

Tengfei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,616
citations

218677

26
h-index

138484

58
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67
all docs

67
docs citations

67
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of an instrumented geosynthetic-reinforced piled embankment with a triangular pile configuration. <i>International Journal of Rail Transportation</i> , 2023, 11, 69-91.	2.7	10
2	Phosphorus pollution control using waste-based adsorbents: Material synthesis, modification, and sustainability. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2023-2059.	12.8	16
3	Towards sustainable coal industry: Turning coal bottom ash into wealth. <i>Science of the Total Environment</i> , 2022, 804, 149985.	8.0	75
4	Determination of organophosphate flame retardant tris(2-chloroethyl)phosphine based on the luminol-H ₂ O ₂ chemiluminescence system. <i>Luminescence</i> , 2022, 37, 263-267.	2.9	8
5	Fluorescence immunoassay rapid detection of 2019-nCoV antibody based on the fluorescence resonance energy transfer between graphene quantum dots and Ag@Au nanoparticle. <i>Microchemical Journal</i> , 2022, 173, 107046.	4.5	10
6	Glycyrrhizic Acid against <i>Mycoplasma gallisepticum</i> -Induced Inflammation and Apoptosis Through Suppressing the MAPK Pathway in Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1996-2009.	5.2	18
7	Load transfer and performance evaluation of piled beam-supported embankments. <i>Acta Geotechnica</i> , 2022, 17, 4145-4171.	5.7	14
8	Andrographolide attenuates <i>Mycoplasma gallisepticum</i> -induced inflammation and apoptosis by the JAK/PI3K/AKT signal pathway in the chicken lungs and primary alveolar type II epithelial cells. <i>International Immunopharmacology</i> , 2022, 109, 108819.	3.8	12
9	Evaluation of Glycyrrhizic Acid Therapeutic Effect and Safety in <i>Mycoplasma gallisepticum</i> (HS) Tj ETQq1 1 0.784314.rgBT /Overlock I	2.3	3
10	Micro Morphology of Soot Particles Sampled from High Pressure Jet Flames of Diesel from Direct Coal Liquefaction. <i>Journal of Thermal Science</i> , 2022, 31, 2155-2170.	1.9	1
11	Persulfate assisted hydrothermal processing of spirulina for enhanced deoxidation carbonization. <i>Bioresource Technology</i> , 2021, 322, 124543.	9.6	20
12	Low temperature co-pyrolysis of food waste with PVC-derived char: Products distributions, char properties and mechanism of bio-oil upgrading. <i>Energy</i> , 2021, 219, 119670.	8.8	18
13	Biocrude Oil from Algal Bloom Microalgae: A Novel Integration of Biological and Thermochemical Techniques. <i>Environmental Science & Technology</i> , 2021, 55, 1973-1983.	10.0	20
14	A New Diterpenoid from <i>Isodon phyllostachys</i> . <i>Chemistry of Natural Compounds</i> , 2021, 57, 315-318.	0.8	0
15	Enhancing energy recovery via two stage co-fermentation of hydrothermal liquefaction aqueous phase and crude glycerol. <i>Energy Conversion and Management</i> , 2021, 231, 113855.	9.2	16
16	Biowaste hydrothermal carbonization for hydrochar valorization: Skeleton structure, conversion pathways and clean biofuel applications. <i>Bioresource Technology</i> , 2021, 324, 124686.	9.6	80
17	Study on three droplet sequential burning characteristics of coal direct liquefied diesel. <i>AIP Advances</i> , 2021, 11, 045034.	1.3	3
18	Calculation for Frost Jacking Resistance of Single Helical Steel Piles in Cohesive Soils. <i>Journal of Cold Regions Engineering - ASCE</i> , 2021, 35, .	1.1	5

