

# Komal Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2346578/publications.pdf>

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1307594

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#	ARTICLE	IF	CITATIONS
1	2nd generation biomass derived glucose conversion to 5-hydroxymethylfurfural and levulinic acid catalyzed by ionic liquid and transition metal sulfate: Elucidation of kinetics and mechanism. <i>Journal of Cleaner Production</i> , 2020, 256, 120292.	9.3	38
2	Hydrothermal conversion of glucose to levulinic acid using multifunctional ionic liquids: effects of metal ion co-catalysts on the product yield. <i>New Journal of Chemistry</i> , 2018, 42, 228-236.	2.8	33
3	Upgrading of HMF and Biomass-Derived Acids into HMF Esters Using Bifunctional Ionic Liquid Catalysts under Solvent Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 6242-6248.	1.5	22
4	Catalytic Conversion of Glucose into Levulinic Acid Using 2-Phenyl-2-Imidazoline Based Ionic Liquid Catalyst. <i>Molecules</i> , 2021, 26, 348.	3.8	13
5	Cellulose conversion to biofuel precursors using conjugated ionic liquid catalyst: An experimental and DFT study. <i>Applied Catalysis A: General</i> , 2021, 610, 117951.	4.3	11
6	Synthesis of an oxygenated fuel additive from a waste biomass derived aldehyde using a green catalyst: an experimental and DFT study. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2924-2936.	4.9	9
7	Synergistic Bronsted-Lewis Acidity Effect on Upgrading Biomass-Derived Phenolic Compounds: Statistical Optimization of Process Parameters, Kinetic Investigations and DFT Study. <i>ChemistrySelect</i> , 2018, 3, 634-647.	1.5	7