Mukeshchand R Thakur

List of Publications by Citations

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	Green synthesis of biocompatible carbon dots using aqueous extract of Trapa bispinosa peel. *Materials Science and Engineering C*, **2013**, 33, 2914-7	8.3	202
42	Graphene Quantum Dots from Mangifera indica: Application in Near-Infrared Bioimaging and Intracellular Nanothermometry. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1382-1391	8.3	196
41	Swarming carbon dots for folic acid mediated delivery of doxorubicin and biological imaging. *Journal of Materials Chemistry B*, **2014**, 2, 698-705	7.3	150
40	Carbon dots functionalized gold nanorod mediated delivery of doxorubicin: tri-functional nano-worms for drug delivery, photothermal therapy and bioimaging. *Journal of Materials Chemistry B*, **2013**, 1, 4972-4982	7.3	117
39	Graphene Quantum Dots for Cell Proliferation, Nucleus Imaging, and Photoluminescent Sensing Applications. *Scientific Reports*, **2017**, 7, 15858	4.9	106
38	Antibiotic conjugated fluorescent carbon dots as a theranostic agent for controlled drug release, bioimaging, and enhanced antimicrobial activity. *Journal of Drug Delivery*, **2014**, 2014, 282193	2.3	105
37	Milk-derived multi-fluorescent graphene quantum dot-based cancer theranostic system. *Materials Science and Engineering C*, **2016**, 67, 468-477	8.3	95
36	Multifunctional graphene quantum dots for combined photothermal and photodynamic therapy coupled with cancer cell tracking applications. *RSC Advances*, **2017**, 7, 5251-5261	3.7	89
35	N-doped multi-fluorescent carbon dots for turn off-on silver-biothiol dual sensing and mammalian cell imaging application. *Sensors and Actuators B: Chemical*, **2017**, 248, 481-492	8.5	85
34	Fabrication and practical applications of molybdenum disulfide nanopores. *Nature Protocols*, **2019**, 14, 1130-1168	18.8	49
33	Folic acid mediated synaphic delivery of doxorubicin using biogenic gold nanoparticles anchored to biological linkers. *Journal of Materials Chemistry B*, **2013**, 1, 1361-1370	7.3	45
32	Synthesis of highly fluorescent hydrophobic carbon dots by hot injection method using Paraplast as precursor. *Materials Science and Engineering C*, **2015**, 48, 700-3	8.3	41
31	Synthesis of mesoporous silica oxide/C-dot complex (meso-SiO2/C-dots) using pyrolysed rice husk and its application in bioimaging. *RSC Advances*, **2014**, 4, 1174-1179	3.7	41
30	Preparation of graphene oxide-graphene quantum dots hybrid and its application in cancer theranostics. *Materials Science and Engineering C*, **2019**, 103, 109774	8.3	38
29	Dragon fruit extract capped gold nanoparticles: Synthesis and their differential cytotoxicity effect on breast cancer cells. *Materials Letters*, **2019**, 236, 498-502	3.3	38
28	Synthesis and Centrifugal Separation of Fluorescent Carbon Dots at Room Temperature. *Nanoscience and Nanotechnology Letters*, **2013**, 5, 775-779	0.8	34
27	A green route towards highly photoluminescent and cytocompatible carbon dot synthesis and its separation using sucrose density gradient centrifugation. *Journal of Fluorescence*, **2015**, 25, 9-14	2.4	33

