

# Mukeshchand R Thakur

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	1,787 citations	21 h-index	42 g-index
45 ext. papers	2,059 ext. citations	5.9 avg, IF	5.02 L-index

#	Paper	IF	Citations
43	Graphene-Based Nanomaterials in Cancer Therapy <b>2021</b> , 95-125		1
42	Graphene Nanomaterials for Multi-modal Bioimaging and Diagnosis of Cancer <b>2021</b> , 69-93		
41	Physicochemical Properties and Toxicity Analysis <b>2021</b> , 49-67		
40	Graphene-Based Nanomaterials: Introduction, Structure, Synthesis, Characterization, and Properties <b>2021</b> , 23-48		
39	Outlook, Challenges, and Future Perspectives <b>2021</b> , 127-132		
38	Wafer-Scale Fabrication of Nanopore Devices for Single-Molecule DNA Biosensing using MoS <sub>2</sub> . <i>Small Methods</i> , <b>2020</b> , 4, 2000072	12.8	21
37	Potential of Graphene Nanodots in Cellular Imaging and Raman Mapping. <i>Nano</i> , <b>2020</b> , 15, 2050098	1.1	1
36	Preparation of graphene oxide-graphene quantum dots hybrid and its application in cancer theranostics. <i>Materials Science and Engineering C</i> , <b>2019</b> , 103, 109774	8.3	38
35	Fabrication and practical applications of molybdenum disulfide nanopores. <i>Nature Protocols</i> , <b>2019</b> , 14, 1130-1168	18.8	49
34	Waveguide-Based Platform for Large-FOV Imaging of Optically Active Defects in 2D Materials. <i>ACS Photonics</i> , <b>2019</b> , 6, 3100-3107	6.3	5
33	Multi-fluorescent cationic carbon dots for solid-state fingerprinting. <i>Journal of Luminescence</i> , <b>2019</b> , 208, 428-436	3.8	19
32	Dragon fruit extract capped gold nanoparticles: Synthesis and their differential cytotoxicity effect on breast cancer cells. <i>Materials Letters</i> , <b>2019</b> , 236, 498-502	3.3	38
31	Cyclodextrin-stabilized Gold nanoclusters for bioimaging and selective label-free intracellular sensing of Co <sup>2+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 270-281	8.5	25
30	Evolution of thiol-capped gold nanoclusters into larger gold nanoparticles under electron beam irradiation. <i>Micron</i> , <b>2017</b> , 95, 1-6	2.3	12
29	Theranostic carbon dots @lathrate-like nanostructures for targeted photo-chemotherapy and bioimaging of cancer. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 56, 62-73	6.3	18
28	N-doped multi-fluorescent carbon dots for Turn off-on Silver-biothiol dual sensing and mammalian cell imaging application. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 248, 481-492	8.5	85
27	Multifunctional graphene quantum dots for combined photothermal and photodynamic therapy coupled with cancer cell tracking applications. <i>RSC Advances</i> , <b>2017</b> , 7, 5251-5261	3.7	89

