

Umar Aslam

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1585838/umar-aslam-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

8 papers	2,094 citations	8 h-index	8 g-index
8 ext. papers	2,499 ext. citations	20.2 avg, IF	5.64 L-index

#	Paper	IF	Citations
8	Chemical Requirement for Extracting Energetic Charge Carriers from Plasmonic Metal Nanoparticles to Perform Electron-Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 643-647	16.4	74
7	Design Principles for Directing Energy and Energetic Charge Flow in Multicomponent Plasmonic Nanostructures. <i>ACS Energy Letters</i> , 2018 , 3, 1590-1596	20.1	76
6	Catalytic conversion of solar to chemical energy on plasmonic metal nanostructures. <i>Nature Catalysis</i> , 2018 , 1, 656-665	36.5	362
5	Controlling energy flow in multimetallic nanostructures for plasmonic catalysis. <i>Nature Nanotechnology</i> , 2017 , 12, 1000-1005	28.7	271
4	Addressing Challenges and Scalability in the Synthesis of Thin Uniform Metal Shells on Large Metal Nanoparticle Cores: Case Study of Ag-Pt Core-Shell Nanocubes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43127-43132	9.5	23
3	Kinetic Trapping of Immiscible Metal Atoms into Bimetallic Nanoparticles through Plasmonic Visible Light-Mediated Reduction of a Bimetallic Oxide Precursor: Case Study of AgPt Nanoparticle Synthesis. <i>Chemistry of Materials</i> , 2016 , 28, 8289-8295	9.6	23
2	Mechanism of Charge Transfer from Plasmonic Nanostructures to Chemically Attached Materials. <i>ACS Nano</i> , 2016 , 10, 6108-15	16.7	242
1	Photochemical transformations on plasmonic metal nanoparticles. <i>Nature Materials</i> , 2015 , 14, 567-76	27	1023