

Dhruba J Deka

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

339
citations

840776

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1058476

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docs citations

15
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	A Transient-Response methodology based on experiments and modeling for Cu-Redox Half-Cycle kinetic analysis on a Cu-SSZ-13 SCR catalyst. <i>Chemical Engineering Journal</i> , 2022, 435, 134219.	12.7	14
2	Assessing impact of real-world aging on Cu-redox half cycles of a Cu-SSZ-13 SCR catalyst via transient response measurements and kinetic modeling. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121233.	20.2	12
3	On the various Cu-redox pathways and O ₂ -mediated Bronsted-to-Lewis adsorbed-NH ₃ redistribution under SCR half-cycle conditions. <i>Applied Catalysis A: General</i> , 2022, 640, 118656.	4.3	7
4	Coke formation during high-temperature CO ₂ electrolysis over AFeO ₃ (A = La/Sr) cathode: Effect of A-site metal segregation. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119642.	20.2	48
5	Incident-angle dependent <i>operando</i> XAS cell design: investigation of the electrochemical cells under operating conditions at various incidence angles. <i>RSC Advances</i> , 2021, 11, 6456-6463.	3.6	4
6	Investigation of hetero-phases grown via in-situ exsolution on a Ni-doped (La,Sr)FeO ₃ cathode and the resultant activity enhancement in CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119917.	20.2	42
7	A review of the current trends in high-temperature electrocatalytic ammonia production using solid electrolytes. <i>Journal of Catalysis</i> , 2020, 387, 207-216.	6.2	25
8	Temperature-induced changes in the synthesis gas composition in a high-temperature H ₂ O and CO ₂ co-electrolysis system. <i>Applied Catalysis A: General</i> , 2020, 602, 117697.	4.3	12
9	Application of solid electrolyte cells in ion pump and electrolyzer modes to promote catalytic reactions: An overview. <i>Catalysis Today</i> , 2019, 323, 3-13.	4.4	11
10	Hydrogen Production from Water in a Solid Oxide Electrolysis Cell: Effect of Ni Doping on Lanthanum Strontium Ferrite Perovskite Cathodes. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22497-22505.	3.7	19
11	CO ₂ and H ₂ O Electrolysis Using Solid Oxide Electrolyzer Cell (SOEC) with La and Cl- doped Strontium Titanate Cathode. <i>Catalysis Letters</i> , 2019, 149, 1743-1752.	2.6	19
12	Production of syngas with controllable H ₂ /CO ratio by high temperature co-electrolysis of CO ₂ and H ₂ O over Ni and Co- doped lanthanum strontium ferrite perovskite cathodes. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 487-503.	20.2	72
13	Effect of lanthanum and chlorine doping on strontium titanates for the electrocatalytically-assisted oxidative dehydrogenation of ethane. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 90-101.	20.2	44
14	Advances in High-Temperature Electrocatalytic Reduction of CO ₂ and H ₂ O. <i>Advances in Catalysis</i> , 2018, 62, 113-165.	0.2	8
15	Composite Cathodes with Oxide and Nitride Phases for High-Temperature Electrocatalytic Ammonia Production from Nitrogen and Water. , 0, , .		2