

Jamesh Mohammed Ibrahim

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.

34 papers	2,479 citations	22 h-index	34 g-index
34 ext. papers	3,011 ext. citations	6.5 avg, IF	6.54 L-index

#	Paper	IF	Citations
34	Tuning the electronic structure of the earth-abundant electrocatalysts for oxygen evolution reaction (OER) to achieve efficient alkaline water splitting [A review]. <i>Journal of Energy Chemistry</i> , 2021 , 56, 299-342	12	44
33	ORR/OER activity and zinc-air battery performance of various kinds of graphene-based air catalysts. <i>Materials Science for Energy Technologies</i> , 2021 , 4, 1-22	5.2	0
32	A review on NiFe-based electrocatalysts for efficient alkaline oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020 , 448, 227375	8.9	116
31	Constructing Earth-abundant 3D Nanoarrays for Efficient Overall Water Splitting [A Review]. <i>ChemCatChem</i> , 2019 , 11, 1550-1575	5.2	76
30	Recent advances on flexible electrodes for Na-ion batteries and Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2019 , 32, 15-44	12	42
29	Recent progress on earth abundant electrocatalysts for hydrogen evolution reaction (HER) in alkaline medium to achieve efficient water splitting [A review]. <i>Journal of Energy Chemistry</i> , 2019 , 34, 111-160	12	198
28	Advancement of technology towards developing Na-ion batteries. <i>Journal of Power Sources</i> , 2018 , 378, 268-300	8.9	101
27	Recent progress on earth abundant electrocatalysts for oxygen evolution reaction (OER) in alkaline medium to achieve efficient water splitting [A review]. <i>Journal of Power Sources</i> , 2018 , 400, 31-68	8.9	279
26	A promising energy storage system: rechargeable Ni-Zn battery. <i>Rare Metals</i> , 2017 , 36, 381-396	5.5	42
25	Effects of pulse voltage and deposition time on the adhesion strength of graded metal/carbon films deposited on bendable stainless steel foils by hybrid cathodic arc glow discharge plasma assisted chemical vapor deposition. <i>Applied Surface Science</i> , 2016 , 366, 535-544	6.7	3
24	Synthesis, characterization stereochemistry and anti-bacterial evaluation of certain N-acyl-L-tryptophan derivatives. <i>Journal of Molecular Structure</i> , 2016 , 1120, 70-78	7.4	6
23	Recent progress on earth abundant hydrogen evolution reaction and oxygen evolution reaction bifunctional electrocatalyst for overall water splitting in alkaline media. <i>Journal of Power Sources</i> , 2016 , 333, 213-236	8.9	299
22	Evaluation of corrosion resistance and cytocompatibility of graded metal carbon film on Ti and NiTi prepared by hybrid cathodic arc/glow discharge plasma-assisted chemical vapor deposition. <i>Corrosion Science</i> , 2015 , 97, 126-138	6.8	32
21	Graded metal carbon protein binding films prepared by hybrid cathodic arc glow discharge plasma assisted chemical vapor deposition. <i>Surface and Coatings Technology</i> , 2015 , 265, 222-234	4.4	8
20	Electrochemical corrosion behavior of biodegradable Mg-Zn and Mg-Zn-Ni alloys in Ringer's solution and simulated body fluid. <i>Corrosion Science</i> , 2015 , 91, 160-184	6.8	129
19	Effects of zirconium and oxygen plasma ion implantation on the corrosion behavior of ZK60 Mg alloy in simulated body fluids. <i>Corrosion Science</i> , 2014 , 82, 7-26	6.8	80
18	Plasma modified Mg-Zn-Ni alloy with enhanced surface corrosion resistance. <i>Corrosion Science</i> , 2014 , 78, 121-129	6.8	65

17	Enhanced antimicrobial properties, cytocompatibility, and corrosion resistance of plasma-modified biodegradable magnesium alloys. <i>Acta Biomaterialia</i> , 2014 , 10, 544-56	10.8	157
16	Effects of zirconium and nitrogen plasma immersion ion implantation on the electrochemical corrosion behavior of Mg/RE alloy in simulated body fluid and cell culture medium. <i>Corrosion Science</i> , 2014 , 86, 239-251	6.8	40
15	Effect of thermal oxidation on the corrosion resistance of Ti6Al4V alloy in hydrochloric and nitric acid medium. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013 , 64, 902-907	1.6	5
14	Surface design of biodegradable magnesium alloys [A review]. <i>Surface and Coatings Technology</i> , 2013 , 233, 2-12	4.4	245
13	Thermal oxidation of titanium: Evaluation of corrosion resistance as a function of cooling rate. <i>Materials Chemistry and Physics</i> , 2013 , 138, 565-572	4.4	69
12	Self-protection against corrosion of aged magnesium alloy in simulated physiological environment. <i>Corrosion Science</i> , 2013 , 68, 279-285	6.8	50
11	Effects of silicon plasma ion implantation on electrochemical corrosion behavior of biodegradable Mg/RE Alloy. <i>Corrosion Science</i> , 2013 , 69, 158-163	6.8	54
10	Effect of surface mechanical attrition treatment of titanium using alumina balls: surface roughness, contact angle and apatite forming ability. <i>Frontiers of Materials Science</i> , 2013 , 7, 285-294	2.5	15
9	Effect of Thermal Oxidation on Corrosion Resistance of Commercially Pure Titanium in Acid Medium. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 900-906	1.6	38
8	Electrodeposition of hydroxyapatite coating on magnesium for biomedical applications 2012 , 9, 495-502		98
7	Corrosion behavior of commercially pure Mg and ZM21 Mg alloy in Ringer's solution [Long term evaluation by EIS. <i>Corrosion Science</i> , 2011 , 53, 645-654	6.8	181
6	Corrosion resistant Ti alloy for sulphuric acid medium: Suitability of TiMo alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 63, n/a-n/a	1.6	4
5	c-3,t-3-Dimethyl-r-2,c-6-diphenyl-piperidin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2794		1
4	1-Acetyl-c-3,t-3-dimethyl-r-2,c-6-diphenyl-piperidin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o1974		2
3	c-3,t-3-Dimethyl-4-oxo-r-2,c-6-diphenyl-piperidine-1-carboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2808		
2	1-Chloro-acetyl-3,3-dimethyl-2,6-di-phenyl-piperidin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2041		
1	1-Dichloro-acetyl-3,3-dimethyl-2,6-diphenyl-piperidin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 65, o10		