Hongfei Lin

List of Publications by Citations

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	Multifunctional composite core-shell nanoparticles. *Nanoscale*, **2011**, 3, 4474-502	7.7	367
96	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. *Journal of Materials Chemistry A*, **2015**, 3, 469-480	13	268
95	Highly active and sinter-resistant Pd-nanoparticle catalysts encapsulated in silica. *Small*, **2008**, 4, 1694-7	11	149
94	Catalytic conversion of hemicellulosic biomass to lactic acid in pH neutral aqueous phase media. *Applied Catalysis B: Environmental*, **2015**, 162, 149-157	21.8	95
93	Mechanistic insights into the production of methyl lactate by catalytic conversion of carbohydrates on mesoporous Zr-SBA-15. *Journal of Catalysis*, **2016**, 333, 207-216	7.3	92
92	Size-Dependent Activity of Gold Nanoparticles for Oxygen Electroreduction in Alkaline Electrolyte. *Journal of Physical Chemistry C*, **2008**, 112, 10515-10519	3.8	92
91	Development of an optical fiber monolith reactor for photocatalytic wastewater Treatment. *Journal of Applied Electrochemistry*, **2005**, 35, 699-708	2.6	91
90	Highly efficient hydrogen storage system based on ammonium bicarbonate/formate redox equilibrium over palladium nanocatalysts. *ChemSusChem*, **2015**, 8, 813-6	8.3	80
89	High yield production of levulinic acid by catalytic partial oxidation of cellulose in aqueous media. *Energy and Environmental Science*, **2012**, 5, 9773	35.4	76
88	Biomass characterization of Agave and Opuntia as potential biofuel feedstocks. *Biomass and Bioenergy*, **2015**, 76, 43-53	5.3	75
87	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. *Environmental Progress and Sustainable Energy*, **2016**, 35, 1002-1011	2.5	75
86	Nanoparticle/Metal-Organic Framework Composites for Catalytic Applications: Current Status and Perspective. *Molecules*, **2017**, 22,	4.8	75
85	High yield production of formate by hydrogenating CO2 derived ammonium carbamate/carbonate at room temperature. *Green Chemistry*, **2015**, 17, 2769-2773	10	61
84	The role of cobalt and nickel in deoxygenation of vegetable oils. *Applied Catalysis B: Environmental*, **2014**, 160-161, 415-422	21.8	58
83	Understanding of the effect of synthesis temperature on the crystallization and activity of nano-MoS2 catalyst. *Applied Catalysis B: Environmental*, **2015**, 165, 537-546	21.8	58
82	Hydroprocessing of waste cooking oil over a dispersed nano catalyst: Kinetics study and temperature effect. *Applied Catalysis B: Environmental*, **2014**, 150-151, 238-248	21.8	57
81	In Situ Preparation of Ru@N-Doped Carbon Catalyst for the Hydrogenolysis of Lignin To Produce Aromatic Monomers. *ACS Catalysis*, **2019**, 9, 5828-5836	13.1	54

