

Hongfei Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

2,885
citations

29
h-index

52
g-index

107
ext. papers

3,414
ext. citations

6.6
avg, IF

5.44
L-index

#	Paper	IF	Citations
97	A multi-view network for real-time emotion recognition in conversations. <i>Knowledge-Based Systems</i> , 2022 , 236, 107751	7.3	4
96	Dual constraints and adversarial learning for fair recommenders. <i>Knowledge-Based Systems</i> , 2022 , 239, 108058	7.3	1
95	Heterogeneous information network embedding based on multiperspective metapath for question routing. <i>Knowledge-Based Systems</i> , 2022 , 240, 107842	7.3	0
94	Spider Taylor-ChOA: Optimized Deep Learning Based Sentiment Classification for Review Rating Prediction. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3211	2.6	0
93	Taylor-ChOA: Taylor-Chimp Optimized Random Multimodal Deep Learning-Based Sentiment Classification Model for Course Recommendation. <i>Mathematics</i> , 2022 , 10, 1354	2.3	1
92	Lexicon Knowledge Boosted Interaction Graph Network for Adverse Drug Reaction Recognition From Social Media. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 2777-2786	7.2	5
91	Heterogeneous Catalysis on Liquid Organic Hydrogen Carriers. <i>Topics in Catalysis</i> , 2021 , 64, 481-508	2.3	4
90	Hyperspectral image classification with discriminative manifold broad learning system. <i>Neurocomputing</i> , 2021 , 442, 236-248	5.4	1
89	Multifeature Fusion Attention Network for Suicide Risk Assessment Based on Social Media: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2021 , 9, e28227	3.6	1
88	Depression Detection on Reddit With an Emotion-Based Attention Network: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2021 , 9, e28754	3.6	2
87	Catalytic hydrodeoxygenation of waste cooking oil and stearic acid over reduced nickel-based catalysts. <i>Catalysis Communications</i> , 2021 , 149, 106235	3.2	4
86	Deconstruction of high-density polyethylene into liquid hydrocarbon fuels and lubricants by hydrogenolysis over Ru catalyst. <i>Chem Catalysis</i> , 2021 , 1, 437-455		22
85	Improving Human Happiness Analysis Based on Transfer Learning: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2021 , 9, e28292	3.6	
84	Synergistic interaction between Cu and ZrO ₂ promotes ethyl formate hydrogenation to produce methanol. <i>Catalysis Today</i> , 2021 , 374, 53-60	5.3	3
83	SC-Political ResNet: Hashtag Recommendation from Tweets Using Hybrid Optimization-Based Deep Residual Network. <i>Information (Switzerland)</i> , 2021 , 12, 389	2.6	0
82	One-pot production of jet fuels from fatty acids and vegetable oils in biphasic tandem catalytic process. <i>Fuel</i> , 2021 , 302, 121060	7.1	2
81	Beyond biodegradation: Chemical upcycling of poly(lactic acid) plastic waste to methyl lactate catalyzed by quaternary ammonium fluoride. <i>Journal of Catalysis</i> , 2021 , 402, 61-71	7.3	2

