

# Javeed Mahmood

## 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.

53  
papers

3,912  
citations

22  
h-index

59  
g-index

59  
ext. papers

4,791  
ext. citations

12.1  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
53	Low-overpotential overall water splitting by a cooperative interface of cobalt-iron hydroxide and iron oxyhydroxide. <i>Cell Reports Physical Science</i> , <b>2022</b> , 3, 100762	6.1	3
52	Direct conversion of aromatic amides into crystalline covalent triazine frameworks by a condensation mechanism. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100653	6.1	1
51	Fused aromatic networks as a new class of gas hydrate inhibitors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133691	14.7	2
50	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes (Adv. Mater. Interfaces 22/2021). <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2170128	4.6	
49	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2101373	4.6	0
48	Fused Aromatic Network Structures: Fused Aromatic Network with Exceptionally High Carrier Mobility (Adv. Mater. 9/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170063	24	
47	Recent Progress in Porous Fused Aromatic Networks and Their Applications. <i>Small Science</i> , <b>2021</b> , 1, 2000007		6
46	Anomalous phonon softening of G-band in compressed graphitic carbon nitride due to strong electrostatic repulsion. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 023103	3.4	0
45	Fused aromatic networks with the different spatial arrangement of structural units. <i>Cell Reports Physical Science</i> , <b>2021</b> , 100502	6.1	0
44	Synthesis of Saddle-Shape Octaaminotetraphenylene Octahydrochloride. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 14398-14403	4.2	1
43	Fused Aromatic Network with Exceptionally High Carrier Mobility. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004707	24	6
42	Identifying the electrocatalytic active sites of a Ru-based catalyst with high Faraday efficiency in CO <sub>2</sub> -saturated media for an aqueous ZnO <sub>2</sub> system. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14927-14934	13.4	10
41	Ruthenium anchored on carbon nanotube electrocatalyst for hydrogen production with enhanced Faradaic efficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 1278	17.4	156
40	Two-dimensional amine and hydroxy functionalized fused aromatic covalent organic framework. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	10
39	Vertical two-dimensional layered fused aromatic ladder structure. <i>Nature Communications</i> , <b>2020</b> , 11, 2021	17.4	14
38	Recent advances in ruthenium-based electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 43-56	10.8	101
37	Iron encased organic networks with enhanced lithium storage properties. <i>Energy Storage</i> , <b>2020</b> , 2, e114	2.8	2

36	Room-Temperature Organic Ferromagnetism. <i>CheM</i> , <b>2019</b> , 5, 1012-1014	16.2	4
35	Synergistic Coupling Derived Cobalt Oxide with Nitrogenated Holey Two-Dimensional Matrix as an Efficient Bifunctional Catalyst for Metal-Air Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 5502-5512	16.7	62
34	Forming layered conjugated porous BBL structures. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4185-4193	4.9	6
33	Metal (M = Ru, Pd and Co) embedded in C <sub>2</sub> N with enhanced lithium storage properties. <i>Materials Today Energy</i> , <b>2019</b> , 14, 100359	7	9
32	Fused Aromatic Network Structures as a Platform for Efficient Electrocatalysis. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805062	24	22
31	Scalable Synthesis of Tetrapodal Octaamine. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 2335-2338	3.3	4
30	Robust fused aromatic pyrazine-based two-dimensional network for stably cocooning iron nanoparticles as an oxygen reduction electrocatalyst. <i>Nano Energy</i> , <b>2019</b> , 56, 581-587	17.1	24
29	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8438-8442	16.4	129
28	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8574-8578	3.6	29
27	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3473-3478	3.6	4
26	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3415-3420	16.4	34
25	Defect-Free Encapsulation of Fe in 2D Fused Organic Networks as a Durable Oxygen Reduction Electrocatalyst. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1737-1742	16.4	103
24	Organic Ferromagnetism: Trapping Spins in the Glassy State of an Organic Network Structure. <i>CheM</i> , <b>2018</b> , 4, 2357-2369	16.2	29
23	Fe@C <sub>2</sub> N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , <b>2018</b> , 44, 304-310	17.1	85
22	Hydrogen Evolution Reaction: Encapsulating Iridium Nanoparticles Inside a 3D Cage-Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction (Adv. Mater. 52/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870401	24	2
21	Encapsulating Iridium Nanoparticles Inside a 3D Cage-Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805606	24	69
20	Molybdenum-Based Carbon Hybrid Materials to Enhance the Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18158-18179	4.8	33
19	Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605717	15.6	62

18	Electrocatalysts: Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst (Adv. Funct. Mater. 9/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	1
17	An efficient and pH-universal ruthenium-based catalyst for the hydrogen evolution reaction. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 441-446	28.7	857
16	Two-Dimensional Covalent Organic Frameworks for Optoelectronics and Energy Storage. <i>ChemNanoMat</i> , <b>2017</b> , 3, 373-391	3.5	82
15	Nitrogen-rich two-dimensional porous polybenzimidazole network as a durable metal-free electrocatalyst for a cobalt reduction reaction in organic dye-sensitized solar cells. <i>Nano Energy</i> , <b>2017</b> , 34, 533-540	17.1	11
14	Electrocatalysis: Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst (Small 40/2017). <i>Small</i> , <b>2017</b> , 13,	11	1
13	2D Frameworks of C N and C N as New Anode Materials for Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702007	24	196
12	Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst. <i>Small</i> , <b>2017</b> , 13, 1701167	11	59
11	Forming a three-dimensional porous organic network via solid-state explosion of organic single crystals. <i>Nature Communications</i> , <b>2017</b> , 8, 1599	17.4	9
10	Macroporous Inverse Opal-like MoC with Incorporated Mo Vacancies for Significantly Enhanced Hydrogen Evolution. <i>ACS Nano</i> , <b>2017</b> , 11, 7527-7533	16.7	84
9	Two-dimensional polyaniline (C3N) from carbonized organic single crystals in solid state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 7414-9	11.5	278
8	Unusually Stable Triazine-based Organic Superstructures. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7413-7	16.4	4
7	Unusually Stable Triazine-based Organic Superstructures. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 7539-7543	3.6	1
6	Nitrogenated holey two-dimensional structures. <i>Nature Communications</i> , <b>2015</b> , 6, 6486	17.4	684
5	Cobalt Oxide Encapsulated in C2N-h2D Network Polymer as a Catalyst for Hydrogen Evolution. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4860-4864	9.6	105
4	Scalable Synthesis of Pure and Stable Hexaaminobenzene Trihydrochloride. <i>Synlett</i> , <b>2013</b> , 24, 246-248	2.2	18
3	Edge-carboxylated graphene nanosheets via ball milling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5588-93	11.5	496
2	A facile synthesis of novel unsymmetrical N-(4-oxo-2-phenyl-3(4H)-quinazolinoyl)-N-(aryl)acetamidines. <i>Chinese Chemical Letters</i> , <b>2010</b> , 21, 905-910	8.1	2
1	In-Plane Oriented Two-Dimensional Conjugated Metal-Organic Framework Films for High-Performance Humidity Sensing	1146-1153	0

