

Javeed Mahmood

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6778523/publications.pdf>

Version: 2024-02-01

56
papers

5,676
citations

218381
26
h-index

174990
52
g-index

59
all docs

59
docs citations

59
times ranked

7487
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient and pH-universal ruthenium-based catalyst for the hydrogen evolution reaction. <i>Nature Nanotechnology</i> , 2017, 12, 441-446.	15.6	1,271
2	Nitrogenated holey two-dimensional structures. <i>Nature Communications</i> , 2015, 6, 6486.	5.8	923
3	Edge-carboxylated graphene nanosheets via ball milling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5588-5593.	3.3	595
4	Two-dimensional polyaniline (C ₃ N) from carbonized organic single crystals in solid state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7414-7419.	3.3	380
5	Ruthenium anchored on carbon nanotube electrocatalyst for hydrogen production with enhanced Faradaic efficiency. <i>Nature Communications</i> , 2020, 11, 1278.	5.8	340
6	2D Frameworks of C ₂ N and C ₃ N as New Anode Materials for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1702007.	11.1	282
7	Recent advances in ruthenium-based electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale Horizons</i> , 2020, 5, 43-56.	4.1	223
8	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8438-8442.	7.2	196
9	Cobalt Oxide Encapsulated in C ₂ N- <i>h</i> 2D Network Polymer as a Catalyst for Hydrogen Evolution. <i>Chemistry of Materials</i> , 2015, 27, 4860-4864.	3.2	131
10	Defect-Free Encapsulation of Fe ⁰ in 2D Fused Organic Networks as a Durable Oxygen Reduction Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 1737-1742.	6.6	124
11	Fe@C ₂ N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , 2018, 44, 304-310.	8.2	118
12	Two-Dimensional Covalent Organic Frameworks for Optoelectronics and Energy Storage. <i>ChemNanoMat</i> , 2017, 3, 373-391.	1.5	106
13	Macroporous Inverse Opal-like Mo _x C with Incorporated Mo Vacancies for Significantly Enhanced Hydrogen Evolution. <i>ACS Nano</i> , 2017, 11, 7527-7533.	7.3	102
14	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> , 2018, 30, e1805606.	11.1	98
15	Synergistic Coupling Derived Cobalt Oxide with Nitrogenated Holey Two-Dimensional Matrix as an Efficient Bifunctional Catalyst for Metal-Air Batteries. <i>ACS Nano</i> , 2019, 13, 5502-5512.	7.3	87
16	Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst. <i>Small</i> , 2017, 13, 1701167.	5.2	82
17	Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , 2017, 27, 1605717.	7.8	80
18	Molybdenum-Based Carbon Hybrid Materials to Enhance the Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 18158-18179.	1.7	46

#	ARTICLE	IF	CITATIONS
19	Low-overpotential overall water splitting by a cooperative interface of cobalt-iron hydroxide and iron oxyhydroxide. <i>Cell Reports Physical Science</i> , 2022, 3, 100762.	2.8	43
20	Organic Ferromagnetism: Trapping Spins in the Glassy State of an Organic Network Structure. <i>Chem</i> , 2018, 4, 2357-2369.	5.8	42
21	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie</i> , 2018, 130, 8574-8578.	1.6	40
22	A Robust 3D Cage-Like Ultramicroporous Network Structure with High Gas Uptake Capacity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3415-3420.	7.2	40
23	Two-dimensional amine and hydroxy functionalized fused aromatic covalent organic framework. <i>Communications Chemistry</i> , 2020, 3, .	2.0	40
24	Robust fused aromatic pyrazine-based two-dimensional network for stably cocooning iron nanoparticles as an oxygen reduction electrocatalyst. <i>Nano Energy</i> , 2019, 56, 581-587.	8.2	35
25	Fused Aromatic Network Structures as a Platform for Efficient Electrocatalysis. <i>Advanced Materials</i> , 2019, 31, e1805062.	11.1	31
26	Vertical two-dimensional layered fused aromatic ladder structure. <i>Nature Communications</i> , 2020, 11, 2021.	5.8	29
27	Scalable Synthesis of Pure and Stable Hexaaminobenzene Trihydrochloride. <i>Synlett</i> , 2013, 24, 246-248.	1.0	23
28	Identifying the electrocatalytic active sites of a Ru-based catalyst with high Faraday efficiency in CO ₂ -saturated media for an aqueous Zn-CO ₂ system. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14927-14934.	5.2	16
29	Fused Aromatic Network with Exceptionally High Carrier Mobility. <i>Advanced Materials</i> , 2021, 33, e2004707.	11.1	16
30	Recent Progress in Porous Fused Aromatic Networks and Their Applications. <i>Small Science</i> , 2021, 1, 2000007.	5.8	14
31	Forming layered conjugated porous BBL structures. <i>Polymer Chemistry</i> , 2019, 10, 4185-4193.	1.9	13
32	Metal (M = Ru, Pd and Co) embedded in C ₂ N with enhanced lithium storage properties. <i>Materials Today Energy</i> , 2019, 14, 100359.	2.5	13
33	Forming a three-dimensional porous organic network via solid-state explosion of organic single crystals. <i>Nature Communications</i> , 2017, 8, 1599.	5.8	12
34	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> , 2017, 34, 533-540.	8.2	11
35	Room-Temperature Organic Ferromagnetism. <i>Chem</i> , 2019, 5, 1012-1014.	5.8	9
36	Fused aromatic networks as a new class of gas hydrate inhibitors. <i>Chemical Engineering Journal</i> , 2022, 433, 133691.	6.6	7