80	DocR-BERT: Document-level R-BERT for Chemical-induced Disease Relation Extraction via Gaussian Probability Distribution. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	2
79	CO Reduction to Methanol in the Liquid Phase: A Review. <i>ChemSusChem</i> , 2020 , 13, 6141-6159	8.3	22
78	An Effective Emotional Expression and Knowledge-Enhanced Method for Detecting Adverse Drug Reactions. <i>IEEE Access</i> , 2020 , 8, 87083-87093	3.5	4
77	Impact of nitrogen species and content on the catalytic activity to C-O bond cleavage of lignin over N-doped carbon supported Ru-based catalyst. <i>Fuel</i> , 2020 , 278, 118324	7.1	11
76	Eliminating carbon dioxide emissions at the source by the integration of carbon dioxide capture and utilization over noble metals in the liquid phase. <i>Journal of Catalysis</i> , 2020 , 389, 247-258	7.3	8
75	Phonetics and Ambiguity Comprehension Gated Attention Network for Humor Recognition. <i>Complexity</i> , 2020 , 2020, 1-9	1.6	2
74	A Multi-Dimension Question Answering Network for Sarcasm Detection. <i>IEEE Access</i> , 2020 , 8, 135152-135161	3.6	4
73	Facile biphasic catalytic process for conversion of monoterpenoids to tricyclic hydrocarbon biofuels. <i>Journal of Energy Chemistry</i> , 2020 , 49, 42-50	12	5
72	Sentiment Analysis With Comparison Enhanced Deep Neural Network. <i>IEEE Access</i> , 2020 , 8, 78378-78384	3.5	12
71	Interactive Self-Attentive Siamese Network for Biomedical Sentence Similarity. <i>IEEE Access</i> , 2020 , 8, 84093-84104	3.5	10
70	A Shortcut Route to Close Nitrogen Cycle: Bio-Based Amines Production via Selective Deoxygenation of Chitin Monomers over Ru/C in Acidic Solutions. <i>IScience</i> , 2020 , 23, 101096	6.1	11
69	Document-Level Biomedical Relation Extraction Using Graph Convolutional Network and Multihead Attention: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2020 , 8, e17638	3.6	5
68	A Graph Convolutional Network-Based Method for Chemical-Protein Interaction Extraction: Algorithm Development. <i>JMIR Medical Informatics</i> , 2020 , 8, e17643	3.6	1
67	Highly Efficient Production of 5-Hydroxymethylfurfural from Fructose via a Bromine-Functionalized Porous Catalyst under Mild Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 14569-14577	3.9	7
66	Mechanistic Insight into Selective Deoxygenation of L-Lysine to Produce Biobased Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11805-11817	8.3	9
65	Multi-Element Hierarchical Attention Capsule Network for Stock Prediction. <i>IEEE Access</i> , 2020 , 8, 143114-143123	3.5	13
64	One-pot conversion of carbohydrates into furan derivatives in biphasic tandem catalytic process. <i>Catalysis Today</i> , 2020 , 339, 296-304	5.3	9
63	In Situ Preparation of Ru@N-Doped Carbon Catalyst for the Hydrogenolysis of Lignin To Produce Aromatic Monomers. <i>ACS Catalysis</i> , 2019 , 9, 5828-5836	13.1	54

62	Generic Biphasic Catalytic Approach for Producing Renewable Diesel from Fatty Acids and Vegetable Oils. <i>ACS Catalysis</i> , 2019 , 9, 3753-3763	13.1	16
61	Hybrid Regularized Echo State Network for Multivariate Chaotic Time Series Prediction. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 2305-2315	10.2	24
60	Globality-Locality Preserving Maximum Variance Extreme Learning Machine. <i>Complexity</i> , 2019 , 2019, 1-18	1.6	2
59	Incorporating User Generated Content for Drug Drug Interaction Extraction Based on Full Attention Mechanism. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 360-367	3.4	4
58	The Effects of Catalyst Support and Temperature on the Hydrotreating of Waste Cooking Oil (WCO) over CoMo Sulfided Catalysts. <i>Catalysts</i> , 2019 , 9, 689	4	8
57	Application of Phase Transfer Catalysis in the Esterification of Organic Acids: The Primary Products from Ring Hydrocarbon Oxidation Processes. <i>Catalysts</i> , 2019 , 9, 851	4	0
56	Water-assisted selective hydrodeoxygenation of phenol to benzene over the Ru composite catalyst in the biphasic process. <i>Green Chemistry</i> , 2019 , 21, 1668-1679	10	39
55	Catalytic Decomposition of Oleic Acid to Fuels and Chemicals: Roles of Catalyst Acidity and Basicity on Product Distribution and Reaction Pathways. <i>Catalysts</i> , 2019 , 9, 1063	4	7
54	Spatio-Temporal Interpolated Echo State Network for Meteorological Series Prediction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1621-1634	10.3	13
53	One-Step Approach to 2,5-Diformylfuran from Fructose over Molybdenum Oxides Supported on Carbon Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 315-323	8.3	17
52	Upgrading Biocrude of Grindelia Squarrosa to Jet Fuel Precursors by Aqueous Phase Hydrodeoxygenation. <i>Energy Technology</i> , 2018 , 6, 1832-1843	3.5	4
51	The Applications of Nanocomposite Catalysts in Biofuel Production 2018 , 309-350		2
50	Improve Biomedical Information Retrieval Using Modified Learning to Rank Methods. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 , 15, 1797-1809	3	7
49	Renewable energy storage via efficient reversible hydrogenation of piperidine captured CO ₂ . <i>Green Chemistry</i> , 2018 , 20, 4292-4298	10	15
48	Production of High-Density Renewable Aviation Fuel from Arid Land Crop. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10108-10119	8.3	10
47	Coupling Glucose Dehydrogenation with CO Hydrogenation by Hydrogen Transfer in Aqueous Media at Room Temperature. <i>ChemSusChem</i> , 2018 , 11, 2029-2034	8.3	10
46	Catalytic Transfer Hydrogenation of Furfural for the Production of Ethyl Levulinate: Interplay of Lewis and Brønsted Acidities. <i>Energy Technology</i> , 2018 , 6, 1826-1831	3.5	15
45	Catalytic conversion of waste cooking oil to fuel oil: Catalyst design and effect of solvent. <i>Energy</i> , 2018 , 157, 270-277	7.9	21