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19	Development of a mobile, pilot scale hydrothermal liquefaction reactor: Food waste conversion product analysis and techno-economic assessment. <i>Energy Conversion and Management</i> , 2021, 10, 100076.	1.6	15
20	Ratiometric fluorescent probe for tetracycline detection based on waste printing paper. <i>Luminescence</i> , 2021, 36, 1553-1560.	2.9	5
21	A finite volume-based model for the hydrothermal behavior of soil under freeze-thaw cycles. <i>PLoS ONE</i> , 2021, 16, e0252680.	2.5	3
22	Recent advances of environmental pollutants detection via paper-based sensing strategy. <i>Luminescence</i> , 2021, 36, 1818-1836.	2.9	10
23	Towards transportation fuel production from food waste: Potential of biocrude oil distillates for gasoline, diesel, and jet fuel. <i>Fuel</i> , 2021, 301, 121028.	6.4	20
24	Nitrogen distribution and evolution during persulfate assisted hydrothermal carbonization of spirulina. <i>Bioresource Technology</i> , 2021, 342, 125980.	9.6	8
25	In-depth comparison of morphology, microstructure, and pathway of char derived from sewage sludge and relevant model compounds. <i>Waste Management</i> , 2020, 102, 432-440.	7.4	23
26	Bubble nucleation, micro-explosion and residue formation in superheated jatropha oil droplet: The phenomena of vapor plume and vapor cloud. <i>Fuel</i> , 2020, 261, 116431.	6.4	38
27	Valorization of hydrothermal liquefaction aqueous phase: pathways towards commercial viability. <i>Progress in Energy and Combustion Science</i> , 2020, 77, 100819.	31.2	204
28	Fe(II) activated persulfate assisted hydrothermal conversion of sewage sludge: Focusing on nitrogen transformation mechanism and removal effectiveness. <i>Chemosphere</i> , 2020, 244, 125473.	8.2	35
29	Co-hydrothermal carbonization of food waste-woody sawdust blend: Interaction effects on the hydrochar properties and nutrients characteristics. <i>Bioresource Technology</i> , 2020, 316, 123900.	9.6	45
30	Pelletizing of hydrochar biofuels with organic binders. <i>Fuel</i> , 2020, 280, 118659.	6.4	20
31	Spirulina hydrothermal carbonization: Effect on hydrochar properties and sulfur transformation. <i>Bioresource Technology</i> , 2020, 306, 123148.	9.6	36
32	Hydrothermal carbonization of sewage sludge: Effect of feed-water pH on hydrochar's physicochemical properties, organic component and thermal behavior. <i>Journal of Hazardous Materials</i> , 2020, 388, 122084.	12.4	82
33	Effect of temperature on the sulfur fate during hydrothermal carbonization of sewage sludge. <i>Environmental Pollution</i> , 2020, 260, 114067.	7.5	64
34	Breaking the Affinity Limit with Dual-Phase-Accessible Hotspot for Ultrahigh Raman Scattering of Nonadsorptive Molecules. <i>Analytical Chemistry</i> , 2020, 92, 6941-6948.	6.5	33
35	Ultrafine Re/Pd nanoparticles on polydopamine modified carbon nanotubes for efficient perchlorate reduction and reusability. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 122-130.	9.4	8
36	What is the influence of the nitrogen-containing composition during hydrothermal carbonization of biomass? A new perspective from mimic feedstock. <i>Bioresource Technology Reports</i> , 2019, 5, 343-350.	2.7	17