26	Graphene Quantum Dots from <i>Mangifera indica</i> : Application in Near-Infrared Bioimaging and Intracellular Nanothermometry. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1382-1391	8.3	196
25	Graphene Quantum Dots for Cell Proliferation, Nucleus Imaging, and Photoluminescent Sensing Applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 15858	4.9	106
24	Tellurium platinate nanowires for photothermal therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3713-3720	7.3	20
23	Milk-derived multi-fluorescent graphene quantum dot-based cancer theranostic system. <i>Materials Science and Engineering C</i> , <b>2016</b> , 67, 468-477	8.3	95
22	Laser-assisted synthesis of multi-colored protein dots and their biological distribution in experimental mice using a dye tracking method. <i>RSC Advances</i> , <b>2015</b> , 5, 4051-4057	3.7	2
21	Biogenic Synthesis of Fluorescent Carbon Dots at Ambient Temperature Using <i>Azadirachta indica</i> (Neem) gum. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1103-7	2.4	26
20	Synthesis of highly fluorescent hydrophobic carbon dots by hot injection method using Paraplast as precursor. <i>Materials Science and Engineering C</i> , <b>2015</b> , 48, 700-3	8.3	41
19	A green route towards highly photoluminescent and cytocompatible carbon dot synthesis and its separation using sucrose density gradient centrifugation. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 9-14	2.4	33
18	Synthesis of mesoporous silica oxide/C-dot complex (meso-SiO <sub>2</sub> /C-dots) using pyrolysed rice husk and its application in bioimaging. <i>RSC Advances</i> , <b>2014</b> , 4, 1174-1179	3.7	41
17	Swarming carbon dots for folic acid mediated delivery of doxorubicin and biological imaging. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 698-705	7.3	150
16	Biogenic gold nano-triangles: cargos for anticancer drug delivery. <i>Materials Science and Engineering C</i> , <b>2014</b> , 44, 92-8	8.3	17
15	Facile Route to Generate Fuel Oil via Catalytic Pyrolysis of Waste Polypropylene Bags: Towards Waste Management of >20 Bn Plastic Bags. <i>Journal of Fuels</i> , <b>2014</b> , 2014, 1-10		5
14	Antibiotic conjugated fluorescent carbon dots as a theranostic agent for controlled drug release, bioimaging, and enhanced antimicrobial activity. <i>Journal of Drug Delivery</i> , <b>2014</b> , 2014, 282193	2.3	105
13	Colloidal Silver Nanoparticles from <i>Ocimum sanctum</i> : Synthesis, Separation and Their Implications on Pathogenic Microorganisms, Human Keratinocyte Cells, and <i>Allium cepa</i> Root Tips. <i>Journal of Colloid Science and Biotechnology</i> , <b>2014</b> , 3, 245-252		4
12	Understanding the stability of silver nanoparticles bio-fabricated using <i>Acacia arabica</i> (Babool gum) and its hostile effect on microorganisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 109, 344-7	4.4	21
11	Carbon dots functionalized gold nanorod mediated delivery of doxorubicin: tri-functional nano-worms for drug delivery, photothermal therapy and bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4972-4982	7.3	117
10	Folic acid mediated synapic delivery of doxorubicin using biogenic gold nanoparticles anchored to biological linkers. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1361-1370	7.3	45
9	Green synthesis of biocompatible carbon dots using aqueous extract of <i>Trapa bispinosa</i> peel. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 2914-7	8.3	202

8	Gold nanorods mediated controlled release of doxorubicin: nano-needles for efficient drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 1671-81	4.5	18
7	Biogenic gold nanoparticles as fotillas to fire berberine hydrochloride using folic acid as molecular road map. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 3716-22	8.3	33
6	A comparative study of economical separation and aggregation properties of biologically capped and thiol functionalized gold nanoparticles: selecting the eco-friendly trojan horses for biological applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 25-31	6	12
5	Cysteamine hydrochloride protected carbon dots as a vehicle for the efficient release of the anti-schizophrenic drug haloperidol. <i>RSC Advances</i> , <b>2013</b> , 3, 26290	3.7	33
4	A Novel One Pot Synthesis of Super Stable Silver Nanoparticles Using Natural Plant Exudate from <i>Azadirachta indica</i> (Neem Gum) and Their Inimical Effect on Pathogenic Microorganisms. <i>Journal of Bionanoscience</i> , <b>2013</b> , 7, 296-299		3
3	Rapid Biosynthesis of Silver Nanoparticles by Exploiting the Reducing Potential of <i>Trapa bispinosa</i> Peel Extract. <i>Journal of Nanoscience</i> , <b>2013</b> , 2013, 1-9		16
2	A Novel Report on Assessing pH Dependent Role of Nitrate Reductase on Green Biofabrication of Gold Nanoplates and Nanocubes. <i>Journal of Bionanoscience</i> , <b>2013</b> , 7, 174-180		10
1	Synthesis and Centrifugal Separation of Fluorescent Carbon Dots at Room Temperature. <i>Nanoscience and Nanotechnology Letters</i> , <b>2013</b> , 5, 775-779	0.8	34