Kalyan K Sadhu

List of Publications by Year
in descending order

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		687363	610901
38	606	13	24
papers	citations	h-index	g-index

41	41	41	714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Syntheses of metal oxide-gold nanocomposites for biological applications. Results in Chemistry, 2022, 4, 100288.	2.0	5
2	Methionine-Controlled Impediment of Secondary Nucleation Leading to Nonclassical Growth within Self-Assembled De Novo Gold Nanoparticles. Langmuir, 2022, 38, 5865-5873.	3.5	4
3	Diverse interactions of aggregated insulin with selected coumarin dyes: Time dependent fluorogenicity, simulation studies and comparison with thioflavin T. Dyes and Pigments, 2021, 184, 108796.	3.7	1
4	Green Synthesis of Luminescent Gold-Zinc Oxide Nanocomposites: Cell Imaging and Visible Lightâ€“Induced Dye Degradation. Frontiers in Chemistry, 2021, 9, 639090.	3.6	12
5	Two instantaneous fluorogenic steps for detection of nanomolar amyloid beta monomer and its interaction with stoichiometric copper(II) ion. Sensors and Actuators B: Chemical, 2020, 303, 127086.	7.8	7
6	Caprinâ€1 Promotes Cellular Uptake of Nucleic Acids with Backbone and Sequence Discrimination. Helvetica Chimica Acta, 2020, 103, e1900255.	1.6	4
7	Frontispiece: Selective Release of Doxorubicin from Cucurbit[8]uril Stabilized Gold Supraâ€Pyramid Host at pH of Small Intestine. Chemistry - A European Journal, 2020, 26, .	3.3	0
8	Selective Release of Doxorubicin from Cucurbit[8]uril Stabilized Gold Supraâ€Pyramid Host at pH of Small Intestine. Chemistry - A European Journal, 2020, 26, 15150-15158.	3.3	4
9	Time-Dependent Growth of Gold Nanoparticles: Experimental Correlation of van der Waals Contact between DNA and Amino Acids with Polar Uncharged Side Chains. Journal of Physical Chemistry C, 2019, 123, 20319-20324.	3.1	4
10	Citrate Stabilized Auâ€FexOy Nanocomposites for Variable Exchange Bias, Catalytic Properties and Reversible Interaction with Doxorubicin. ChemistrySelect, 2019, 4, 8237-8245.	1.5	3
11	Gold Nanoflower for Selective Detection of Single Arginine Effect in Î±-Helix Conformational Change over Lysine in 3₁₀-Helix Peptide. Bioconjugate Chemistry, 2019, 30, 1781-1787.	3.6	7
12	Tryptophan-Stabilized Auâ€“Fe_xO_y Nanocomposites as Electrocatalysts for Oxygen Evolution Reaction. ACS Omega, 2019, 4, 3385-3391.	3.5	4
13	Formation of Growthâ€Mediated Gold Nanoflowers: Roles of the Reducing Agent and Amineâ€Modified, Singleâ€Strand DNA Sequences. ChemPlusChem, 2019, 84, 112-118.	2.8	6
14	Regioisomeric cryptand stabilized gold supraspheres and elongated dodecahedron supraparticles for reversible hostâ€“guest chemistry. Chemical Communications, 2018, 54, 12836-12839.	4.1	10
15	Fluorogen-free aggregation induced NIR emission from gold nanoparticles. Chemical Communications, 2017, 53, 6199-6202.	4.1	8
16	Highly selective tridentate fluorescent probes for visualizing intracellular Mg2+ dynamics without interference from Ca2+ fluctuation. Chemical Communications, 2017, 53, 10644-10647.	4.1	24
17	Nucleic Acid Templated Chemical Reaction in a Live Vertebrate. ACS Central Science, 2016, 2, 394-400.	11.3	71
18	In cellulo protein labelling with Ru-conjugate for luminescence imaging and bioorthogonal photocatalysis. Chemical Communications, 2015, 51, 16664-16666.	4.1	35

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19	pH Induced dual â€œOFFâ€“ONâ€“OFFâ€•switch: influence of a suitably placed carboxylic acid. Organic and Biomolecular Chemistry, 2013, 11, 563-568.	2.8	23
20	Selective affinity-based probe for oncogenic kinases suitable for live cell imaging. Chemical Science, 2013, 4, 2088.	7.4	22
21	Detection of miRNA in Live Cells by Using Templated Ru^{II}â€Catalyzed Unmasking of a Fluorophore. Chemistry - A European Journal, 2013, 19, 8182-8189.	3.3	83
22	Nucleic Acid-tagged Peptides: Encoding Libraries and Controlling Dimerization and Conformation. Chimia, 2013, 67, 905-909.	0.6	6
23	DNA as a Platform to Program Assemblies with Emerging Functions in Chemical Biology. Israel Journal of Chemistry, 2013, 53, 75-86.	2.3	19
24	Photoreductive Uncaging of Fluorophore in Response to Protein Oligomers by Templated Reaction in Vitro and in Cellulo. Journal of the American Chemical Society, 2012, 134, 20013-20016.	13.7	61
25	Fluorogenic Protein Labeling through Photoinduced Electron Transferâ€Based BLâ€Tag Technology. Chemistry - an Asian Journal, 2012, 7, 272-276.	3.3	6
26	Inside Cover: Fluorogenic Protein Labeling through Photoinduced Electron Transfer-Based BL-Tag Technology (Chem. Asian J. 2/2012). Chemistry - an Asian Journal, 2012, 7, 246-246.	3.3	0
27	Sequential ordering among multicolor fluorophores for protein labeling facility via aggregation-elimination based Î²-lactam probes. Molecular BioSystems, 2011, 7, 1766.	2.9	9
28	Cryptand derived fluorescence signaling systems for sensing Hg(<scp>II</scp>) ion: A comparative study. Dalton Transactions, 2011, 40, 726-734.	3.3	24
29	Switching Modulation for Protein Labeling with Activatable Fluorescent Probes. ChemBioChem, 2011, 12, 1299-1308.	2.6	11
30	Turn-on fluorescence switch involving aggregation and elimination processes for Î²-lactamase-tag. Chemical Communications, 2010, 46, 7403.	4.1	31
31	Role of spacer in single- or two-step FRET: studies in the presence of two connected cryptands with properly chosen fluorophores. Dalton Transactions, 2010, 39, 4146.	3.3	13
32	Ag(i) induced emission with azines having donorâ€“acceptorâ€“donor chromophore. Dalton Transactions, 2009, , 5683.	3.3	18
33	Cryptand cage: perfect skeleton for transition metal induced two-step fluorescence resonance energy transfer. Chemical Communications, 2009, , 4982.	4.1	18
34	Translocation of copper within the cavity of cryptands: reversible fluorescence signaling. Chemical Communications, 2008, , 4180.	4.1	12
35	Transition-Metal-Induced Fluorescence Resonance Energy Transfer in a Cryptand Derivatized with Two Different Fluorophores. Inorganic Chemistry, 2007, 46, 8051-8058.	4.0	19
36	Metal induced enhancement of fluorescence and modulation of two-photon absorption cross-section with a donorâ€“acceptorâ€“acceptorâ€“donor receptor. Journal of Organometallic Chemistry, 2007, 692, 4969-4977.	1.8	11

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37	A multi-receptor fluorescence signaling system exhibiting enhancement selectively in presence of Na(I) and Tl(I) ions. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 231-238.	3.9	10
38	Origin of luminescence properties and the synthetic methods for gold and bimetallic gold-based nanomaterials. Materials Advances, 0, , .	5.4	1