

# Dhruba Jyoti Deka

## List of Publications by Year in descending order

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12  
papers

308  
citations

1040056

9  
h-index

1281871

11  
g-index

12  
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12  
docs citations

12  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coke formation during high-temperature CO <sub>2</sub> electrolysis over AFeO <sub>3</sub> (A = La/Sr) cathode: Effect of A-site metal segregation. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119642.	20.2	48
2	Investigation of hetero-phases grown via in-situ exsolution on a Ni-doped (La,Sr)FeO <sub>3</sub> cathode and the resultant activity enhancement in CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119917.	20.2	42
3	Phosphate tolerance of nitrogen-coordinated-iron-carbon (FeNC) catalysts for oxygen reduction reaction: A size-related hindrance effect. <i>Journal of Catalysis</i> , 2020, 390, 150-160.	6.2	6
4	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
5	Temperature-induced changes in the synthesis gas composition in a high-temperature H <sub>2</sub> O and CO <sub>2</sub> co-electrolysis system. <i>Applied Catalysis A: General</i> , 2020, 602, 117697.	4.3	12
6	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
7	Hydrogen Production from Water in a Solid Oxide Electrolysis Cell: Effect of Ni Doping on Lanthanum Strontium Ferrite Perovskite Cathodes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22497-22505.	3.7	19
8	CO <sub>2</sub> and H <sub>2</sub> 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
9	Production of syngas with controllable H <sub>2</sub> /CO ratio by high temperature co-electrolysis of CO <sub>2</sub> and H <sub>2</sub> O over Ni and Co- doped lanthanum strontium ferrite perovskite cathodes. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 487-503.	20.2	72
10	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
11	Advances in High-Temperature Electrocatalytic Reduction of CO <sub>2</sub> and H <sub>2</sub> O. <i>Advances in Catalysis</i> , 2018, 62, 113-165.	0.2	8
12	Composite Cathodes with Oxide and Nitride Phases for High-Temperature Electrocatalytic Ammonia Production from Nitrogen and Water. , 0, , .		2