26	Biogenic gold nanoparticles as fotillas to fire berberine hydrochloride using folic acid as molecular road map. *Materials Science and Engineering C*, **2013**, 33, 3716-22	8.3	33
25	Cysteamine hydrochloride protected carbon dots as a vehicle for the efficient release of the anti-schizophrenic drug haloperidol. *RSC Advances*, **2013**, 3, 26290	3.7	33
24	Biogenic Synthesis of Fluorescent Carbon Dots at Ambient Temperature Using Azadirachta indica (Neem) gum. *Journal of Fluorescence*, **2015**, 25, 1103-7	2.4	26
23	Cyclodextrin-stabilized Gold nanoclusters for bioimaging and selective label-free intracellular sensing of Co2+ ions. *Sensors and Actuators B: Chemical*, **2018**, 262, 270-281	8.5	25
22	Wafer-Scale Fabrication of Nanopore Devices for Single-Molecule DNA Biosensing using MoS2. *Small Methods*, **2020**, 4, 2000072	12.8	21
21	Understanding the stability of silver nanoparticles bio-fabricated using Acacia arabica (Babool gum) and its hostile effect on microorganisms. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 109, 344-7	4.4	21
20	Tellurium platinate nanowires for photothermal therapy of cancer cells. *Journal of Materials Chemistry B*, **2016**, 4, 3713-3720	7.3	20
19	Multi-fluorescent cationic carbon dots for solid-state fingerprinting. *Journal of Luminescence*, **2019**, 208, 428-436	3.8	19
18	Theranostic carbon dots clathrate-like nanostructures for targeted photo-chemotherapy and bioimaging of cancer. *Journal of Industrial and Engineering Chemistry*, **2017**, 56, 62-73	6.3	18
17	Gold nanorods mediated controlled release of doxorubicin: nano-needles for efficient drug delivery. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 1671-81	4.5	18
16	Biogenic gold nano-triangles: cargos for anticancer drug delivery. *Materials Science and Engineering C*, **2014**, 44, 92-8	8.3	17
15	Rapid Biosynthesis of Silver Nanoparticles by Exploiting the Reducing Potential of Trapa bispinosa Peel Extract. *Journal of Nanoscience*, **2013**, 2013, 1-9		16
14	Evolution of thiol-capped gold nanoclusters into larger gold nanoparticles under electron beam irradiation. *Micron*, **2017**, 95, 1-6	2.3	12
13	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. *Colloids and Surfaces B: Biointerfaces*, **2013**, 109, 25-31	6	12
12	A Novel Report on Assessing pH Dependent Role of Nitrate Reductase on Green Biofabrication of Gold Nanoplates and Nanocubes. *Journal of Bionanoscience*, **2013**, 7, 174-180		10
11	Waveguide-Based Platform for Large-FOV Imaging of Optically Active Defects in 2D Materials. *ACS Photonics*, **2019**, 6, 3100-3107	6.3	5
10	Facile Route to Generate Fuel Oil via Catalytic Pyrolysis of Waste Polypropylene Bags: Towards Waste Management of >20 th Plastic Bags. *Journal of Fuels*, **2014**, 2014, 1-10		5
9	Colloidal Silver Nanoparticles from Ocimum sanctum: Synthesis, Separation and Their Implications on Pathogenic Microorganisms, Human Keratinocyte Cells, and Allium cepa Root Tips. *Journal of Colloid Science and Biotechnology*, **2014**, 3, 245-252		4

8	A Novel One Pot Synthesis of Super Stable Silver Nanoparticles Using Natural Plant Exudate from Azadirachta indica (Neem Gum) and Their Inimical Effect on Pathogenic Microorganisms. *Journal of Bionanoscience*, **2013**, 7, 296-299		3
7	Laser-assisted synthesis of multi-colored protein dots and their biological distribution in experimental mice using a dye tracking method. *RSC Advances*, **2015**, 5, 4051-4057	3.7	2
6	Potential of Graphene Nanodots in Cellular Imaging and Raman Mapping. *Nano*, **2020**, 15, 2050098	1.1	1
5	Graphene-Based Nanomaterials in Cancer Therapy **2021**, 95-125		1
4	Graphene Nanomaterials for Multi-modal Bioimaging and Diagnosis of Cancer **2021**, 69-93		
3	Physicochemical Properties and Toxicity Analysis **2021**, 49-67		
2	Graphene-Based Nanomaterials: Introduction, Structure, Synthesis, Characterization, and Properties **2021**, 23-48		
1	Outlook, Challenges, and Future Perspectives **2021**, 127-132		