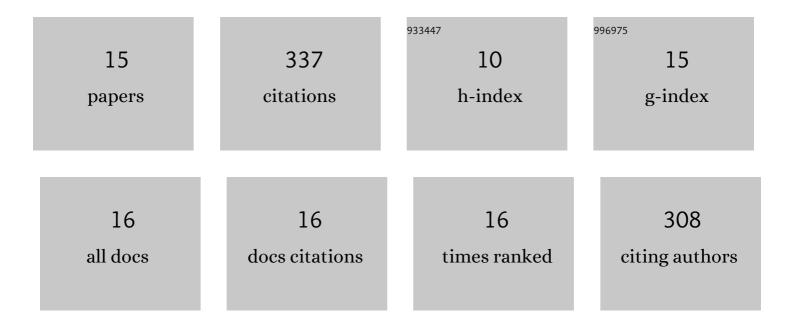
## Gaurav Kumar

List of Publications by Year in descending order

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CALIDAN KIIMAD

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