Satyapriya Bhandari

List of Publications by Year
in descending order

31 papers	713 citations	516710 16 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	943 citing authors

#	Article	IF	Citations
1	Gold Nanocluster Embedded Albumin Nanoparticles for Twoâ€Photon Imaging of Cancer Cells Accompanying Drug Delivery. Small, 2015, 11, 4075-4081.	10.0	132
2	The pH Taxis of an Intelligent Catalytic Microbot. Small, 2013, 9, 1916-1920.	10.0	102
3	Gold Nanocluster and Quantum Dot Complex in Protein for Biofriendly White-Light-Emitting Material. ACS Applied Materials & Interfaces, 2016, 8, 1600-1605.	8.0	48
4	Synchronous Tricolor Emission-Based White Light from Quantum Dot Complex. Journal of Physical Chemistry Letters, 2015, 6, 1270-1274.	4.6	43
5	Biomolecule-derived quantum dots for sustainable optoelectronics. Nanoscale Advances, 2019, 1, 913-936.	4.6	42
6	Enhanced photoluminescence and thermal stability of zinc quinolate following complexation on the surface of quantum dots. RSC Advances, 2014, 4, 24217.	3.6	28
7	Surface Complexation-Based Biocompatible Magnetofluorescent Nanoprobe for Targeted Cellular Imaging. ACS Applied Materials & Interfaces, 2015, 7, 17552-17557.	8.0	27
8	Surface Ion Engineering of Mn²⁺-Doped ZnS Quantum Dots Using Ion-Exchange Resins. Langmuir, 2012, 28, 9722-9728.	3.5	24
9	Surface Complexed ZnO Quantum Dot for White Light Emission with Controllable Chromaticity and Color Temperature. Langmuir, 2017, 33, 14627-14633.	3.5	24
10	Double Channel Emission from a Redox Active Single Component Quantum Dot Complex. Langmuir, 2015, 31, 551-561.	3.5	21
11	A two-target responsive reversible ratiometric pH nanoprobe: a white light emitting quantum dot complex. Chemical Communications, 2019, 55, 4331-4334.	4.1	20
12	A dual-emitting quantum dot complex nanoprobe for ratiometric and visual detection of Hg²⁺ and Cu²⁺ ions. Journal of Materials Chemistry C, 2020, 8, 6972-6976.	5.5	20
13	Surface ion engineering for tuning dual emission of ZnxCd1â^'xS nanocrystals. RSC Advances, 2013, 3, 2885.	3.6	19
14	Crystalline nanoscale assembly of gold clusters for reversible storage and sensing of CO₂via modulation of photoluminescence intermittency. Journal of Materials Chemistry C, 2018, 6, 8205-8211.	5.5	18
15	Zinc quinolate complex decorated CuInS₂/ZnS core/shell quantum dots for white light emission. Journal of Materials Chemistry C, 2017, 5, 7291-7296.	5.5	17
16	A White Lightâ€Emitting Quantum Dot Complex for Single Particle Level Interaction with Dopamine Leading to Changes in Color and Blinking Profile. Small, 2018, 14, e1800323.	10.0	16
17	Engineering Quantum Dots with Ionic Liquid: A Multifunctional White Light Emitting Hydrogel for Enzyme Packaging. Advanced Optical Materials, 2020, 8, 1902022.	7.3	16
18	Surface Complexation Reaction for Phase Transfer of Hydrophobic Quantum Dot from Nonpolar to Polar Medium. Langmuir, 2014, 30, 10760-10765.	3.5	15

#	Article	IF	Citations
19	Quantum Dot Surface Mediated Unprecedented Reaction of Zn²⁺ and Copper Quinolate Complex. Journal of Physical Chemistry C, 2015, 119, 21191-21197.	3.1	14
20	Chemical Reactions Involving the Surface of Metal Chalcogenide Quantum Dots. Langmuir, 2019, 35, 14399-14413.	3.5	14
21	Enhanced Luminescence of a Quantum Dot Complex Following Interaction with Protein for Applications in Cellular Imaging, Sensing, and White-Light Generation. ACS Applied Nano Materials, 2019, 2, 2358-2366.	5.0	10
22	A Ratiometric and Visual Sensing of Phosphate by White Light Emitting Quantum Dot Complex. Langmuir, 2021, 37, 5506-5512.	3.5	8
23	Dynamics of a bifunctional motor under crowded conditions. Materials Today Communications, 2021, 28, 102504.	1.9	8
24	The quantum dot-FRET-based detection of vitamin B12 at a picomolar level. Nanoscale Advances, 2020, 2, 3809-3814.	4.6	7
25	Luminescence Enhancement based Sensing of Lâ€Cysteine by Doped Quantum Dots. Chemistry - an Asian Journal, 2020, 15, 1948-1952.	3.3	6
26	The nature of binding of quinolate complex on the surface of ZnS quantum dots. Physical Chemistry Chemical Physics, 2019, 21, 589-596.	2.8	5
27	Recognition and ratiometric visual sensing of long-chain unsaturated fatty acids by a white-light-emitting quantum-dot complex. Journal of Materials Chemistry C, 2021, 9, 13810-13817.	5.5	4
28	Hueâ€•and Chromaticityâ€Based Exploration of Surface Complexationâ€Induced Tunable Emission from Nonâ€Luminescent Quantum Dots. Chemistry - an Asian Journal, 2019, 14, 3823-3829.	3.3	2
29	Physical insights into the facilitation of an unprecedented complexation reaction on the surface of a doped quantum dot leading to white light generation. Physical Chemistry Chemical Physics, 2021, 23, 9860-9866.	2.8	2
30	Surface-modified quantum dots for advanced sensing applications. , 2022, , 243-282.		1
31	Drug Delivery: Gold Nanocluster Embedded Albumin Nanoparticles for Two-Photon Imaging of Cancer Cells Accompanying Drug Delivery (Small 33/2015). Small, 2015, 11, 4074-4074.	10.0	0