Hemant Choudhary

List of Publications by Year in Descending Order

27 papers	678 citations	12 h-index	26 g-index
31 ext. papers	823 ext. citations	6.5 avg, IF	4.36 L-index

#	Paper	IF	Citations
27	Association of gene expression with syringyl to guaiacyl ratio in sugarcane lignin. *Plant Molecular Biology*, **2021**, 106, 173-192	4.6	2
26	Can Multiple Ions in an Ionic Liquid Improve the Biomass Pretreatment Efficacy?. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4371-4376	8.3	5
25	Towards understanding of delignification of grassy and woody biomass in cholinium-based ionic liquids. *Green Chemistry*, **2021**, 23, 6020-6035	10	4
24	A predictive toolset for the identification of effective lignocellulosic pretreatment solvents: a case study of solvents tailored for lignin extraction. *Green Chemistry*, **2021**, 23, 7269-7289	10	3
23	Confusing Ions on Purpose: How Many Parent Acid Molecules Can Be Incorporated in a Herbicidal Ionic Liquid?. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1941-1948	8.3	4
22	Enhanced Acidity and Activity of Aluminum/Gallium-Based Ionic Liquids Resulting from Dynamic Anionic Speciation. *ACS Catalysis*, **2019**, 9, 9789-9793	13.1	4
21	Structural Diversity in Tetrakis(4-pyridyl)porphyrin Supramolecular Building Blocks. *Crystal Growth and Design*, **2019**, 19, 3529-3542	3.5	4
20	Solubility Studies of Cyclosporine Using Ionic Liquids. *ACS Omega*, **2019**, 4, 7938-7943	3.9	9
19	Azolate Anions in Ionic Liquids: Promising and Under-Utilized Components of the Ionic Liquid Toolbox. *Chemistry - A European Journal*, **2019**, 25, 2127-2140	4.8	6
18	Ionic liquids for sustainable processes: Liquid metal catalysis. *Current Opinion in Green and Sustainable Chemistry*, **2018**, 11, 15-21	7.9	27
17	Ionic liquids in cross-coupling reactions: "liquid" solutions to a "solid" precipitation problem. *Chemical Communications*, **2018**, 54, 2056-2059	5.8	8
16	Can Melting Point Trends Help Us Develop New Tools To Control the Crystal Packing of Weakly Interacting Ions?. *Crystal Growth and Design*, **2018**, 18, 597-601	3.5	7
15	Ionic Liquid Platform for Spinning Composite Chitin–Poly(lactic acid) Fibers. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10241-10251	8.3	27
14	Double Salt Ionic Liquids for Lignin Hydrolysis: One Cation for Catalyst and Solvent Anions. *ECS Transactions*, **2018**, 86, 215-229	1	3
13	In Search of Stronger/Cheaper Chitin Nanofibers through Electrospinning of Chitin–Cellulose Composites Using an Ionic Liquid Platform. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14713-14722	8.3	27
12	Surfactant-Assisted Suzuki–Miyaura Coupling Reaction of Unreactive Chlorobenzene over Hydrotalcite-Supported Palladium Catalyst. *Asian Journal of Organic Chemistry*, **2017**, 6, 274-277	3	7
11	Two Herbicides in a Single Compound: Double Salt Herbicidal Ionic Liquids Exemplified with Glyphosate, Dicamba, and MCPA. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6261-6273	8.3	45

List of Publications

10	Hydrotalcite-supported PdPt-catalyzed Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid in Water. *Chemistry Letters*, **2016**, 45, 613-615	1.7	30
9	Synthesis of Formic Acid from Monosaccharides Using Calcined Mg-Al Hydrotalcite as Reusable Catalyst in the Presence of Aqueous Hydrogen Peroxide. *Organic Process Research and Development* , **2015**, 19, 449-453	3.9	13
8	A Convenient Surfactant-Mediated Hydrothermal Approach to Control Supported Copper Oxide Species for Catalytic Upgrading of Glucose to Lactic Acid. *ChemNanoMat*, **2015**, 1, 511-516	3.5	2
7	Synthesis of high-value organic acids from sugars promoted by hydrothermally loaded Cu oxide species on magnesia. *Applied Catalysis B: Environmental*, **2015**, 162, 1-10	21.8	45
6	Selective Oxidation of 1,6-Hexanediol to 6-Hydroxycaproic Acid over Reusable Hydrotalcite-Supported Au-Pd Bimetallic Catalysts. *ChemSusChem*, **2015**, 8, 1862-6	8.3	14
5	Hydrothermal Preparation of a Robust Boehmite-Supported N,N-Dimethyldodecylamine N-Oxide-Capped Cobalt and Palladium Catalyst for the Facile Utilization of Formic Acid as a Hydrogen Source. *ChemCatChem*, **2015**, 7, 2361-2369	5.2	12
4	Direct synthesis of 1,6-hexanediol from HMF over a heterogeneous Pd/ZrP catalyst using formic acid as hydrogen source. *ChemSusChem*, **2014**, 7, 96-100	8.3	161
3	Tailored design of palladium species grafted on an amino functionalized organozinc coordination polymer as a highly pertinent heterogeneous catalyst. *Journal of Materials Chemistry A*, **2014**, 2, 18687-18696	13	27
2	Metal-free oxidative synthesis of succinic acid from biomass-derived furan compounds using a solid acid catalyst with hydrogen peroxide. *Applied Catalysis A: General*, **2013**, 458, 55-62	5.1	101
1	Highly Efficient Aqueous Oxidation of Furfural to Succinic Acid Using Reusable Heterogeneous Acid Catalyst with Hydrogen Peroxide. *Chemistry Letters*, **2012**, 41, 409-411	1.7	80