44	Learning to Refine Expansion Terms for Biomedical Information Retrieval using Semantic Resources. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 ,	3	7
43	Application of Uniform Design Method in the Optimization of Hydrothermal Synthesis for Nano MoS ₂ Catalyst with High HDS Activity. <i>Catalysts</i> , 2018 , 8, 654	4	6
42	Catalytic hydrogenation of stearic acid over reduced NiMo catalysts: Structure-activity relationship and effect of the hydrogen-donor. <i>Applied Catalysis A: General</i> , 2018 , 566, 146-154	5.1	16
41	Physicochemical Studies of Adsorptive Denitrogenation by Oxidized Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 5033-5041	3.9	18
40	Highly efficient conversion of terpenoid biomass to jet-fuel range cycloalkanes in a biphasic tandem catalytic process. <i>Green Chemistry</i> , 2017 , 19, 3566-3573	10	30
39	Grindelia squarrosa: A Potential Arid Lands Biofuel Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 995-1001	8.3	4
38	Nanoparticle/Metal-Organic Framework Composites for Catalytic Applications: Current Status and Perspective. <i>Molecules</i> , 2017 , 22,	4.8	75
37	Catalytic conversion of stearic acid to fuel oil in a hydrogen donor. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 16402-16414	6.7	15
36	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1002-1011	2.5	75
35	Mechanistic insights into the production of methyl lactate by catalytic conversion of carbohydrates on mesoporous Zr-SBA-15. <i>Journal of Catalysis</i> , 2016 , 333, 207-216	7.3	92
34	Direct Conversion of Cellulose into Ethyl Lactate in Supercritical Ethanol-Water Solutions. <i>ChemSusChem</i> , 2016 , 9, 36-41	8.3	35
33	Effect of redox properties of LaCoO ₃ perovskite catalyst on production of lactic acid from cellulosic biomass. <i>Catalysis Today</i> , 2016 , 269, 56-64	5.3	47
32	Adsorptive Removal of Nitrogen and Sulfur Containing Compounds by SBA15 Supported Nickel (II) and Tungsten Phosphides and the Adsorption Mechanisms. <i>International Journal of Chemical Reactor Engineering</i> , 2016 , 14, 823-830	1.2	6
31	Manipulating the dimensional assembly pattern and crystalline structures of iron oxide nanostructures with a functional polyolefin. <i>Nanoscale</i> , 2016 , 8, 1915-20	7.7	4
30	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1106-1114	8.3	40
29	Catalytic Oxidation Pathways for the Production of Carboxylic Acids from Biomass. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 171-202	1.1	1
28	Hydrotreatment of Light Cycle Oil Over a Dispersed MoS ₂ Catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2016 , 14, 703-711	1.2	4
27	Highly efficient hydrogen storage system based on ammonium bicarbonate/formate redox equilibrium over palladium nanocatalysts. <i>ChemSusChem</i> , 2015 , 8, 813-6	8.3	80

