

Vinay Sharma

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1149113/vinay-sharma-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	DNA Coil Dynamics and Hydrodynamic Gating of Pressure-Biased Nanopores.. <i>Small</i> , 2022 , e2106803	11	0
28	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
27	Pressure-Biased Nanopores for Excluded Volume Metrology, Lipid Biomechanics, and Cell-Adhesion Rupturing. <i>ACS Nano</i> , 2021 ,	16.7	2
26	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
25	Constricted Apertures for Dynamic Trapping and Micro-/Nanoscale Discrimination Based on Recapture Kinetics. <i>Nano Letters</i> , 2021 , 21, 3364-3371	11.5	2
24	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
23	Recent advances in near infrared light responsive multi-functional nanostructures for phototheranostic applications. <i>Biomaterials Science</i> , 2021 , 9, 5472-5483	7.4	5
22	Carbon Nanolights as Optical Nanosensors for Water Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 157-196	0.8	2
21	Metal-organic framework based antibiotic release and antimicrobial response: an overview. <i>CrystEngComm</i> , 2020 , 22, 7513-7527	3.3	22
20	Bioinspired carbon dots: from rose petals to tunable emissive nanodots. <i>Nanoscale Advances</i> , 2019 , 1, 1290-1296	5.1	26
19	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
18	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
17	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
16	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
15	Aggregation tailored emission of a benzothiazole based derivative: photostable turn on bioimaging.. <i>RSC Advances</i> , 2019 , 9, 39970-39975	3.7	10
14	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
13	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

12	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
11	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
10	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
9	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
8	Multifunctional fluorescent Off-On-Off-On nanosensor for Au ³⁺ and S ²⁻ employing N-S co-doped carbon dots. <i>Carbon</i> , 2018 , 139, 393-403	10.4	54
7	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
6	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
5	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
4	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
3	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
2	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
1	Fabrication of innovative ZnO nanoflowers showing drastic biological activity. <i>New Journal of Chemistry</i> , 2016 , 40, 2145-2155	3.6	20