

Fei Wang

List of Publications by Year in descending order

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49
papers

1,216
citations

430442

18
h-index

395343

33
g-index

49
all docs

49
docs citations

49
times ranked

1528
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on aromatics production via the catalytic pyrolysis vapor upgrading of biomass using metal-loaded modified H-ZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 169-179.	2.6	180
2	Nanoformulations to Enhance the Bioavailability and Physiological Functions of Polyphenols. <i>Molecules</i> , 2020, 25, 4613.	1.7	89
3	Electrochemical Oxidative Oxydihalogenation of Alkynes for the Synthesis of $\hat{1}\pm, \hat{1}\pm$ -Dihaloketones. <i>Organic Letters</i> , 2020, 22, 1169-1174.	2.4	64
4	Integrated catalytic conversion of waste triglycerides to liquid hydrocarbons for aviation biofuels. <i>Journal of Cleaner Production</i> , 2019, 222, 784-792.	4.6	61
5	Tumor-penetrating peptide functionalization enhances the anti-glioblastoma effect of doxorubicin liposomes. <i>Nanotechnology</i> , 2013, 24, 405101.	1.3	57
6	Two-Dimensional Metal Hexahydroxybenzene Frameworks as Promising Electrocatalysts for an Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7472-7479.	3.2	57
7	A biocompatible and pH-responsive nanohydrogel based on cellulose nanocrystal for enhanced toxic reactive oxygen species generation. <i>Carbohydrate Polymers</i> , 2021, 258, 117685.	5.1	43
8	Engineering <i>Escherichia coli</i> for production of geraniol by systematic synthetic biology approaches and laboratory-evolved fusion tags. <i>Metabolic Engineering</i> , 2021, 66, 60-67.	3.6	40
9	Reactive oxygen species mediated theranostics using a Fenton reaction activable lipo-polymerosome. <i>Journal of Materials Chemistry B</i> , 2019, 7, 314-323.	2.9	33
10	Mechanistic Insights into the Solvent-Driven Adsorptive Hydrodeoxygenation of Biomass Derived Levulinic Acid/Ester to 2-Methyltetrahydrofuran over Bimetallic Cu \hat{e} "Ni Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11477-11490.	3.2	33
11	Electrochemically Enabled Sulfonylation of Alkynes with Sodium Sulfinates. <i>Organic Letters</i> , 2020, 22, 6827-6831.	2.4	31
12	Producing BTX aromatics-enriched oil from biomass derived glycerol using dealuminated HZSM-5 by successive steaming and acid leaching as catalyst: Reactivity, acidity and product distribution. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 286-294.	2.2	28
13	Novel Paclitaxel-Loaded Nanoparticles Based on Human H Chain Ferritin for Tumor-Targeted Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6645-6654.	2.6	27
14	Proanthocyanidin Encapsulated in Ferritin Enhances Its Cellular Absorption and Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11498-11507.	2.4	26
15	Optimizing catalytic pyrolysis of rubber seed oil for light aromatics and anti-deactivation of ZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 180-187.	2.6	25
16	Metal-Free Cyclopropanol Ring-Opening C(sp ³) \hat{e} "C(sp ²) Cross-Couplings with Aryl Sulfoxides. <i>Organic Letters</i> , 2019, 21, 5600-5605.	2.4	25
17	Efficient Biosynthesis of <i>R</i> -(\hat{a} ¹)-Linalool through Adjusting the Expression Strategy and Increasing GPP Supply in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8381-8390.	2.4	23
18	Simple and efficient conversion of cellulose to $\hat{3}$ -valerolactone through an integrated alcoholysis/transfer hydrogenation system using Ru and aluminium sulfate catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 6252-6262.	2.1	21

