

# Ammar Bin Yousaf

## 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.

24 papers	761 citations	15 h-index	24 g-index
24 ext. papers	869 ext. citations	6.2 avg, IF	4.16 L-index

#	Paper	IF	Citations
24	Cobalt phosphate nanoparticles decorated with nitrogen-doped carbon layers as highly active and stable electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8155-8160	13.1	176
23	Molybdenum sulfide/graphene-carbon nanotube nanocomposite material for electrocatalytic applications in hydrogen evolution reactions. <i>Nano Research</i> , <b>2016</b> , 9, 837-848	10	79
22	Single Phase PtAg Bimetallic Alloy Nanoparticles Highly Dispersed on Reduced Graphene Oxide for Electrocatalytic Application of Methanol Oxidation Reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 197, 117-125	6.7	57
21	P doped molybdenum dioxide on Mo foil with high electrocatalytic activity for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1647-1652	13	51
20	Highly efficient sustainable photocatalytic Z-scheme hydrogen production from an Fe <sub>2</sub> O <sub>3</sub> engineered ZnCdS heterostructure. <i>Journal of Catalysis</i> , <b>2017</b> , 353, 81-88	7.3	51
19	Mixed-phase PdPt bimetallic alloy on graphene oxide with high activity for electrocatalytic applications. <i>Journal of Power Sources</i> , <b>2015</b> , 282, 520-528	8.9	50
18	Enhanced Electrocatalytic Performance of Pt <sub>3</sub> Pd <sub>1</sub> Alloys Supported on CeO <sub>2</sub> /C for Methanol Oxidation and Oxygen Reduction Reactions. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 2069-2079	3.8	47
17	Highly Efficient Photocatalytic Z-Scheme Hydrogen Production over Oxygen-Deficient WO Nanorods supported ZnCdS Heterostructure. <i>Scientific Reports</i> , <b>2017</b> , 7, 6574	4.9	42
16	Interfacial Phenomenon and Nanostructural Enhancements in Palladium Loaded Lanthanum Hydroxide Nanorods for Heterogeneous Catalytic Applications. <i>Scientific Reports</i> , <b>2018</b> , 8, 4354	4.9	37
15	Synergistic effect of graphene and multi-walled carbon nanotubes composite supported Pd nanocubes on enhancing catalytic activity for electro-oxidation of formic acid. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 4794-4801	5.5	31
14	Engineering and understanding of synergistic effects in the interfaces of rGO-CNTs/PtPd nanocomposite revealed fast electro-oxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 832, 343-352	4.1	25
13	Synergistic effect of interfacial phenomenon on enhancing catalytic performance of Pd loaded MnO <sub>x</sub> /FeO <sub>2</sub> hetero-nanostructure for hydrogenation and electrochemical reactions. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10704-10712	13	21
12	Synergistic effect of Co-Ni co-bridging with MoS nanosheets for enhanced electrocatalytic hydrogen evolution reactions.. <i>RSC Advances</i> , <b>2018</b> , 8, 3374-3380	3.7	19
11	Enhanced and durable electrocatalytic performance of thin layer PtRu bimetallic alloys on Pd-nanocubes for methanol oxidation reactions. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3283-3290	5.5	18
10	Mesoporous carbon supported Pt/MO <sub>2</sub> (M = Ce, Pr, Nd, Sm) heteronanostructure: Promising non-Ru methanol oxidation reaction catalysts for direct methanol fuel cell application. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 794, 86-92	4.1	15
9	Precious metal free Ni/Cu/Mo trimetallic nanocomposite supported on multi-walled carbon nanotubes as highly efficient and durable anode-catalyst for alkaline direct methanol fuel cells. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 823, 98-105	4.1	13
8	A precious-metal-free Fe-intercalated carbon nitride porous-network with enhanced activity for the oxygen reduction reaction and methanol-tolerant oxygen reduction reaction. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 5050-5060	5.8	10

7	Carbon nitride embedded MnO <sub>2</sub> nanospheres decorated with low-content Pt nanoparticles as highly efficient and durable electrode material for solid state supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 801, 84-91	4.1	5
6	Ultra-low Pt-decorated NiCu bimetallic alloys nanoparticles supported on reduced graphene oxide for electro-oxidation of methanol. <i>MRS Communications</i> , <b>2018</b> , 8, 1050-1057	2.7	4
5	Binary cobalt-iron oxides magnetic nanocomposites embedded porous carbon lawn with inherent N doping as promising electrode material for supercapacitors and Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 848, 113344	4.1	3
4	Enhancement of visible light-driven hydrogen production over zinc cadmium sulfide nanoparticles anchored on BiVO <sub>4</sub> nanorods. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 8327-8337	6.7	3
3	Identification of Molecular Fluorophore as a Component of Carbon Dots able to Induce Gelation in a Fluorescent Multivalent-Metal-Ion-Free Alginate Hydrogel. <i>Scientific Reports</i> , <b>2019</b> , 9, 15080	4.9	2
2	INFLUENCE OF PARTICLE SIZE ON DENSITY, ULTRASONIC VELOCITY AND VISCOSITY OF MAGNETITE NANOFLUIDS AT DIFFERENT TEMPERATURES. <i>Nano</i> , <b>2014</b> , 09, 1450089	1.1	2
1	Nanostructural synergism as MnNC channels in manganese (IV) oxide and fluffy g-CN layered composite with exceptional catalytic capabilities.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 610, 258-270	9.3	