80	Synthesis of amorphous silicon carbide nanoparticles in a low temperature low‐pressure plasma reactor. *Nanotechnology*, **2008**, 19, 325601	3.4	54
79	Effect of redox properties of LaCoO3 perovskite catalyst on production of lactic acid from cellulosic biomass. *Catalysis Today*, **2016**, 269, 56-64	5.3	47
78	Carboxyl Multiwalled Carbon-Nanotube-Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. *ChemElectroChem*, **2015**, 2, 559-570	4.3	46
77	Magnetic and magnetoresistance behaviors of particulate iron/vinyl ester resin nanocomposites. *Journal of Applied Physics*, **2008**, 104, 014314	2.5	44
76	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1106-1114	8.3	40
75	Magnetic carbon nanostructures: microwave energy-assisted pyrolysis vs. conventional pyrolysis. *Chemical Communications*, **2013**, 49, 258-60	5.8	39
74	Facile monomer stabilization approach to fabricate iron/vinyl ester resin nanocomposites. *Composites Science and Technology*, **2008**, 68, 2551-2556	8.6	39
73	Water-assisted selective hydrodeoxygenation of phenol to benzene over the Ru composite catalyst in the biphasic process. *Green Chemistry*, **2019**, 21, 1668-1679	10	39
72	Direct Conversion of Cellulose into Ethyl Lactate in Supercritical Ethanol-Water Solutions. *ChemSusChem*, **2016**, 9, 36-41	8.3	35
71	Hydrotreatment of lignocellulosic biomass derived oil using a sulfided NiMo/Al2O3 catalyst. *Catalysis Science and Technology*, **2014**, 4, 109-119	5.5	34
70	Adsorptive Denitrogenation and Desulfurization of Diesel Fractions by Mesoporous SBA15-Supported Nickel(II) Phosphide Synthesized through a Novel Approach of Urea Matrix Combustion. *Industrial & Engineering Chemistry Research*, **2012**, 51, 14503-14510	3.9	32
69	Highly efficient conversion of terpenoid biomass to jet-fuel range cycloalkanes in a biphasic tandem catalytic process. *Green Chemistry*, **2017**, 19, 3566-3573	10	30
68	The role of oxygen functional groups in the adsorption of heteroaromatic nitrogen compounds. *Journal of Hazardous Materials*, **2015**, 297, 217-23	12.8	28
67	An optical fiber monolith reactor for photocatalytic wastewater treatment. *AICHE Journal*, **2006**, 52, 2271-2280	3.6	28
66	Adsorptive denitrogenation and desulfurization of diesel using activated carbons oxidized by (NH4)2S2O8 under mild conditions. *Canadian Journal of Chemical Engineering*, **2015**, 93, 538-548	2.3	26
65	Comprehensive and sustainable recycling of polymer nanocomposites. *Journal of Materials Chemistry*, **2011**, 21, 16239		26
64	Hybrid Regularized Echo State Network for Multivariate Chaotic Time Series Prediction. *IEEE Transactions on Cybernetics*, **2019**, 49, 2305-2315	10.2	24
63	CO Reduction to Methanol in the Liquid Phase: A Review. *ChemSusChem*, **2020**, 13, 6141-6159	8.3	22

62	Deconstruction of high-density polyethylene into liquid hydrocarbon fuels and lubricants by hydrogenolysis over Ru catalyst. *Chem Catalysis*, **2021**, 1, 437-455		22
61	Catalytic conversion of waste cooking oil to fuel oil: Catalyst design and effect of solvent. *Energy*, **2018**, 157, 270-277	7.9	21
60	Simultaneously Converting Carbonate/Bicarbonate and Biomass to Value-added Carboxylic Acid Salts by Aqueous-phase Hydrogen Transfer. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 195-203	8.3	21
59	Physicochemical Studies of Adsorptive Denitrogenation by Oxidized Activated Carbons. *Industrial & Engineering Chemistry Research*, **2017**, 56, 5033-5041	3.9	18
58	One-Step Approach to 2,5-Diformylfuran from Fructose over Molybdenum Oxides Supported on Carbon Spheres. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 315-323	8.3	17
57	Generic Biphasic Catalytic Approach for Producing Renewable Diesel from Fatty Acids and Vegetable Oils. *ACS Catalysis*, **2019**, 9, 3753-3763	13.1	16
56	Catalytic hydrogenation of stearic acid over reduced NiMo catalysts: Structure□ctivity relationship and effect of the hydrogen-donor. *Applied Catalysis A: General*, **2018**, 566, 146-154	5.1	16
55	Catalytic conversion of stearic acid to fuel oil in a hydrogen donor. *International Journal of Hydrogen Energy*, **2016**, 41, 16402-16414	6.7	15
54	Renewable energy storage via efficient reversible hydrogenation of piperidine captured CO2. *Green Chemistry*, **2018**, 20, 4292-4298	10	15
53	Catalytic Transfer Hydrogenation of Furfural for the Production of Ethyl Levulinate: Interplay of Lewis and Br□sted Acidities. *Energy Technology*, **2018**, 6, 1826-1831	3.5	15
52	Spatio-Temporal Interpolated Echo State Network for Meteorological Series Prediction. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1621-1634	10.3	13
51	Sentiment Analysis With Comparison Enhanced Deep Neural Network. *IEEE Access*, **2020**, 8, 78378-78384	3.5	12
50	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. *Fuel*, **2020**, 278, 118324	7.1	11
49	A Shortcut Route to Close Nitrogen Cycle: Bio-Based Amines Production via Selective Deoxygenation of Chitin Monomers over Ru/C in Acidic Solutions. *IScience*, **2020**, 23, 101096	6.1	11
48	Production of High-Density Renewable Aviation Fuel from Arid Land Crop. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10108-10119	8.3	10
47	Coupling Glucose Dehydrogenation with CO Hydrogenation by Hydrogen Transfer in Aqueous Media at Room Temperature. *ChemSusChem*, **2018**, 11, 2029-2034	8.3	10
46	Low-temperature oxidation of guaiacol to maleic acid over TS-1 catalyst in alkaline aqueous H2O2 solutions. *Chinese Journal of Catalysis*, **2014**, 35, 622-630	11.3	9
45	Mechanistic Insight into Selective Deoxygenation of l-Lysine to Produce Biobased Amines. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11805-11817	8.3	9

