Adsorbents for Hg ⁰ Capture. Energy & Fuels, 2018, 32, 5338-5344.	2.5	29
106	Density functional theory study of the adsorption of elemental mercury on a 1T-MoS ₂ monolayer. Journal of Zhejiang University: Science A, 2018, 19, 60-67.	1.3	10
107	Catalytic and non-catalytic synergistic effects and their individual contributions to improved combustion performance of coal/biomass blends. Applied Energy, 2018, 211, 334-345.	5.1	30
108	Tuning dry reforming of methane for F-T syntheses: A thermodynamic approach. Applied Energy, 2018, 227, 190-197.	5.1	56

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109	Adopting Big Data to Accelerate Discovery of 2D TMDCs Materials via CVR Method for the Potential Application in Urban Airborne Hg ₀ Sensor. <i>Energy Procedia</i> , 2018, 152, 847-852.	1.8	3
110	Influence of lignocellulose and plant cell walls on biomass char morphology and combustion reactivity. <i>Biomass and Bioenergy</i> , 2018, 119, 480-491.	2.9	30
111	High efficiency synthesis of HKUST-1 under mild conditions with high BET surface area and CO ₂ uptake capacity. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 584-589.	1.8	82
112	Optimized synthesis of nano-scale high quality HKUST-1 under mild conditions and its application in CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 249-257.	2.2	59
113	Power iteration ranking via hybrid diffusion for vital nodes identification. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 802-815.	1.2	6
114	A proposed biomass char classification system. <i>Fuel</i> , 2018, 232, 845-854.	3.4	31
115	Highly Robust, Transparent, and Breathable Epidermal Electrode. <i>ACS Nano</i> , 2018, 12, 9326-9332.	7.3	153
116	The green capacitated multi-item lot sizing problem with parallel machines. <i>Computers and Operations Research</i> , 2018, 98, 149-164.	2.4	17
117	Characteristics and interactions between coal and carbonaceous wastes during co-combustion. <i>Journal of the Energy Institute</i> , 2017, 90, 12-20.	2.7	20
118	Enhancing the Reactivity of Petroleum Coke in CO ₂ via Co-Processing with Selected Carbonaceous Materials. <i>Energy & Fuels</i> , 2017, 31, 1555-1563.	2.5	15
119	Microwave-enhanced pyrolysis of macroalgae and microalgae for syngas production. <i>Bioresource Technology</i> , 2017, 237, 47-56.	4.8	129
120	MIP models and a hybrid method for the capacitated air-cargo network planning and scheduling problems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 103, 158-173.	3.7	13
121	Hg ₀ Capture over MoS ₂ Nanosheets Containing Adsorbent: Effects of Temperature, Space Velocity, and Other Gas Species. <i>Energy Procedia</i> , 2017, 105, 4408-4413.	1.8	6
122	Large eddy simulation and Reynolds-averaged Navier–Stokes based modelling of geometrically induced swirl flows applied for the better understanding of Clean-In-Place procedures. <i>Food and Bioprocess Processing</i> , 2017, 104, 77-93.	1.8	11
123	Influence of acid and alkali pre-treatments on thermal degradation behaviour of polyisocyanurate foam and its carbon morphology. <i>Polymer Degradation and Stability</i> , 2017, 141, 104-118.	2.7	5
124	Microwave-induced activation of additional active edge sites on the MoS ₂ surface for enhanced Hg ₀ capture. <i>Applied Surface Science</i> , 2017, 420, 439-445.	3.1	25
125	Characterization of Insulation Performance, Poststability, and Foaming Process of Rigid Polyurethane Sandwich Panel for Cold Storage Warehouse. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, 04017138.	1.3	5
126	Graphene-like MoS ₂ containing adsorbents for Hg ₀ capture at coal-fired power plants. <i>Applied Energy</i> , 2017, 207, 254-264.	5.1	64