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19	N-Aryl Pyrrole Synthesis from Biomass-Derived Furans and Arylamine over Lewis Acidic Hf-Doped Mesoporous SBA-15 Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12161-12167.	3.2	21
20	tLyP-1 Peptide Functionalized Human H Chain Ferritin for Targeted Delivery of Paclitaxel. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 789-802.	3.3	21
21	Dendritic Mesoporous Organosilica Nanoparticles: A pH-Triggered Autocatalytic Fenton Reaction System with Self-supplied H ₂ O ₂ for Generation of High Levels of Reactive Oxygen Species. <i>Langmuir</i> , 2020, 36, 5262-5270.	1.6	18
22	Synthetic Protein Scaffolds for Improving <i>R</i> -Linalool Production in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5663-5670.	2.4	18
23	ERK-Peptide-Inhibitor-Modified Ferritin Enhanced the Therapeutic Effects of Paclitaxel in Cancer Cells and Spheroids. <i>Molecular Pharmaceutics</i> , 2021, 18, 3365-3377.	2.3	17
24	Polyphenols isolated from <i>Acacia mearnsii</i> bark with anti-inflammatory and carbolytic enzyme inhibitory activities. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 816-824.	0.7	16
25	Catalytic Cracking of Inedible Oils for the Production of Drop-In Biofuels over a SO ₄ ²⁻ /TiO ₂ -ZrO ₂ Catalyst. <i>Energy & Fuels</i> , 2020, 34, 14204-14214.	2.5	16
26	Modulating Heterologous Pathways and Optimizing Culture Conditions for Biosynthesis of trans-10, cis-12 Conjugated Linoleic Acid in <i>Yarrowia lipolytica</i> . <i>Molecules</i> , 2019, 24, 1753.	1.7	15
27	Mutagenesis study to disrupt electrostatic interactions on the twofold symmetry interface of <i>Escherichia coli</i> bacterioferritin. <i>Journal of Biochemistry</i> , 2015, 158, mvv065.	0.9	14
28	Hafnium-Doped Mesoporous Silica as Efficient Lewis Acidic Catalyst for Friedel-Crafts Alkylation Reactions. <i>Nanomaterials</i> , 2019, 9, 1128.	1.9	14
29	Analytical Profiling of Proanthocyanidins from <i>Acacia mearnsii</i> Bark and In Vitro Assessment of Antioxidant and Antidiabetic Potential. <i>Molecules</i> , 2018, 23, 2891.	1.7	13
30	Synthesis of Spiroisoxazolines via an Oximation/De aromatization Cascade under Air. <i>Organic Letters</i> , 2020, 22, 4429-4434.	2.4	13
31	Tumor-Penetrating Peptide-Functionalized Ferritin Enhances Antitumor Activity of Paclitaxel. <i>ACS Applied Bio Materials</i> , 2021, 4, 2654-2663.	2.3	13
32	Green Synthesis of Conjugated Linoleic Acids from Plant Oils Using a Novel Synergistic Catalytic System. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5322-5329.	2.4	12
33	http://www.w3.org/1998/Math/MathML id="M2" $\hat{\pm}$ Amylase and $\hat{\pm}$ Glucosidase Inhibitory Activities of Phenolic Extracts from <i>Eucalyptus grandis</i> $\hat{\pm}$ <i>E. urophylla</i> Bark. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	0.9	12
34	Effects of In Vitro Digestion on the Content and Biological Activity of Polyphenols from <i>Acacia mearnsii</i> Bark. <i>Molecules</i> , 2018, 23, 1804.	1.7	12
35	Characterisation and biological activities of proanthocyanidins from the barks of <i>Pinus massoniana</i> and <i>Acacia mearnsii</i> . <i>Natural Product Research</i> , 2010, 24, 590-598.	1.0	11
36	Designability of Aromatic Interaction Networks at <i>E. coli</i> Bacterioferritin B-Type Channels. <i>Molecules</i> , 2017, 22, 2184.	1.7	11

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37	Extraction, Purification, and Biological Activities of Polysaccharides from Branches and Leaves of <i>Taxus cuspidata</i> S. et Z.. <i>Molecules</i> , 2019, 24, 2926.	1.7	10
38	Phytochemical Characterization and Anti-inflammatory Properties of <i>Acacia mearnsii</i> Leaves. <i>Natural Product Communications</i> , 2016, 11, 649-53.	0.2	10
39	Chitosan binding to a novel alfalfa phytoferritin nanocage loaded with baicalein: Simulated digestion and absorption evaluation. <i>Food Chemistry</i> , 2022, 386, 132716.	4.2	10
40	Catalytic Pyrolysis of Nonedible Oils for the Production of Renewable Aromatics Using Metal-Modified HZSM-5 Catalysts. <i>ACS Omega</i> , 2022, 7, 18953-18968.	1.6	9
41	Sesquiterpene Synthase Engineering and Targeted Engineering of $\hat{\pm}$ -Santalene Overproduction in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5377-5385.	2.4	8
42	Synthesis of Spiroisoxazolines via TEMPO/NaNO ₂ -Catalyzed Aerobic Oxidative Dearomatization. <i>Organic Letters</i> , 2020, 22, 6847-6851.	2.4	7
43	Genetic and Bioprocess Engineering for the Selective and High-Level Production of Geranyl Acetate in <i>Escherichia coli</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2881-2889.	3.2	6
44	Sulfoxide Reduction/C(sp ³) $\hat{\leftrightarrow}$ S Metathesis Cascade in Ionic Liquid. <i>Organic Letters</i> , 2020, 22, 5701-5705.	2.4	5
45	Engineering <i>Escherichia coli</i> for effective and economic production of cis-abienol by optimizing isopentenol utilization pathway. <i>Journal of Cleaner Production</i> , 2022, 351, 131310.	4.6	5
46	Catalytic Cracking of Fatty Acid Methyl Esters for the Production of Green Aromatics Using Zn-Modified HZSM-5 Catalysts. <i>Energy & Fuels</i> , 2022, 36, 6922-6938.	2.5	5
47	Combined bioderivatization and engineering approach to improve the efficiency of geraniol production. <i>Green Chemistry</i> , 2022, 24, 864-876.	4.6	4
48	Improved stability and pharmacokinetics of wogonin through loading into PASylated ferritin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112515.	2.5	4
49	Peptide-Mediated Immobilization on Magnetoferritin for Enzyme Recycling. <i>Nanomaterials</i> , 2019, 9, 1558.	1.9	3