44	One-pot conversion of carbohydrates into furan derivatives in biphasic tandem catalytic process. *Catalysis Today*, **2020**, 339, 296-304	5.3	9
43	Eliminating carbon dioxide emissions at the source by the integration of carbon dioxide capture and utilization over noble metals in the liquid phase. *Journal of Catalysis*, **2020**, 389, 247-258	7.3	8
42	The Effects of Catalyst Support and Temperature on the Hydrotreating of Waste Cooking Oil (WCO) over CoMo Sulfided Catalysts. *Catalysts*, **2019**, 9, 689	4	8
41	Multi-Element Hierarchical Attention Capsule Network for Stock Prediction. *IEEE Access*, **2020**, 8, 143114-143123	3.5	8
40	Improve Biomedical Information Retrieval Using Modified Learning to Rank Methods. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2018**, 15, 1797-1809	3	7
39	Highly Efficient Production of 5-Hydroxymethylfurfural from Fructose via a Bromine-Functionalized Porous Catalyst under Mild Conditions. *Industrial & Engineering Chemistry Research*, **2020**, 59, 14569-14577	3.9	7
38	Catalytic Decomposition of Oleic Acid to Fuels and Chemicals: Roles of Catalyst Acidity and Basicity on Product Distribution and Reaction Pathways. *Catalysts*, **2019**, 9, 1063	4	7
37	Learning to Refine Expansion Terms for Biomedical Information Retrieval using Semantic Resources. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2018**,	3	7
36	Interactive Self-Attentive Siamese Network for Biomedical Sentence Similarity. *IEEE Access*, **2020**, 8, 84093-84104	3.5	6
35	Adsorptive Removal of Nitrogen and Sulfur Containing Compounds by SBA15 Supported Nickel (II) and Tungsten Phosphides and the Adsorption Mechanisms. *International Journal of Chemical Reactor Engineering*, **2016**, 14, 823-830	1.2	6
34	Application of Uniform Design Method in the Optimization of Hydrothermal Synthesis for Nano MoS2 Catalyst with High HDS Activity. *Catalysts*, **2018**, 8, 654	4	6
33	Facile biphasic catalytic process for conversion of monoterpenoids to tricyclic hydrocarbon biofuels. *Journal of Energy Chemistry*, **2020**, 49, 42-50	12	5
32	Document-Level Biomedical Relation Extraction Using Graph Convolutional Network and Multihead Attention: Algorithm Development and Validation. *JMIR Medical Informatics*, **2020**, 8, e17638	3.6	5
31	Lexicon Knowledge Boosted Interaction Graph Network for Adverse Drug Reaction Recognition From Social Media. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 2777-2786	7.2	5
30	An Effective Emotional Expression and Knowledge-Enhanced Method for Detecting Adverse Drug Reactions. *IEEE Access*, **2020**, 8, 87083-87093	3.5	4
29	A Multi-Dimension Question Answering Network for Sarcasm Detection. *IEEE Access*, **2020**, 8, 135152-135161	3.5	4
28	Upgrading Biocrude of Grindelia Squarrosa to Jet Fuel Precursors by Aqueous Phase Hydrodeoxygenation. *Energy Technology*, **2018**, 6, 1832-1843	3.5	4
27	Manipulating the dimensional assembly pattern and crystalline structures of iron oxide nanostructures with a functional polyolefin. *Nanoscale*, **2016**, 8, 1915-20	7.7	4

