

Vinay Sharma

List of Publications by Citations

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29
papers

779
citations

15
h-index

27
g-index

30
ext. papers

973
ext. citations

6.7
avg, IF

4.9
L-index

#	Paper	IF	Citations
29	Sustainable carbon-dots: recent advances in green carbon dots for sensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8904-8924	7.3	245
28	Cytocompatible peroxidase mimic CuO:graphene nanosphere composite as colorimetric dual sensor for hydrogen peroxide and cholesterol with its logic gate implementation. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 338-348	8.5	58
27	Multifunctional fluorescent Off-On-Off nanosensor for Au ³⁺ and S ²⁻ employing N-S co-doped carbon dots. <i>Carbon</i> , 2018 , 139, 393-403	10.4	54
26	Anticancer Activity of Iridium(III) Complexes Based on a Pyrazole-Appended Quinoline-Based BODIPY. <i>Inorganic Chemistry</i> , 2017 , 56, 12232-12247	5.1	46
25	The development of fluorescence turn-on probe for Al(III) sensing and live cell nucleus-nucleoli staining. <i>Scientific Reports</i> , 2016 , 6, 34807	4.9	33
24	The synthesis and characterization of carbon dots and their application in dye sensitized solar cell. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14580-14587	6.7	32
23	Migna radiata based green C-dots: Photo-triggered theranostics, fluorescent sensor for extracellular and intracellular iron (III) and multicolor live cell imaging probe. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 275-286	8.5	31
22	Full color emitting fluorescent carbon material as reversible pH sensor with multicolor live cell imaging. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 182, 137-145	6.7	28
21	Varying structural motifs in the salen based metal complexes of Co(ii), Ni(ii) and Cu(ii): synthesis, crystal structures, molecular dynamics and biological activities. <i>Dalton Transactions</i> , 2016 , 45, 19096-19108	4.3	28
20	A highly selective, sensitive and reversible fluorescence chemosensor for Zn(2+) and its cell viability. <i>Dalton Transactions</i> , 2016 , 45, 3927-35	4.3	27
19	Bioinspired carbon dots: from rose petals to tunable emissive nanodots. <i>Nanoscale Advances</i> , 2019 , 1, 1290-1296	5.1	26
18	Metal-organic framework based antibiotic release and antimicrobial response: an overview. <i>CrystEngComm</i> , 2020 , 22, 7513-7527	3.3	22
17	Fabrication of innovative ZnO nanoflowers showing drastic biological activity. <i>New Journal of Chemistry</i> , 2016 , 40, 2145-2155	3.6	20
16	Excitation wavelength based reversible multicolour photoluminescence by a single chromophore upon aggregation: Detection of picric acid-application in bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 613-622	8.5	19
15	Pyrazole appended quinoline-BODIPY based arene ruthenium complexes: their anticancer activity and potential applications in cellular imaging. <i>Dalton Transactions</i> , 2018 , 47, 17500-17514	4.3	19
14	1,8-Naphthalimide-Substituted BODIPY Dyads: Synthesis, Structure, Properties, and Live-Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2881-2890	4.5	15
13	Cannabis sativa-derived carbon dots co-doped with NB: highly efficient nanosensors for temperature and vitamin B12. <i>New Journal of Chemistry</i> , 2019 , 43, 17058-17068	3.6	15

12	AIE active piperazine appended naphthalimide-BODIPYs: photophysical properties and applications in live cell lysosomal tracking. <i>Analyst, The</i> , 2018 , 144, 331-341	5	14
11	Sustainable Graphene Production: New Insights into Cannabis sativa Engineered Carbon Dots Based Exfoliating Agent for Facile Production of Graphene. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11500-11510	8.3	11
10	Aggregation tailored emission of a benzothiazole based derivative: photostable turn on bioimaging.. <i>RSC Advances</i> , 2019 , 9, 39970-39975	3.7	10
9	Optical nanosensors based on fluorescent carbon dots for the detection of water contaminants: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3229-3241	13.3	7
8	Recent advances in near infrared light responsive multi-functional nanostructures for phototheranostic applications. <i>Biomaterials Science</i> , 2021 , 9, 5472-5483	7.4	5
7	High-yield graphene produced from the synergistic effect of inflated temperature and gelatin offers high stability and cellular compatibility. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20096-20107	3.6	4
6	The emergence of carbon-dots for optical molecular electronics: from sensors to logic gates, memory devices, and security. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 16828-16842	7.1	3
5	Pressure-Biased Nanopores for Excluded Volume Metrology, Lipid Biomechanics, and Cell-Adhesion Rupturing. <i>ACS Nano</i> , 2021 ,	16.7	2
4	Carbon Nanolights as Optical Nanosensors for Water Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 157-196	0.8	2
3	Constricted Apertures for Dynamic Trapping and Micro-/Nanoscale Discrimination Based on Recapture Kinetics. <i>Nano Letters</i> , 2021 , 21, 3364-3371	11.5	2
2	Photoactivatable carbon dots as a label-free fluorescent probe for picric acid detection and light-induced bacterial inactivation.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022 , 229, 112412	6.7	1
1	DNA Coil Dynamics and Hydrodynamic Gating of Pressure-Biased Nanopores.. <i>Small</i> , 2022 , e2106803	11	0