

# Farooq Ahmad

## List of Publications by Year in descending order

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30  
papers

945  
citations

394421

19  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	CT/MRI-Guided Synergistic Radiotherapy and X-ray Inducible Photodynamic Therapy Using Tb-Doped Gd-Nanoscintillators. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2017-2022.	13.8	82
2	An in vivo evaluation of acute toxicity of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) nanoparticles in larval-embryo Zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , 2015, 166, 21-28.	4.0	78
3	Quantum chemical analysis and molecular dynamics simulations to study the impact of electron-deficient substituents on electronic behavior of small molecule acceptors. <i>Computational and Theoretical Chemistry</i> , 2021, 1204, 113387.	2.5	71
4	Codoping Enhanced Radioluminescence of Nanoscintillators for X-ray-Activated Synergistic Cancer Therapy and Prognosis Using Metabolomics. <i>ACS Nano</i> , 2019, 13, 10419-10433.	14.6	62
5	Response Surface Methodology: An Emphatic Tool for Optimized Biodiesel Production Using Rice Bran and Sunflower Oils. <i>Energies</i> , 2012, 5, 3307-3328.	3.1	57
6	Systematic elucidation of interactive unfolding and corona formation of bovine serum albumin with cobalt ferrite nanoparticles. <i>RSC Advances</i> , 2016, 6, 35719-35730.	3.6	52
7	Evaluation of the toxicity of ZnO nanoparticles to <i>Chlorella vulgaris</i> by use of the chiral perturbation approach. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3689-3695.	3.7	50
8	Comprehensive spectroscopic probing the interaction and conformation impairment of bovine serum albumin (BSA) by herbicide butachlor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 332-339.	3.8	45
9	Machine learning-integrated omics for the risk and safety assessment of nanomaterials. <i>Biomaterials Science</i> , 2021, 9, 1598-1608.	5.4	44
10	Pitfalls and Challenges in Nanotoxicology: A Case of Cobalt Ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) Nanocomposites. <i>Chemical Research in Toxicology</i> , 2017, 30, 492-507.	3.3	43
11	W-doped TiO <sub>2</sub> nanoparticles with strong absorption in the NIR-II window for photoacoustic/CT dual-modal imaging and synergistic thermoradiotherapy of tumors. <i>Theranostics</i> , 2019, 9, 5214-5226.	10.0	38
12	Solvent effects on nonlinear optical response of certain tetramineruthenium(II) complexes of modified 1,10-phenanthrolines. <i>Canadian Journal of Chemistry</i> , 2013, 91, 1303-1309.	1.1	37
13	Toxicity of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) nanobeads in <i>Chlorella vulgaris</i> : Interaction, adaptation and oxidative stress. <i>Chemosphere</i> , 2015, 139, 479-485.	8.2	37
14	Evaluation of the toxicity of herbicide topramezone to <i>Chlorella vulgaris</i> : Oxidative stress, cell morphology and photosynthetic activity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 129-135.	6.0	36
15	Assessment of thyroid endocrine system impairment and oxidative stress mediated by cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) nanoparticles in zebrafish larvae. <i>Environmental Toxicology</i> , 2016, 31, 2068-2080.	4.0	25
16	Experimental and theoretical study of planar small molecule acceptor for organic solar cells. <i>Journal of Molecular Structure</i> , 2019, 1196, 169-175.	3.6	24
17	Graphene/graphitic carbon nitride decorated with AgBr to boost photoelectrochemical performance with enhanced catalytic ability. <i>Nanotechnology</i> , 2020, 31, 505602.	2.6	22
18	Extraction induced by emulsion breaking as a tool for simultaneous multi-element determination in used lubricating oils by ICP-MS. <i>Analytical Methods</i> , 2015, 7, 4493-4501.	2.7	21

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19	Toxicology and Metabolomics of Engineered Nanomaterials: Progress and Challenges. <i>Advanced Functional Materials</i> , 2019, 29, 1904268.	14.9	20
20	Carbon nanotubes heterojunction with graphene like carbon nitride for the enhancement of electrochemical and photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2022, 278, 125640.	4.0	17
21	Application of extraction induced by emulsion breaking for trace multi-element determination in jet fuel by inductively coupled plasma-mass spectrometry. <i>Spectroscopy Letters</i> , 2016, 49, 37-43.	1.0	15
22	Dispersive Liquid-Liquid Microextraction and Micro-Solid Phase Extraction for the Rapid Determination of Metals in Food and Environmental Waters. <i>Analytical Letters</i> , 2015, 48, 1787-1801.	1.8	13
23	CT/MRI-Guided Synergistic Radiotherapy and X-Ray Inducible Photodynamic Therapy Using Tb-Doped Gd-Nanoscintillators. <i>Angewandte Chemie</i> , 2019, 131, 2039-2044.	2.0	12
24	Probing the interaction induced conformation transitions in acid phosphatase with cobalt ferrite nanoparticles: Relation to inhibition and bio-activity of <i>Chlorella vulgaris</i> acid phosphatase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 338-346.	5.0	10
25	Oxidative Stress Response Induced by Butachlor in Zebrafish Embryo/Larvae: The Protective Effect of Vitamin C. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 208-215.	2.7	8
26	Untargeted metabolomics for Achilles heel of engineered nanomaterials' risk assessment. <i>Chemosphere</i> , 2021, 262, 128058.	8.2	8
27	Multielemental Analysis of Biodiesel by Dynamic Reaction Cell-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytical Letters</i> , 2016, 49, 2461-2473.	1.8	7
28	Respiratory syncytial virus F and G protein core fragments fused to HBsAg-binding protein (SBP) induce a Th1-dominant immune response without vaccine-enhanced disease. <i>International Immunology</i> , 2019, 31, 199-209.	4.0	4
29	Deciphering the mechanism of hafnium oxide nanoparticles perturbation in the bio-physiological microenvironment of catalase. <i>Nano Express</i> , 2020, 1, 030006.	2.4	4
30	Manganese-doped cesium iodide nanoparticles for multi-model bioimaging. <i>Materials Letters</i> , 2019, 256, 126630.	2.6	3