26	Incorporating User Generated Content for Drug Drug Interaction Extraction Based on Full Attention Mechanism. *IEEE Transactions on Nanobioscience*, **2019**, 18, 360-367	3.4	4
25	Grindelia squarrosa: A Potential Arid Lands Biofuel Plant. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 995-1001	8.3	4
24	A multi-view network for real-time emotion recognition in conversations. *Knowledge-Based Systems*, **2022**, 236, 107751	7.3	4
23	Heterogeneous Catalysis on Liquid Organic Hydrogen Carriers. *Topics in Catalysis*, **2021**, 64, 481-508	2.3	4
22	Hydrotreatment of Light Cycle Oil Over a Dispersed MoS2 Catalyst. *International Journal of Chemical Reactor Engineering*, **2016**, 14, 703-711	1.2	4
21	Catalytic hydrodeoxygenation of waste cooking oil and stearic acid over reduced nickel-basded catalysts. *Catalysis Communications*, **2021**, 149, 106235	3.2	4
20	Synergistic interaction between Cu and ZrO2 promotes ethyl formate hydrogenation to produce methanol. *Catalysis Today*, **2021**, 374, 53-60	5.3	3
19	Phonetics and Ambiguity Comprehension Gated Attention Network for Humor Recognition. *Complexity*, **2020**, 2020, 1-9	1.6	2
18	The Applications of Nanocomposite Catalysts in Biofuel Production **2018**, 309-350		2
17	Globality-Locality Preserving Maximum Variance Extreme Learning Machine. *Complexity*, **2019**, 2019, 1-18	1.6	2
16	Depression Detection on Reddit With an Emotion-Based Attention Network: Algorithm Development and Validation. *JMIR Medical Informatics*, **2021**, 9, e28754	3.6	2
15	One-pot production of jet fuels from fatty acids and vegetable oils in biphasic tandem catalytic process. *Fuel*, **2021**, 302, 121060	7.1	2
14	Beyond biodegradation: Chemical upcycling of poly(lactic acid) plastic waste to methyl lactate catalyzed by quaternary ammonium fluoride. *Journal of Catalysis*, **2021**, 402, 61-71	7.3	2
13	DocR-BERT: Document-level R-BERT for Chemical-induced Disease Relation Extraction via Gaussian Probability Distribution. *IEEE Journal of Biomedical and Health Informatics*, **2021**, PP,	7.2	2
12	Catalytic Oxidation Pathways for the Production of Carboxylic Acids from Biomass. *Green Chemistry and Sustainable Technology*, **2016**, 171-202	1.1	1
11	Catalytic Conversion of Lignocellulosic Biomass to Value-Added Organic Acids in Aqueous Media. *Green Chemistry and Sustainable Technology*, **2014**, 109-138	1.1	1
10	Dual constraints and adversarial learning for fair recommenders. *Knowledge-Based Systems*, **2022**, 239, 108058	7.3	1
9	A Graph Convolutional Network-Based Method for Chemical-Protein Interaction Extraction: Algorithm Development. *JMIR Medical Informatics*, **2020**, 8, e17643	3.6	1

8	Hyperspectral image classification with discriminative manifold broad learning system. *Neurocomputing*, **2021**, 442, 236-248	5.4	1
7	Multifeature Fusion Attention Network for Suicide Risk Assessment Based on Social Media: Algorithm Development and Validation. *JMIR Medical Informatics*, **2021**, 9, e28227	3.6	1
6	Taylor-ChOA: Taylor-Chimp Optimized Random Multimodal Deep Learning-Based Sentiment Classification Model for Course Recommendation. *Mathematics*, **2022**, 10, 1354	2.3	1
5	Application of Phase Transfer Catalysis in the Esterification of Organic Acids: The Primary Products from Ring Hydrocarbon Oxidation Processes. *Catalysts*, **2019**, 9, 851	4	0
4	Heterogeneous information network embedding based on multiperspective metapath for question routing. *Knowledge-Based Systems*, **2022**, 240, 107842	7.3	0
3	SC-Political ResNet: Hashtag Recommendation from Tweets Using Hybrid Optimization-Based Deep Residual Network. *Information (Switzerland)*, **2021**, 12, 389	2.6	0
2	Spider Taylor-ChOA: Optimized Deep Learning Based Sentiment Classification for Review Rating Prediction. *Applied Sciences (Switzerland)*, **2022**, 12, 3211	2.6	0
1	Improving Human Happiness Analysis Based on Transfer Learning: Algorithm Development and Validation. *JMIR Medical Informatics*, **2021**, 9, e28292	3.6	