# Ishfaq Ahmad

## List of Publications by Citations



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|---|---|---|---|
| 25 papers | 1,424 citations | 10 h-index | 26 g-index |
| 26 ext. papers | 1,779 ext. citations | 13.7 avg, IF | 4.63 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 25 | An efficient and pH-universal ruthenium-based catalyst for the hydrogen evolution reaction. *Nature Nanotechnology*, **2017**, 12, 441-446 | 28.7 | 857 |
| 24 | Mechanochemically Assisted Synthesis of a Ru Catalyst for Hydrogen Evolution with Performance Superior to Pt in Both Acidic and Alkaline Media. *Advanced Materials*, **2018**, 30, e1803676 | 24 | 125 |
| 23 | Macroporous Inverse Opal-like MoC with Incorporated Mo Vacancies for Significantly Enhanced Hydrogen Evolution. *ACS Nano*, **2017**, 11, 7527-7533 | 16.7 | 84 |
| 22 | Balancing hydrogen adsorption/desorption by orbital modulation for efficient hydrogen evolution catalysis. *Nature Communications*, **2019**, 10, 4060 | 17.4 | 70 |
| 21 | Encapsulating Iridium Nanoparticles Inside a 3D Cage-Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction. *Advanced Materials*, **2018**, 30, e1805606 | 24 | 69 |
| 20 | Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst. *Small*, **2017**, 13, 1701167 | 11 | 59 |
| 19 | Identifying the structure of Zn-N active sites and structural activation. *Nature Communications*, **2019**, 10, 2623 | 17.4 | 50 |
| 18 | A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. *Angewandte Chemie - International Edition*, **2018**, 57, 3415-3420 | 16.4 | 34 |
| 17 | Robust fused aromatic pyrazine-based two-dimensional network for stably cocooning iron nanoparticles as an oxygen reduction electrocatalyst. *Nano Energy*, **2019**, 56, 581-587 | 17.1 | 24 |
| 16 | Hydrogen Evolution Reaction: Mechanochemically Assisted Synthesis of a Ru Catalyst for Hydrogen Evolution with Performance Superior to Pt in Both Acidic and Alkaline Media (Adv. Mater. 44/2018). *Advanced Materials*, **2018**, 30, 1870330 | 24 | 13 |
| 15 | Two-dimensional amine and hydroxy functionalized fused aromatic covalent organic framework. *Communications Chemistry*, **2020**, 3, | 6.3 | 10 |
| 14 | Recent Progress in Porous Fused Aromatic Networks and Their Applications. *Small Science*, **2021**, 1, 2000007 | | 6 |
| 13 | Fused Aromatic Network with Exceptionally High Carrier Mobility. *Advanced Materials*, **2021**, 33, e2004707 | 24 | 6 |
| 12 | A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. *Angewandte Chemie*, **2018**, 130, 3473-3478 | 3.6 | 4 |
| 11 | Scalable Synthesis of Tetrapodal Octaamine. *European Journal of Organic Chemistry*, **2019**, 2019, 2335-2338 | 3.2 | 4 |
| 10 | Unveiling the critical role of active site interaction in single atom catalyst towards hydrogen evolution catalysis. *Nano Energy*, **2022**, 93, 106819 | 17.1 | 3 |
| 9 | Iron encased organic networks with enhanced lithium storage properties. *Energy Storage*, **2020**, 2, e114 | 2.8 | 2 |

# List of Publications

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|---|---|---|---|
| 8 | 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). *Advanced Materials*, **2018**, 30, 1870401 | 24 | 2 |
| 7 | Electrocatalysis: Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst (Small 40/2017). *Small*, **2017**, 13, | 11 | 1 |
| 6 | Synthesis of Saddle-Shape Octaaminotetraphenylene Octahydrochloride. *Journal of Organic Chemistry*, **2021**, 86, 14398-14403 | 4.2 | 1 |
| 5 | Synthesis and Characterization of Functionalized Silver Nanoparticles for Selective Screening of Mercury (II) Ions. *Arabian Journal for Science and Engineering*,1 | 2.5 | 0 |
| 4 | 3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes. *Advanced Materials Interfaces*, **2021**, 8, 2101373 | 4.6 | 0 |
| 3 | Fused aromatic networks with the different spatial arrangement of structural units. *Cell Reports Physical Science*, **2021**, 100502 | 6.1 | 0 |
| 2 | 3D Porous Fused Aromatic Networks for High Performance Gas and Iodine Uptakes (Adv. Mater. Interfaces 22/2021). *Advanced Materials Interfaces*, **2021**, 8, 2170128 | 4.6 | |
| 1 | Fused Aromatic Network Structures: Fused Aromatic Network with Exceptionally High Carrier Mobility (Adv. Mater. 9/2021). *Advanced Materials*, **2021**, 33, 2170063 | 24 | |