

Anchu Ashok

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,109
citations

361388

20
h-index

580810

25
g-index

25
all docs

25
docs citations

25
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive and critical review on recent progress in anode catalyst for methanol oxidation reaction. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 126-228.	12.9	125
2	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.	3.8	120
3	Recent advances in cobalt based heterogeneous catalysts for oxygen evolution reaction. <i>Inorganica Chimica Acta</i> , 2020, 511, 119854.	2.4	74
4	Highly efficient nonenzymatic glucose sensors based on CuO nanoparticles. <i>Applied Surface Science</i> , 2019, 481, 712-722.	6.1	65
5	Cellulose assisted combustion synthesis of porous Cu-Ni nanopowders. <i>RSC Advances</i> , 2015, 5, 28703-28712.	3.6	59
6	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.	10.3	59
7	In situ DRIFTS Studies on Cu, Ni and CuNi catalysts for Ethanol Decomposition Reaction. <i>Catalysis Letters</i> , 2016, 146, 778-787.	2.6	54
8	Synthesis of Highly Efficient Bifunctional Ag/Co ₃ O ₄ Catalyst for Oxygen Reduction and Oxygen Evolution Reactions in Alkaline Medium. <i>ACS Omega</i> , 2018, 3, 7745-7756.	3.5	53
9	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.	7.1	49
10	Effectiveness of Ni incorporation in iron oxide crystal structure towards thermochemical CO ₂ splitting reaction. <i>Ceramics International</i> , 2017, 43, 5150-5155.	4.8	47
11	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.	7.1	45
12	Cobalt oxide nanopowder synthesis using cellulose assisted combustion technique. <i>Ceramics International</i> , 2016, 42, 12771-12777.	4.8	43
13	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.	5.2	40
14	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.	2.9	36
15	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.	7.1	32
16	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.	20.2	30
17	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.	2.9	28
18	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.	7.1	27

#	ARTICLE	IF	CITATIONS
19	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.	3.8	25
20	Surface Alloying in Silver-Cobalt through a Second Wave Solution Combustion Synthesis Technique. <i>Nanomaterials</i> , 2018, 8, 604.	4.1	22
21	La-Based Perovskites as Oxygen-Exchange Redox Materials for Solar Syngas Production. <i>MRS Advances</i> , 2017, 2, 3365-3370.	0.9	20
22	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.	4.4	19
23	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> , 2022, 47, 3346-3357.	7.1	16
24	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.	6.8	11
25	Thermochemical splitting of CO ₂ using solution combustion synthesized LaMO ₃ (where, M=Co, Fe, Mn,) <i>Tj ETQq1,1 0.784314 rgB</i>	8.1	10