#	ARTICLE	IF	CITATIONS
37	In-Plane Oriented Two-Dimensional Conjugated Metal-Organic Framework Films for High-Performance Humidity Sensing. , 2022, 4, 1146-1153.		7
38	Unusually Stable Triazine-based Organic Superstructures. Angewandte Chemie - International Edition, 2016, 55, 7413-7417.	7.2	6
39	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas Uptake Capacity. Angewandte Chemie, 2018, 130, 3473-3478.	1.6	6
40	Crystalline Porphyrazine-Linked Fused Aromatic Networks with High Proton Conductivity. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
41	Scalable Synthesis of Tetrapodal Octaamine. European Journal of Organic Chemistry, 2019, 2019, 2335-2338.	1.2	4
42	Iron encased organic networks with enhanced lithium storage properties. Energy Storage, 2020, 2, e114.	2.3	4
43	Direct conversion of aromatic amides into crystalline covalent triazine frameworks by a condensation mechanism. Cell Reports Physical Science, 2021, 2, 100653.	2.8	4
44	A facile synthesis of novel unsymmetrical N-(4-oxo-2-phenyl-3(4H)-quinazolinoyl)-N-(aryl)acetamidines. Chinese Chemical Letters, 2010, 21, 905-910.	4.8	3
45	Unusually Stable Triazine-based Organic Superstructures. Angewandte Chemie, 2016, 128, 7539-7543.	1.6	3
46	Fused aromatic networks with the different spatial arrangement of structural units. Cell Reports Physical Science, 2021, 2, 100502.	2.8	3
47	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes. Advanced Materials Interfaces, 2021, 8, 2101373.	1.9	3
48	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.)	10.1	20
49	Anomalous phonon softening of G-band in compressed graphitic carbon nitride due to strong electrostatic repulsion. Applied Physics Letters, 2021, 118, .	1.5	2
50	Synthesis of Saddle-Shape Octaaminotetraphenylene Octahydrochloride. Journal of Organic Chemistry, 2021, 86, 14398-14403.	1.7	2
51	Electrocatalysts: Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst (Adv. Funct. Mater. 9/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
52	Electrocatalysis: Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst (Small 40/2017). Small, 2017, 13, .	5.2	1
53	Crystalline Porphyrazine-Linked Fused Aromatic Networks with High Proton Conductivity. Angewandte Chemie, 2022, 134, .	1.6	1
54	Fused Aromatic Network Structures: Fused Aromatic Network with Exceptionally High Carrier Mobility (Adv. Mater. 9/2021). Advanced Materials, 2021, 33, 2170063.	11.1	0

#	ARTICLE	IF	CITATIONS
55	3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	0
56	Solution-Processable Semiconducting Conjugated Planar Network. ACS Applied Materials & Interfaces, 2022, 14, 14588-14595.	4.0	0