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37	Effect of molasses binder on the pelletization of food waste hydrochar for enhanced biofuel pellets production. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 14, 100183.	3.3	11
38	Production of methane from biomass glycerol through coupling of steam reforming and methanation on Ni-Mn/Al ₂ O ₃ . <i>Sustainable Chemistry and Pharmacy</i> , 2019, 13, 100150.	3.3	8
39	Physiological, biochemical and proteomic insight into integrated strategies of an endophytic bacterium <i>Burkholderia cenocepacia</i> strain YG-3 response to cadmium stress. <i>Metallomics</i> , 2019, 11, 1252-1264.	2.4	29
40	Speciation and transformation of nitrogen for spirulina hydrothermal carbonization. <i>Bioresource Technology</i> , 2019, 286, 121385.	9.6	58
41	Fabrication of bean dreg-derived carbon with high adsorption for methylene blue: Effect of hydrothermal pretreatment and pyrolysis process. <i>Bioresource Technology</i> , 2019, 274, 525-532.	9.6	54
42	A review of the hydrothermal carbonization of biomass waste for hydrochar formation: Process conditions, fundamentals, and physicochemical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 223-247.	16.4	803
43	A review on airborne microorganisms in particulate matters: Composition, characteristics and influence factors. <i>Environment International</i> , 2018, 113, 74-90.	10.0	187
44	Influence of temperature on nitrogen fate during hydrothermal carbonization of food waste. <i>Bioresource Technology</i> , 2018, 247, 182-189.	9.6	163
45	Flexible and conductive graphene-based fibers fabricated from pigment and TiO ₂ PU dual coatings as a colored insulative shell structure. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13261-13268.	5.5	8
46	Production of fuel pellets via hydrothermal carbonization of food waste using molasses as a binder. <i>Waste Management</i> , 2018, 77, 185-194.	7.4	71
47	Co-hydrothermal carbonization of food waste-woody biomass blend towards biofuel pellets production. <i>Bioresource Technology</i> , 2018, 267, 371-377.	9.6	88
48	Evaluation of the clean characteristics and combustion behavior of hydrochar derived from food waste towards solid biofuel production. <i>Bioresource Technology</i> , 2018, 266, 275-283.	9.6	87
49	Perchlorate catalysis reduction by benzalkonium chloride immobilized biomass carbon supported Re-Pd bimetallic cluster particle electrode. <i>Chemical Engineering Journal</i> , 2018, 348, 765-774.	12.7	13
50	Solid-state fermentation of <i>Moringa oleifera</i> leaf meal using <i>Bacillus pumilus</i> CICC 10440. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2083-2089.	3.2	11
51	Hydrothermal carbonisation of sewage sludge for char production with different waste biomass: Effects of reaction temperature and energy recycling. <i>Energy</i> , 2017, 127, 167-174.	8.8	131
52	Acetic Acid and Sodium Hydroxide-Aided Hydrothermal Carbonization of Woody Biomass for Enhanced Pelletization and Fuel Properties. <i>Energy & Fuels</i> , 2017, 31, 12200-12208.	5.1	61
53	Effect of sewage sludge hydrochar on soil properties and Cd immobilization in a contaminated soil. <i>Chemosphere</i> , 2017, 189, 627-633.	8.2	48
54	Feedwater pH affects phosphorus transformation during hydrothermal carbonization of sewage sludge. <i>Bioresource Technology</i> , 2017, 245, 182-187.	9.6	107

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55	Distribution and Conversion of Polycyclic Aromatic Hydrocarbons during the Hydrothermal Treatment of Sewage Sludge. <i>Energy & Fuels</i> , 2017, 31, 9542-9549.	5.1	14
56	Investigation of the structure and reaction pathway of char obtained from sewage sludge with biomass wastes, using hydrothermal treatment. <i>Journal of Cleaner Production</i> , 2017, 166, 114-123.	9.3	79
57	Oxidative Tea Polyphenols Greatly Inhibit the Absorption of Atenolol. <i>Frontiers in Pharmacology</i> , 2016, 7, 192.	3.5	3
58	Production of char from sewage sludge employing hydrothermal carbonization: Char properties, combustion behavior and thermal characteristics. <i>Fuel</i> , 2016, 176, 110-118.	6.4	306
59	Traffic-related heavy metals uptake by wild plants grow along two main highways in Hunan Province, China: effects of soil factors, accumulation ability, and biological indication potential. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13368-13377.	5.3	26
60	The adsorption mechanisms of ClO_4^- onto highly graphited and hydrophobic porous carbonaceous materials from biomass. <i>RSC Advances</i> , 2016, 6, 93975-93984.	3.6	7
61	Hydrothermal carbonization of sewage sludge: The effect of feed-water pH on fate and risk of heavy metals in hydrochars. <i>Bioresource Technology</i> , 2016, 218, 183-188.	9.6	128
62	Simultaneous total organic carbon and humic acid removals for landfill leachate using subcritical water catalytic oxidation based on response surface methodology. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	5
63	Source Apportionment Coupled with Gas/Particle Partitioning Theory and Risk Assessment of Polycyclic Aromatic Hydrocarbons Associated with Size-Segregated Airborne Particulate Matter. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	20
64	Nitrogen-doped porous carbon from <i>Camellia oleifera</i> shells with enhanced electrochemical performance. <i>Materials Science and Engineering C</i> , 2016, 61, 449-456.	7.3	27
65	An acid-stable bacterial laccase identified from the endophyte <i>Pantoea ananatis</i> Sd-1 genome exhibiting lignin degradation and dye decolorization abilities. <i>Biotechnology Letters</i> , 2015, 37, 2279-2288.	2.2	44
66	Cloning and expression of a trehalose synthase from <i>Pseudomonas putida</i> KT2440 for the scale-up production of trehalose from maltose. <i>Canadian Journal of Microbiology</i> , 2014, 60, 599-604.	1.7	16
67	Potential of removing Pb, Cd, and Cu from aqueous solutions using a novel modified ginkgo leaves biochar by simply one-step pyrolysis. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	8