

Siddhartha Pal

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

866
citations

471509

17
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	A new fluorogenic probe for the selective detection of carbon monoxide in aqueous medium based on Pd(0) mediated reaction. <i>Chemical Communications</i> , 2015, 51, 4410-4413.	4.1	107
2	A rhodamine-based "turn-on" Al ³⁺ ion-selective reporter and the resultant complex as a secondary sensor for F ⁻ ion are applicable to living cell staining. <i>Dalton Transactions</i> , 2015, 44, 8708-8717.	3.3	76
3	Selective and Sensitive Turn-on Chemosensor for Arsenite Ion at the ppb Level in Aqueous Media Applicable in Cell Staining. <i>Analytical Chemistry</i> , 2014, 86, 11357-11361.	6.5	54
4	A fluorescent probe for the selective detection of creatinine in aqueous buffer applicable to human blood serum. <i>Chemical Communications</i> , 2016, 52, 13706-13709.	4.1	52
5	Effect of metal oxidation state on FRET: a Cu(I) silent but selectively Cu(II) responsive fluorescent reporter and its bioimaging applications. <i>Dalton Transactions</i> , 2015, 44, 1761-1768.	3.3	46
6	A naphthalene-pyrazol conjugate: Al(III) ion-selective blue shifting chemosensor applicable as biomarker in aqueous solution. <i>Analyst, The</i> , 2014, 139, 4828-4835.	3.5	44
7	Development of a rhodamine-benzimidazol hybrid derivative as a novel FRET based chemosensor selective for trace level water. <i>RSC Advances</i> , 2014, 4, 21608-21611.	3.6	43
8	A new turn-on benzimidazole-based greenish-yellow fluorescent sensor for Zn ²⁺ ions at biological pH applicable in cell imaging. <i>New Journal of Chemistry</i> , 2017, 41, 7583-7590.	2.8	43
9	A water soluble FRET-based ratiometric chemosensor for Hg(II) and S ²⁻ applicable in living cell staining. <i>RSC Advances</i> , 2014, 4, 14919-14927.	3.6	41
10	Effect of substituents on FRET in rhodamine based chemosensors selective for Hg ²⁺ ions. <i>Analyst, The</i> , 2014, 139, 1628.	3.5	39
11	A turn-on green channel Zn ²⁺ sensor and the resulting zinc(II) complex as a red channel HPO ₄ ²⁻ ion sensor: a new approach. <i>RSC Advances</i> , 2017, 7, 25528-25534.	3.6	37
12	A water soluble copper(II) complex as a HSO ₄ ⁻ ion selective turn-on fluorescent sensor applicable in living cell imaging. <i>RSC Advances</i> , 2015, 5, 50532-50539.	3.6	30
13	A FRET-based "off-on" molecular switch: an effective design strategy for the selective detection of nanomolar Al ³⁺ ions in aqueous media. <i>RSC Advances</i> , 2014, 4, 21471-21478.	3.6	29
14	A cell permeable Cr ³⁺ selective chemosensor and its application in living cell imaging. <i>RSC Advances</i> , 2013, 3, 19978.	3.6	26
15	A cell-penetrating peptide induces the self-reproduction of phospholipid vesicles: understanding the role of the bilayer rigidity. <i>Chemical Communications</i> , 2018, 54, 11451-11454.	4.1	22
16	A new rhodamine based "turn-on" Cu ²⁺ Cu ²⁺ ion selective chemosensor in aqueous system applicable in bioimaging. <i>Journal of Chemical Sciences</i> , 2017, 129, 1423-1430.	1.5	20
17	Substituent effect on fluorescence signaling of the cell permeable HSO ₄ ⁻ receptors through single point to ratiometric response in green solvent. <i>RSC Advances</i> , 2014, 4, 27665-27673.	3.6	19
18	Development of a cell permeable ratiometric chemosensor and biomarker for hydrogen sulphate ions in aqueous solution. <i>RSC Advances</i> , 2014, 4, 15356-15362.	3.6	17

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19	Selective and sensitive turn-on chemosensor for Al(ⁱⁱⁱ) ions applicable in living organisms: nanomolar detection in aqueous medium. <i>RSC Advances</i> , 2015, 5, 72508-72514.	3.6	17
20	Development of a cell permeable red-shifted CHEF-based chemosensor for Al ³⁺ ion by controlling PET. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 11-16.	3.9	15
21	Understanding the Difference in Photophysical Properties of Cyclometalated Iridium(III) and Rhodium(III) Complexes by Detailed Time-Dependent Density Functional Theory and Frontier Molecular Orbital Supports. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11632-11642.	3.1	15
22	A quinazoline derivative as quick-response red-shifted reporter for nanomolar Al ³⁺ and applicable to living cell staining. <i>RSC Advances</i> , 2014, 4, 64014-64020.	3.6	14
23	Self-assembling behavior of pyrimidine analogues: Unveiling the factors behind morphological diversity. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 63-73.	9.4	12
24	Naphthalimide-Based Turn-On Fluorosensor for Aqueous Sulfide Ions for Staining in Living Cells. <i>ChemistrySelect</i> , 2017, 2, 9977-9983.	1.5	10
25	A bio-attuned ratiometric hydrogen sulfate ion selective receptor in aqueous solvent: structural proof of the H-bonded adduct. <i>RSC Advances</i> , 2015, 5, 4468-4474.	3.6	9
26	Light-induced morphological transition between unconjugated bilirubin photoisomers. <i>Soft Matter</i> , 2018, 14, 8325-8332.	2.7	7
27	Aging-Dependent Morphological Crystallinity Determines Membrane Activity of α -Phenylalanine Self-Assembles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8585-8591.	4.6	7
28	Al ³⁺ -Ion-Triggered Conformational Isomerization of a Rhodamine B Derivative Evidenced by a Fluorescence Signal - A Crystallographic Proof. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1383-1389.	2.0	6
29	Graphene Oxide Functionalized with 5-Aminophenanthroline for Selective Detection of Adenine through Fluorescence "Turn-Off" Response. <i>ACS Applied Nano Materials</i> , 2020, 3, 3532-3539.	5.0	6
30	Preparation, structural characterization, and evaluation of ion-exchange behavior of a new polyoxometalate, [Me ₂ NH ₂] ₃ [Mo ₁₂ O ₄₀ S] in separation of carrier-free ⁹⁰ Y from ⁹⁰ Sr. <i>Applied Radiation and Isotopes</i> , 2016, 118, 297-301.	1.5	3