26	High yield production of formate by hydrogenating CO ₂ derived ammonium carbamate/carbonate at room temperature. <i>Green Chemistry</i> , 2015 , 17, 2769-2773	10	61
25	Biomass characterization of Agave and Opuntia as potential biofuel feedstocks. <i>Biomass and Bioenergy</i> , 2015 , 76, 43-53	5.3	75
24	The role of oxygen functional groups in the adsorption of heteroaromatic nitrogen compounds. <i>Journal of Hazardous Materials</i> , 2015 , 297, 217-23	12.8	28
23	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 469-480	13	268
22	Catalytic conversion of hemicellulosic biomass to lactic acid in pH neutral aqueous phase media. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 149-157	21.8	95
21	Simultaneously Converting Carbonate/Bicarbonate and Biomass to Value-added Carboxylic Acid Salts by Aqueous-phase Hydrogen Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 195-203 ^{8.3}	8.3	21
20	Carboxyl Multiwalled Carbon-Nanotube-Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. <i>ChemElectroChem</i> , 2015 , 2, 559-570	4.3	46
19	Understanding of the effect of synthesis temperature on the crystallization and activity of nano-MoS ₂ catalyst. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 537-546	21.8	58
18	Adsorptive denitrogenation and desulfurization of diesel using activated carbons oxidized by (NH ₄) ₂ S ₂ O ₈ under mild conditions. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 538-548	2.3	26
17	Hydroprocessing of waste cooking oil over a dispersed nano catalyst: Kinetics study and temperature effect. <i>Applied Catalysis B: Environmental</i> , 2014 , 150-151, 238-248	21.8	57
16	Low-temperature oxidation of guaiacol to maleic acid over TS-1 catalyst in alkaline aqueous H ₂ O ₂ solutions. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 622-630	11.3	9
15	The role of cobalt and nickel in deoxygenation of vegetable oils. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 415-422	21.8	58
14	Catalytic Conversion of Lignocellulosic Biomass to Value-Added Organic Acids in Aqueous Media. <i>Green Chemistry and Sustainable Technology</i> , 2014 , 109-138	1.1	1
13	Hydrotreatment of lignocellulosic biomass derived oil using a sulfided NiMo/EA12O ₃ catalyst. <i>Catalysis Science and Technology</i> , 2014 , 4, 109-119	5.5	34
12	Magnetic carbon nanostructures: microwave energy-assisted pyrolysis vs. conventional pyrolysis. <i>Chemical Communications</i> , 2013 , 49, 258-60	5.8	39
11	Adsorptive Denitrogenation and Desulfurization of Diesel Fractions by Mesoporous SBA15-Supported Nickel(II) Phosphide Synthesized through a Novel Approach of Urea Matrix Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14503-14510	3.9	32
10	High yield production of levulinic acid by catalytic partial oxidation of cellulose in aqueous media. <i>Energy and Environmental Science</i> , 2012 , 5, 9773	35.4	76
9	Comprehensive and sustainable recycling of polymer nanocomposites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16239		26

8	Multifunctional composite core-shell nanoparticles. <i>Nanoscale</i> , 2011 , 3, 4474-502	7.7	367
7	Synthesis of amorphous silicon carbide nanoparticles in a low temperature low-pressure plasma reactor. <i>Nanotechnology</i> , 2008 , 19, 325601	3.4	54
6	Size-Dependent Activity of Gold Nanoparticles for Oxygen Electroreduction in Alkaline Electrolyte. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10515-10519	3.8	92
5	Magnetic and magnetoresistance behaviors of particulate iron/vinyl ester resin nanocomposites. <i>Journal of Applied Physics</i> , 2008 , 104, 014314	2.5	44
4	Highly active and sinter-resistant Pd-nanoparticle catalysts encapsulated in silica. <i>Small</i> , 2008 , 4, 1694-7	11	149
3	Facile monomer stabilization approach to fabricate iron/vinyl ester resin nanocomposites. <i>Composites Science and Technology</i> , 2008 , 68, 2551-2556	8.6	39
2	An optical fiber monolith reactor for photocatalytic wastewater treatment. <i>AIChE Journal</i> , 2006 , 52, 2271-2280	3.6	28
1	Development of an optical fiber monolith reactor for photocatalytic wastewater Treatment. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 699-708	2.6	91