

Anchu Ashok

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	650 citations	16 h-index	25 g-index
25 ext. papers	876 ext. citations	6.2 avg, IF	4.78 L-index

#	Paper	IF	Citations
25	Electrocatalytic conversion of CO ₂ over in-situ grown Cu microstructures on Cu and Zn foils. <i>Journal of CO₂ Utilization</i> , 2021 , 53, 101749	7.6	3
24	Ag/Co ₃ O ₄ as an effective catalyst for glycerol electro-oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4788-4797	6.7	8
23	Enhancing the electrocatalytic properties of LaMnO ₃ by tuning surface oxygen deficiency through salt assisted combustion synthesis. <i>Catalysis Today</i> , 2021 , 375, 484-493	5.3	11
22	Development of Co/Co ₉ S ₈ metallic nanowire anchored on N-doped CNTs through the pyrolysis of melamine for overall water splitting. <i>Electrochimica Acta</i> , 2021 , 368, 137642	6.7	11
21	Highly efficient methanol oxidation reaction on durable Co ₉ S ₈ @N, S-doped CNT catalyst for methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	1
20	Preparation of Mesoporous/Microporous MnCo ₂ O ₄ and Nanocubic MnCr ₂ O ₄ Using a Single Step Solution Combustion Synthesis for Bifunction Oxygen Electrocatalysis. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 054507	3.9	12
19	Recent advances in cobalt based heterogeneous catalysts for oxygen evolution reaction. <i>Inorganica Chimica Acta</i> , 2020 , 511, 119854	2.7	26
18	Thermochemical splitting of CO ₂ using solution combustion synthesized LaMO ₃ (where, M=Co, Fe, Mn, Ni, Al, Cr, Sr). <i>Applied Surface Science</i> , 2020 , 509, 144908	6.7	2
17	Synthesis and growth mechanism of bamboo like N-doped CNT/Graphene nanostructure incorporated with hybrid metal nanoparticles for overall water splitting. <i>Carbon</i> , 2020 , 170, 452-463	10.4	23
16	A comprehensive and critical review on recent progress in anode catalyst for methanol oxidation reaction. <i>Catalysis Reviews - Science and Engineering</i> , 2020 , 1-103	12.6	41
15	Probing the effect of combustion controlled surface alloying in silver and copper towards ORR and OER in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 844, 66-77	4.1	18
14	Highly active and stable bi-functional NiCoO ₂ catalyst for oxygen reduction and oxygen evolution reactions in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16603-16614	6.7	31
13	Effect of Ni incorporation in cobalt oxide lattice on carbon formation during ethanol decomposition reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 300-311	21.8	16
12	Highly efficient nonenzymatic glucose sensors based on CuO nanoparticles. <i>Applied Surface Science</i> , 2019 , 481, 712-722	6.7	37
11	Influence of fuel ratio on the performance of combustion synthesized bifunctional cobalt oxide catalysts for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 436-445	6.7	27
10	Combustion synthesis of bifunctional LaMO ₃ (M = Cr, Mn, Fe, Co, Ni) perovskites for oxygen reduction and oxygen evolution reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 809, 22-30	4.1	76
9	Synthesis of Highly Efficient Bifunctional Ag/CoO Catalyst for Oxygen Reduction and Oxygen Evolution Reactions in Alkaline Medium. <i>ACS Omega</i> , 2018 , 3, 7745-7756	3.9	41

8	Surface Alloying in Silver-Cobalt through a Second Wave Solution Combustion Synthesis Technique. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
7	Single Step Synthesis of Porous NiCoO ₂ for Effective Electrooxidation of Glycerol in Alkaline Medium. <i>Journal of the Electrochemical Society</i> , 2018 , 165, J3301-J3309	3.9	23
6	Effectiveness of Ni incorporation in iron oxide crystal structure towards thermochemical CO ₂ splitting reaction. <i>Ceramics International</i> , 2017 , 43, 5150-5155	5.1	39
5	Study of ethanol dehydrogenation reaction mechanism for hydrogen production on combustion synthesized cobalt catalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23464-23473	6.7	41
4	La-Based Perovskites as Oxygen-Exchange Redox Materials for Solar Syngas Production. <i>MRS Advances</i> , 2017 , 2, 3365-3370	0.7	19
3	In situ DRIFTS Studies on Cu, Ni and CuNi catalysts for Ethanol Decomposition Reaction. <i>Catalysis Letters</i> , 2016 , 146, 778-787	2.8	40
2	Cobalt oxide nanopowder synthesis using cellulose assisted combustion technique. <i>Ceramics International</i> , 2016 , 42, 12771-12777	5.1	37
1	Cellulose assisted combustion synthesis of porous CuNi nanopowders. <i>RSC Advances</i> , 2015 , 5, 28703-28712	3.7	51