

## List of Publications by Citations

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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	Combustion synthesis of bifunctional LaMO <sub>3</sub> (M = Cr, Mn, Fe, Co, Ni) perovskites for oxygen reduction and oxygen evolution reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 809, 22-30	4.1	76
24	Cellulose assisted combustion synthesis of porous CuNi nanopowders. <i>RSC Advances</i> , <b>2015</b> , 5, 28703-28712	3.1	51
23	Study of ethanol dehydrogenation reaction mechanism for hydrogen production on combustion synthesized cobalt catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23464-23473	6.7	41
22	Synthesis of Highly Efficient Bifunctional Ag/CoO Catalyst for Oxygen Reduction and Oxygen Evolution Reactions in Alkaline Medium. <i>ACS Omega</i> , <b>2018</b> , 3, 7745-7756	3.9	41
21	A comprehensive and critical review on recent progress in anode catalyst for methanol oxidation reaction. <i>Catalysis Reviews - Science and Engineering</i> , <b>2020</b> , 1-103	12.6	41
20	In situ DRIFTS Studies on Cu, Ni and CuNi catalysts for Ethanol Decomposition Reaction. <i>Catalysis Letters</i> , <b>2016</b> , 146, 778-787	2.8	40
19	Effectiveness of Ni incorporation in iron oxide crystal structure towards thermochemical CO <sub>2</sub> splitting reaction. <i>Ceramics International</i> , <b>2017</b> , 43, 5150-5155	5.1	39
18	Highly efficient nonenzymatic glucose sensors based on CuO nanoparticles. <i>Applied Surface Science</i> , <b>2019</b> , 481, 712-722	6.7	37
17	Cobalt oxide nanopowder synthesis using cellulose assisted combustion technique. <i>Ceramics International</i> , <b>2016</b> , 42, 12771-12777	5.1	37
16	Highly active and stable bi-functional NiCoO <sub>2</sub> catalyst for oxygen reduction and oxygen evolution reactions in alkaline medium. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 16603-16614	6.7	31
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> , <b>2019</b> , 44, 436-445	6.7	27
14	Recent advances in cobalt based heterogeneous catalysts for oxygen evolution reaction. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 511, 119854	2.7	26
13	Synthesis and growth mechanism of bamboo like N-doped CNT/Graphene nanostructure incorporated with hybrid metal nanoparticles for overall water splitting. <i>Carbon</i> , <b>2020</b> , 170, 452-463	10.4	23
12	Single Step Synthesis of Porous NiCoO <sub>2</sub> for Effective Electrooxidation of Glycerol in Alkaline Medium. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, J3301-J3309	3.9	23
11	La-Based Perovskites as Oxygen-Exchange Redox Materials for Solar Syngas Production. <i>MRS Advances</i> , <b>2017</b> , 2, 3365-3370	0.7	19
10	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> , <b>2019</b> , 844, 66-77	4.1	18
9	Effect of Ni incorporation in cobalt oxide lattice on carbon formation during ethanol decomposition reaction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 254, 300-311	21.8	16

8	Surface Alloying in Silver-Cobalt through a Second Wave Solution Combustion Synthesis Technique. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	16
7	Preparation of Mesoporous/Microporous MnCo <sub>2</sub> O <sub>4</sub> and Nanocubic MnCr <sub>2</sub> O <sub>4</sub> Using a Single Step Solution Combustion Synthesis for Bifunction Oxygen Electrocatalysis. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 054507	3.9	12
6	Enhancing the electrocatalytic properties of LaMnO <sub>3</sub> by tuning surface oxygen deficiency through salt assisted combustion synthesis. <i>Catalysis Today</i> , <b>2021</b> , 375, 484-493	5.3	11
5	Development of Co/Co <sub>9</sub> S <sub>8</sub> metallic nanowire anchored on N-doped CNTs through the pyrolysis of melamine for overall water splitting. <i>Electrochimica Acta</i> , <b>2021</b> , 368, 137642	6.7	11
4	Ag/Co <sub>3</sub> O <sub>4</sub> as an effective catalyst for glycerol electro-oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 4788-4797	6.7	8
3	Electrocatalytic conversion of CO <sub>2</sub> over in-situ grown Cu microstructures on Cu and Zn foils. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 53, 101749	7.6	3
2	Thermochemical splitting of CO <sub>2</sub> using solution combustion synthesized LaMO <sub>3</sub> (where, M=Co, Fe, Mn, Ni, Al, Cr, Sr). <i>Applied Surface Science</i> , <b>2020</b> , 509, 144908	6.7	2
1	Highly efficient methanol oxidation reaction on durable Co <sub>9</sub> S <sub>8</sub> @N, S-doped CNT catalyst for methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	1