

Shilaj Roy

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

274
citations

840776

11
h-index

888059

17
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19
all docs

19
docs citations

19
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronous Tricolor Emission-Based White Light from Quantum Dot Complex. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1270-1274.	4.6	43
2	Enhanced photoluminescence and thermal stability of zinc quinolate following complexation on the surface of quantum dots. <i>RSC Advances</i> , 2014, 4, 24217.	3.6	28
3	Surface Complexed ZnO Quantum Dot for White Light Emission with Controllable Chromaticity and Color Temperature. <i>Langmuir</i> , 2017, 33, 14627-14633.	3.5	24
4	Double Channel Emission from a Redox Active Single Component Quantum Dot Complex. <i>Langmuir</i> , 2015, 31, 551-561.	3.5	21
5	A two-target responsive reversible ratiometric pH nanoprobe: a white light emitting quantum dot complex. <i>Chemical Communications</i> , 2019, 55, 4331-4334.	4.1	20
6	A dual-emitting quantum dot complex nanoprobe for ratiometric and visual detection of Hg ²⁺ and Cu ²⁺ ions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6972-6976.	5.5	20
7	A White Light-Emitting Quantum Dot Complex for Single Particle Level Interaction with Dopamine Leading to Changes in Color and Blinking Profile. <i>Small</i> , 2018, 14, e1800323.	10.0	16
8	Engineering Quantum Dots with Ionic Liquid: A Multifunctional White Light Emitting Hydrogel for Enzyme Packaging. <i>Advanced Optical Materials</i> , 2020, 8, 1902022.	7.3	16
9	Surface Complexation Reaction for Phase Transfer of Hydrophobic Quantum Dot from Nonpolar to Polar Medium. <i>Langmuir</i> , 2014, 30, 10760-10765.	3.5	15
10	Quantum Dot Surface Mediated Unprecedented Reaction of Zn ²⁺ and Copper Quinolate Complex. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21191-21197.	3.1	14
11	Chemical Reactions Involving the Surface of Metal Chalcogenide Quantum Dots. <i>Langmuir</i> , 2019, 35, 14399-14413.	3.5	14
12	Enhanced Luminescence of a Quantum Dot Complex Following Interaction with Protein for Applications in Cellular Imaging, Sensing, and White-Light Generation. <i>ACS Applied Nano Materials</i> , 2019, 2, 2358-2366.	5.0	10
13	A Ratiometric and Visual Sensing of Phosphate by White Light Emitting Quantum Dot Complex. <i>Langmuir</i> , 2021, 37, 5506-5512.	3.5	8
14	The quantum dot-FRET-based detection of vitamin B12 at a picomolar level. <i>Nanoscale Advances</i> , 2020, 2, 3809-3814.	4.6	7
15	Luminescence Enhancement based Sensing of L-Cysteine by Doped Quantum Dots. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1948-1952.	3.3	6
16	The nature of binding of quinolate complex on the surface of ZnS quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 589-596.	2.8	5
17	Complex Transfer Reaction from ZnO to ZnS Quantum Dots Driven by Surface Anions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9939-9946.	3.1	3
18	Hue- and Chromaticity-Based Exploration of Surface Complexation-Induced Tunable Emission from Non-Luminescent Quantum Dots. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3823-3829.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Physical insights into the facilitation of an unprecedented complexation reaction on the surface of a doped quantum dot leading to white light generation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9860-9866.	2.8	2