

Bhaskar S Patil

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

872
citations

840119

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15
docs citations

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806
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma N ₂ -fixation: 1900â€“2014. <i>Catalysis Today</i> , 2015, 256, 49-66.	2.2	259
2	Nitrogen Fixation by Gliding Arc Plasma: Better Insight by Chemical Kinetics Modelling. <i>ChemSusChem</i> , 2017, 10, 2145-2157.	3.6	155
3	Low temperature plasma-catalytic NO _x synthesis in a packed DBD reactor: Effect of support materials and supported active metal oxides. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 123-133.	10.8	150
4	Industrial applications of plasma, microwave and ultrasound techniques: Nitrogen-fixation and hydrogenation reactions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 71, 19-30.	1.8	61
5	Plasma assisted nitrogen oxide production from air: Using pulsed powered gliding arc reactor for a containerized plant. <i>AIChE Journal</i> , 2018, 64, 526-537.	1.8	60
6	Deciphering the synergy between plasma and catalyst support for ammonia synthesis in a packed dielectric barrier discharge reactor. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 144003.	1.3	47
7	The role of heterogeneous catalysts in the plasma-catalytic ammonia synthesis. <i>Catalysis Today</i> , 2021, 362, 2-10.	2.2	39
8	Environmental impact assessment of plasmaâ€“assisted and conventional ammonia synthesis routes. <i>Journal of Industrial Ecology</i> , 2020, 24, 1171-1185.	2.8	30
9	Techno-Economic Feasibility Study of Renewable Power Systems for a Small-Scale Plasma-Assisted Nitric Acid Plant in Africa. <i>Processes</i> , 2016, 4, 54.	1.3	22
10	Nitrogen Fixation by Gliding Arc Plasma: Better Insight by Chemical Kinetics Modelling. <i>ChemSusChem</i> , 2017, 10, 2110-2110.	3.6	17
11	Plasma-Assisted Nitrogen Fixation Reactions. <i>RSC Green Chemistry</i> , 2016, , 296-338.	0.0	15
12	Right first time in fine-chemical process scale-up. <i>Green Processing and Synthesis</i> , 2013, 2, .	1.3	0
13	Engineering catalysis. <i>Green Processing and Synthesis</i> , 2014, 3, .	1.3	0