Ahson J Shaikh

List of Publications by Year
in descending order

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38 papers	1,211 citations	430442 18 h-index	377514 34 g-index
41 all docs	41 docs citations	41 times ranked	1613 citing authors

#	Article	IF	Citations
1	Large tunable image-charge effects in single-molecule junctions. Nature Nanotechnology, 2013, 8, 282-287.	15.6	258
2	Tetraketones: A new class of tyrosinase inhibitors. Bioorganic and Medicinal Chemistry, 2006, 14, 344-351.	1.4	99
3	A Review on Synthesis, Characterization and Applications of Copper Nanoparticles Using Green Method. Nano, 2017, 12, 1750043.	0.5	83
4	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Singleâ€Molecule Junctions. Angewandte Chemie - International Edition, 2011, 50, 11223-11226.	7.2	56
5	Synthesis and biological evaluation of novel oxadiazole derivatives: A new class of thymidine phosphorylase inhibitors as potential anti-tumor agents. Bioorganic and Medicinal Chemistry, 2014, 22, 1008-1015.	1.4	51
6	Synthesis and Tetraphenylethylene-Based Aggregation-Induced Emission Probe for Rapid Detection of Nitroaromatic Compounds in Aqueous Media. ACS Omega, 2021, 6, 25447-25460.	1.6	42
7	Guanidine functionalized radiation induced grafted anion-exchange membranes for solid alkaline fuel cells. International Journal of Hydrogen Energy, 2015, 40, 786-796.	3.8	41
8	Identification of 1,2,4-triazoles as new thymidine phosphorylase inhibitors: Future anti-tumor drugs. Bioorganic Chemistry, 2019, 85, 209-220.	2.0	41
9	Aquatic Biodegradation of Methylene Blue by Copper Oxide Nanoparticles Synthesized from Azadirachta indica Leaves Extract. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2455-2462.	1.9	39
10	Aggregation-Induced Emission of Quinoline Based Fluorescent and Colorimetric Sensors for Rapid Detection of Fe3+ and 4-Nitrophenol in Aqueous Medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 272, 121021.	2.0	38
11	Fluorescein based fluorescent and colorimetric sensors for sensitive detection of TNP explosive in aqueous medium: Application of logic gate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 272, 120994.	2.0	34
12	Fluorescent and colorimetric sensors for selective detection of TNT and TNP explosives in aqueous medium through fluorescence emission enhancement mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 428, 113865.	2.0	33
13	Charge transport in a zincâ€“porphyrin single-molecule junction. Beilstein Journal of Nanotechnology, 2011, 2, 714-719.	1.5	31
14	Binding Strength of Porphyrinâ^'Gold Nanoparticle Hybrids Based on Number and Type of Linker Moieties and a Simple Method To Calculate Inner Filter Effects of Gold Nanoparticles Using Fluorescence Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 1108-1116.	1.1	31
15	An Insight into the Coating Behavior of Bimetallic Silver and Gold Core-Shell Nanoparticles. Plasmonics, 2020, 15, 1599-1612.	1.8	30
16	Binding efficiency of functional groups towards noble metal surfaces using graphene oxide â€“ metal nanoparticle hybrids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125858.	2.3	22
17	An insight into the binding behavior of graphene oxide and noble metal nanoparticles. Journal of Applied Physics, 2021, 129, .	1.1	22
18	Graphene quantum dot and iron co-doped TiO2 photocatalysts: Synthesis, performance evaluation and phytotoxicity studies. Ecotoxicology and Environmental Safety, 2021, 226, 112855.	2.9	22

#	Article	IF	Citations
19	Effect of gold nanoparticles on transmittance and conductance of graphene oxide thin films and efficiency of perovskite solar cells. Applied Nanoscience (Switzerland), 2020, 10, 485-497.	1.6	20
20	Role of sorption energy and chemisorption in batch methylene blue and Cu2+ adsorption by novel thuja cone carbon in binary component system: linear and nonlinear modeling. Environmental Science and Pollution Research, 2018, 25, 31579-31592.	2.7	19
21	Diverse comparative studies for preferential binding of graphene oxide and transition metal oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129057.	2.3	19
22	Platinum-nanogaps for single-molecule electronics: room-temperature stability. Physical Chemistry Chemical Physics, 2011, 13, 14297.	1.3	17
23	Phosphoric Acid Activated Carbon from Melia azedarach Waste Sawdust for Adsorptive Removal of Reactive Orange 16: Equilibrium Modelling and Thermodynamic Analysis. Molecules, 2020, 25, 2118.	1.7	17
24	Photocatalytic Decolorization and Biocidal Applications of Nonmetal Doped TiO2: Isotherm, Kinetic Modeling and In Silico Molecular Docking Studies. Molecules, 2020, 25, 4468.	1.7	16
25	Exploring the Direction of Charge Transfer in Porphyrin â€“ PbSe Quantum Dot Hybrids. ChemistrySelect, 2016, 1, 1678-1686.	0.7	14
26	In situ formation of copper nanoparticles in a p(NIPAM-VAA-AAm) terpolymer microgel that retains the swelling behavior of microgels. Journal of Polymer Engineering, 2016, 36, 287-292.	0.6	12
27	A One-Pot Asymmetric Sequential Amination-Alkylation of Aldehydes: Expedient Synthesis of Aliphatic Chiral Amines. European Journal of Organic Chemistry, 2007, 2007, 959-964.	1.2	11
28	Plasmonic Effects, Size and Biological Activity Relationship of Au-Ag Alloy Nanoparticles. Journal of Nano Research, 0, 54, 98-111.	0.8	11
29	A new methodology for simultaneous comparison and optimization between nanoparticles and their drug conjugates against various multidrug-resistant bacterial strains. Asian Biomedicine, 2019, 13, 149-162.	0.2	10
30	Comparative effects of zinc oxide nanoparticles over the interfacial properties of low concentrations of ionic surfactants at interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 637, 128241.	2.3	9
31	A step forward toward quantum dots based perovskite solar cells in an ambient environment. Optical Materials, 2022, 129, 112538.	1.7	9
32	The effects of nanoclay on thermal, mechanical and rheological properties of LLDPE/chitosan blend. Journal of Polymer Engineering, 2017, 37, 143-149.	0.6	8
33	A simplistic approach to evaluate the power conversion efficiencies for hybrid charge transport layers in open-air fabricated perovskite solar cells. Journal of Materials Research, 2022, 37, 1323-1340.	1.2	7
34	Surface functionalization of solid state ultra-high molecular weight polyethylene through chemical grafting. Applied Surface Science, 2015, 359, 593-601.	3.1	6
35	Instability of magneto-hydro-dynamic flow of thermocapillary liquid layers of shear-thinning nanofluids with oxide nanoparticles in water. Case Studies in Thermal Engineering, 2021, 26, 100998.	2.8	6
36	Folic acid-functionalized nanoparticles-laden biomaterials for the improved oral delivery of hydrophobic drug in colorectal cancer. Journal of Drug Delivery Science and Technology, 2022, 71, 103287.	1.4	6

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37	Removal of Organic Colorants Using Nano Copper Antimony Oxychloride Synthesized by Non-solvated System. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 893-900.	1.9	4
38	PEGylated Protamine Letrozole Nanoparticles: A Promising Strategy to Combat Human Breast Cancer via MCF-7 Cell Lines. BioMed Research International, 2022, 2022, 1-7.	0.9	3