

# Gaurav Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

337  
citations

933447

10  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. <i>Chemical Reviews</i> , 2022, 122, 6322-6373.	47.7	99
2	On the Spatial Design of Co-Fed Amines for Selective Dehydration of Methyl Lactate to Acrylates. <i>ACS Catalysis</i> , 2021, 11, 5718-5735.	11.2	6
3	Acid Sites of Phosphorus-Modified Zeosils. <i>ACS Catalysis</i> , 2021, 11, 9933-9948.	11.2	9
4	Fewâ€Unitâ€Cell MFI Zeolite Synthesized using a Simple Diâ€quaternary Ammonium Structureâ€Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19214-19221.	13.8	19
5	Fewâ€Unitâ€Cell MFI Zeolite Synthesized using a Simple Diâ€quaternary Ammonium Structureâ€Directing Agent. <i>Angewandte Chemie</i> , 2021, 133, 19363-19370.	2.0	8
6	A dual cellularâ€heterogeneous catalyst strategy for the production of olefins from glucose. <i>Nature Chemistry</i> , 2021, 13, 1178-1185.	13.6	12
7	Catalysis-in-a-Box: Robotic Screening of Catalytic Materials in the Time of COVID-19 and Beyond. <i>Matter</i> , 2020, 3, 805-823.	10.0	13
8	Phosphonateâ€Modified UiOâ€66 BrÃnsted Acid Catalyst and Its Use in Dehydraâ€Decyclization of 2â€Methyltetrahydrofuran to Pentadienes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13260-13266.	13.8	21
9	Phosphonateâ€Modified UiOâ€66 BrÃnsted Acid Catalyst and Its Use in Dehydraâ€Decyclization of 2â€Methyltetrahydrofuran to Pentadienes. <i>Angewandte Chemie</i> , 2020, 132, 13362-13368.	2.0	4
10	Steamâ€Induced Coarsening of Singleâ€Unitâ€Cell MFI Zeolite Nanosheets and Its Effect on External Surface BrÃnsted Acid Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 9666-9672.	2.0	5
11	Steamâ€Induced Coarsening of Singleâ€Unitâ€Cell MFI Zeolite Nanosheets and Its Effect on External Surface BrÃnsted Acid Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9579-9585.	13.8	26
12	On the Economics and Process Design of Renewable Butadiene from Biomass-Derived Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3273-3282.	6.7	22
13	Dehydra-decyclization of 2-methyltetrahydrofuran to pentadienes on boron-containing zeolites. <i>Green Chemistry</i> , 2020, 22, 4147-4160.	9.0	22
14	Dehydra-Decyclization of Tetrahydrofuran on H-ZSM5: Mechanisms, Pathways, and Transition State Entropy. <i>ACS Catalysis</i> , 2019, 9, 10279-10293.	11.2	27
15	Mixing studies in unbaffled stirred tank reactor using electrical resistance tomography. <i>Flow Measurement and Instrumentation</i> , 2016, 47, 110-121.	2.0	44