

# Kalyan K Sadhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/426898/publications.pdf>

Version: 2024-02-01

38  
papers

606  
citations

687363

13  
h-index

610901

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of miRNA in Live Cells by Using Templated Ru <sup>II</sup> -Catalyzed Unmasking of a Fluorophore. <i>Chemistry - A European Journal</i> , 2013, 19, 8182-8189.	3.3	83
2	Nucleic Acid Templated Chemical Reaction in a Live Vertebrate. <i>ACS Central Science</i> , 2016, 2, 394-400.	11.3	71
3	Photoreductive Uncaging of Fluorophore in Response to Protein Oligomers by Templated Reaction <i>in Vitro</i> and <i>in Cellulo</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 20013-20016.	13.7	61
4	In cellulo protein labelling with Ru-conjugate for luminescence imaging and bioorthogonal photocatalysis. <i>Chemical Communications</i> , 2015, 51, 16664-16666.	4.1	35
5	Turn-on fluorescence switch involving aggregation and elimination processes for $\beta$ -lactamase-tag. <i>Chemical Communications</i> , 2010, 46, 7403.	4.1	31
6	Cryptand derived fluorescence signaling systems for sensing Hg(II) ion: A comparative study. <i>Dalton Transactions</i> , 2011, 40, 726-734.	3.3	24
7	Highly selective tridentate fluorescent probes for visualizing intracellular Mg <sup>2+</sup> dynamics without interference from Ca <sup>2+</sup> fluctuation. <i>Chemical Communications</i> , 2017, 53, 10644-10647.	4.1	24
8	pH Induced dual "ON" "OFF" switch: influence of a suitably placed carboxylic acid. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 563-568.	2.8	23
9	Selective affinity-based probe for oncogenic kinases suitable for live cell imaging. <i>Chemical Science</i> , 2013, 4, 2088.	7.4	22
10	Transition-Metal-Induced Fluorescence Resonance Energy Transfer in a Cryptand Derivatized with Two Different Fluorophores. <i>Inorganic Chemistry</i> , 2007, 46, 8051-8058.	4.0	19
11	DNA as a Platform to Program Assemblies with Emerging Functions in Chemical Biology. <i>Israel Journal of Chemistry</i> , 2013, 53, 75-86.	2.3	19
12	Ag(I) induced emission with azines having donor "acceptor" donor chromophore. <i>Dalton Transactions</i> , 2009, , 5683.	3.3	18
13	Cryptand cage: perfect skeleton for transition metal induced two-step fluorescence resonance energy transfer. <i>Chemical Communications</i> , 2009, , 4982.	4.1	18
14	Role of spacer in single- or two-step FRET: studies in the presence of two connected cryptands with properly chosen fluorophores. <i>Dalton Transactions</i> , 2010, 39, 4146.	3.3	13
15	Translocation of copper within the cavity of cryptands: reversible fluorescence signaling. <i>Chemical Communications</i> , 2008, , 4180.	4.1	12
16	Green Synthesis of Luminescent Gold-Zinc Oxide Nanocomposites: Cell Imaging and Visible Light-Induced Dye Degradation. <i>Frontiers in Chemistry</i> , 2021, 9, 639090.	3.6	12
17	Metal induced enhancement of fluorescence and modulation of two-photon absorption cross-section with a donor "acceptor" "acceptor" "donor" receptor. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4969-4977.	1.8	11
18	Switching Modulation for Protein Labeling with Activatable Fluorescent Probes. <i>ChemBioChem</i> , 2011, 12, 1299-1308.	2.6	11

#	ARTICLE	IF	CITATIONS
19	A multi-receptor fluorescence signaling system exhibiting enhancement selectively in presence of Na(I) and Tl(I) ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 185, 231-238.	3.9	10
20	Regioisomeric cryptand stabilized gold supraspheres and elongated dodecahedron supraparticles for reversible host-guest chemistry. <i>Chemical Communications</i> , 2018, 54, 12836-12839.	4.1	10
21	Sequential ordering among multicolor fluorophores for protein labeling facility via aggregation-elimination based $\beta$ -lactam probes. <i>Molecular BioSystems</i> , 2011, 7, 1766.	2.9	9
22	Fluorogen-free aggregation induced NIR emission from gold nanoparticles. <i>Chemical Communications</i> , 2017, 53, 6199-6202.	4.1	8
23	Gold Nanoflower for Selective Detection of Single Arginine Effect in $\alpha$ -Helix Conformational Change over Lysine in $\alpha$ -Helix Peptide. <i>Bioconjugate Chemistry</i> , 2019, 30, 1781-1787.	3.6	7
24	Two instantaneous fluorogenic steps for detection of nanomolar amyloid beta monomer and its interaction with stoichiometric copper(II) ion. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127086.	7.8	7
25	Fluorogenic Protein Labeling through Photoinduced Electron Transfer-Based BLA-Tag Technology. <i>Chemistry - an Asian Journal</i> , 2012, 7, 272-276.	3.3	6
26	Nucleic Acid-tagged Peptides: Encoding Libraries and Controlling Dimerization and Conformation. <i>Chimia</i> , 2013, 67, 905-909.	0.6	6
27	Formation of Growth-Mediated Gold Nanoflowers: Roles of the Reducing Agent and Amine-Modified, Single-Strand DNA Sequences. <i>ChemPlusChem</i> , 2019, 84, 112-118.	2.8	6
28	Syntheses of metal oxide-gold nanocomposites for biological applications. <i>Results in Chemistry</i> , 2022, 4, 100288.	2.0	5
29	Time-Dependent Growth of Gold Nanoparticles: Experimental Correlation of van der Waals Contact between DNA and Amino Acids with Polar Uncharged Side Chains. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20319-20324.	3.1	4
30	Tryptophan-Stabilized Au <sub>x</sub> O <sub>y</sub> Nanocomposites as Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Omega</i> , 2019, 4, 3385-3391.	3.5	4
31	Caprin Promotes Cellular Uptake of Nucleic Acids with Backbone and Sequence Discrimination. <i>Helvetica Chimica Acta</i> , 2020, 103, e1900255.	1.6	4
32	Selective Release of Doxorubicin from Cucurbit[8]uril Stabilized Gold Supra-Pyramid Host at pH of Small Intestine. <i>Chemistry - A European Journal</i> , 2020, 26, 15150-15158.	3.3	4
33	Methionine-Controlled Impediment of Secondary Nucleation Leading to Nonclassical Growth within Self-Assembled <i>De Novo</i> Gold Nanoparticles. <i>Langmuir</i> , 2022, 38, 5865-5873.	3.5	4
34	Citrate Stabilized Au <sub>x</sub> Fe <sub>y</sub> O <sub>z</sub> Nanocomposites for Variable Exchange Bias, Catalytic Properties and Reversible Interaction with Doxorubicin. <i>ChemistrySelect</i> , 2019, 4, 8237-8245.	1.5	3
35	Diverse interactions of aggregated insulin with selected coumarin dyes: Time dependent fluorogenicity, simulation studies and comparison with thioflavin T. <i>Dyes and Pigments</i> , 2021, 184, 108796.	3.7	1
36	Origin of luminescence properties and the synthetic methods for gold and bimetallic gold-based nanomaterials. <i>Materials Advances</i> , 0, , .	5.4	1

#	ARTICLE	IF	CITATIONS
37	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
38	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