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127	Enhanced collective influence: A paradigm to optimize network disruption. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 472, 43-52.	1.2	6
128	A novel index for the study of synergistic effects during the co-processing of coal and biomass. <i>Applied Energy</i> , 2017, 188, 215-225.	5.1	80
129	Highly Efficient Sulfonic/Carboxylic Dual- Acid Synergistic Catalysis for Esterification Enabled by Sulfur-Rich Graphene Oxide. <i>ChemSusChem</i> , 2017, 10, 3352-3357.	3.6	21
130	Thermodynamic Equilibrium Analysis of CO_2 Reforming of Methane: Elimination of Carbon Deposition and Adjustment of H_2/CO Ratio. <i>Energy Procedia</i> , 2017, 105, 1864-1869.	1.8	31
131	Field measurements of water storage capacity in a loess "gravel capillary barrier cover using rainfall simulation tests. <i>Canadian Geotechnical Journal</i> , 2017, 54, 1523-1536.	1.4	35
132	Predicting the evolution of complex networks via similarity dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 465, 662-672.	1.2	13
133	Microwave-assisted pyrolysis of bamboo coupled with reforming by activated carbon for the production of hydrogen-rich syngas. <i>Energy Procedia</i> , 2017, 142, 1640-1646.	1.8	20
134	Geometric modeling of Plateau borders using the orthographic projection method for closed cell rigid polyurethane foam thermal conductivity prediction. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2017, 25, 065021.	0.8	0
135	Recovery of Elemental Mercury from Coal-derived Flue Gas using a MoS_2 -based Material. <i>Energy Procedia</i> , 2017, 142, 3584-3589.	1.8	3
136	Generalization and Modelling of Rigid Polyisocyanurate Foam Reaction Kinetics, Structural Units Effect, and Cell Configuration Mechanism. <i>Frontiers in Forests and Global Change</i> , 2017, 36, 285-312.	0.6	1
137	Microstructure Measurement and Microgeometric Packing Characterization of Rigid Polyurethane Foam Defects. <i>Frontiers in Forests and Global Change</i> , 2017, 36, 183-204.	0.6	7
138	Local Cuts and Two-Period Convex Hull Closures for Big-Bucket Lot-Sizing Problems. <i>INFORMS Journal on Computing</i> , 2016, 28, 766-780.	1.0	25
139	Esterification of fatty acids from waste cooking oil to biodiesel over a sulfonated resin/PVA composite. <i>Catalysis Science and Technology</i> , 2016, 6, 5590-5598.	2.1	15
140	Hg^0 -temperature-programmed surface reaction and its application on the investigation of metal oxides for Hg^0 capture. <i>Fuel</i> , 2016, 181, 1089-1094.	3.4	30
141	Effect of the addition of different waste carbonaceous materials on coal gasification in CO_2 atmosphere. <i>Fuel Processing Technology</i> , 2016, 149, 231-238.	3.7	26
142	Influence of minerals on the thermal processing of bamboo with a suite of carbonaceous materials. <i>Fuel</i> , 2016, 180, 256-262.	3.4	25
143	Development of nano $\text{Ni}_x\text{Mg}_y\text{O}$ solid solutions with outstanding anti-carbon deposition capability for the steam reforming of methanol. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 84-97.	10.8	59
144	Evolution prediction of multi-scale information diffusion dynamics. <i>Knowledge-Based Systems</i> , 2016, 113, 186-198.	4.0	15

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145	Magnetic nanoparticle (MNP)-supported 9-amino(9-deoxy)epi-quinidine organocatalyst for the asymmetric α -amination of aldehydes. RSC Advances, 2016, 6, 77396-77405.	1.7	6
146	Recycling oriented vertical vibratory separation of copper and polypropylene particles. Powder Technology, 2016, 301, 694-700.	2.1	16
147	A phosphotungstic acid-supported multifunctional organocatalyst containing 9-amino(9-deoxy)epi-cinchonidine and Brønsted acid and its application in asymmetric aldol reaction. RSC Advances, 2016, 6, 55894-55902.	1.7	21
148	Synthesis of Bio-Dimethyl Ether Based on Carbon Dioxide-Enhanced Gasification of Biomass: Process Simulation Using Aspen Plus. Energy Technology, 2016, 4, 526-535.	1.8	14
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