

Prakash P Neelakandan

List of Publications by Year in descending order

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33
papers

2,107
citations

471061

17
h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

2780
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive Metal-Ligand Assemblies. <i>Chemical Reviews</i> , 2015, 115, 7729-7793.	23.0	863
2	A Supramolecular ON-OFF-ON Fluorescence Assay for Selective Recognition of GTP. <i>Journal of the American Chemical Society</i> , 2006, 128, 11334-11335.	6.6	191
3	Functional cyclophanes: Promising hosts for optical biomolecular recognition. <i>Chemical Society Reviews</i> , 2010, 39, 4158.	18.7	165
4	Fluorophore incorporation allows nanomolar guest sensing and white-light emission in $M_{4}L_{6}$ cage complexes. <i>Chemical Science</i> , 2014, 5, 908-915.	3.7	131
5	DNA-Assisted Long-Lived Excimer Formation in a Cyclophane. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8407-8411.	7.2	115
6	Synthesis of a Novel Cyclic Donor-Acceptor Conjugate for Selective Recognition of ATP. <i>Organic Letters</i> , 2005, 7, 5765-5768.	2.4	86
7	Hydrophobic Self-Assembly of a Perylenediimide-Linked DNA Dumbbell into Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2010, 132, 15808-15813.	6.6	83
8	Excitation Energy Delocalization and Transfer to Guests within $M_{4}L_{6}$ Cage Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 12050-12059.	6.6	60
9	A supramolecular Cu(II) metallocyclophane probe for guanosine 5'-monophosphate. <i>Chemical Communications</i> , 2009, , 6352.	2.2	54
10	DNA-assisted white light emission through FRET. <i>Chemical Communications</i> , 2011, 47, 1288-1290.	2.2	44
11	An Autocatalytic System of Photooxidation-Driven Substitution Reactions on a $Fe_{4}L_{6}$ Cage Framework. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14378-14382.	7.2	37
12	Exceptionally Plastic/Elastic Organic Crystals of a Naphthalidene-Boron Complex Show Flexible Optical Waveguide Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 11979-11984.	1.7	32
13	Study of cavity size and nature of bridging units on recognition of nucleotides by cyclophanes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1021.	1.5	31
14	Encapsulation of Electron Donor-Acceptor Dyads in β -Cyclodextrin Cavity: Unusual Planarization and Enhancement in Rate of Electron-Transfer Reaction. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11940-11947.	1.2	25
15	Effect of Bridging Units on Photophysical and DNA Binding Properties of a Few Cyclophanes. <i>Photochemistry and Photobiology</i> , 2010, 86, 282-289.	1.3	21
16	Ground and excited state electronic spectra of perylenediimide dimers with flexible and rigid geometries in DNA conjugates. <i>Chemical Science</i> , 2014, 5, 973-981.	3.7	19
17	Iodo-Functionalized Salicylideneimine-Boron Complexes: Synthesis and Photosensitized Degradation of Organic Water Pollutants. <i>Chemistry - A European Journal</i> , 2018, 24, 18788-18794.	1.7	19
18	Supramolecular Confinement within Chitosan Nanocomposites Enhances Singlet Oxygen Generation. <i>ChemPlusChem</i> , 2018, 83, 418-422.	1.3	16

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19	Interplay of monomer, intra- and intermolecular excimer fluorescence in cyclophanes and selective recognition of methanol vapours. <i>RSC Advances</i> , 2013, 3, 5624.	1.7	14
20	A three-component supramolecular nanocomposite as a heavy-atom-free photosensitizer. <i>Chemical Communications</i> , 2019, 55, 5623-5626.	2.2	13
21	Fine-tuning Plasmon-Molecule Interactions in Gold-BODIPY Nanocomposites: The Role of Chemical Structure and Noncovalent Interactions. <i>ChemPlusChem</i> , 2021, 86, 87-94.	1.3	12
22	Simultaneous binding of a cyclophane and classical intercalators to DNA: observation of FRET-mediated white light emission. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13495-13500.	1.3	11
23	Aggregation enhances luminescence and photosensitization properties of a hexaiodo-BODIPY. <i>Materials Chemistry Frontiers</i> , 2020, 4, 965-972.	3.2	10
24	Remarkable Self-Assembly of Salicylideneimine-Boron Complexes into Plastic Crystals and Organogels. <i>Crystal Growth and Design</i> , 2021, 21, 3798-3806.	1.4	7
25	Electronic Interactions in Helical Stacked Arrays of the Modified DNA Base Pyrrolocytosine. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5199-5204.	1.2	6
26	Nanomolar detection of biothiols via turn-ON fluorescent indicator displacement. <i>Analyst</i> , 2020, 145, 851-857.	1.7	6
27	Gold-BODIPY Nanoparticles with Luminescence and Photosensitization Properties for Photodynamic Therapy and Cell Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 6532-6542.	2.4	6
28	Synthesis and Anti-Proliferative Activity of a Triazole-Fused Thymidine Analogue. <i>ChemistrySelect</i> , 2020, 5, 5473-5478.	0.7	4
29	Isomer Selective Thermosaliency and Luminescence Switching in Organic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22650-22657.	4.0	4
30	Facially-selective thymine thymine photodimerization in TTT triads. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 889-892.	1.6	3
31	Selective Metal-Ion Detection and Activatable Photosensitization Properties of a Tetraphenylethylene-Based Salicylideneimine. <i>ChemistrySelect</i> , 2019, 4, 5707-5713.	0.7	3
32	Aggregation-Induced Emission, Mechanofluorochromism, and Selective Fluoride Detection by a Tripodal Salicylaldehyde. <i>ChemPlusChem</i> , 2022, 87, e202100555.	1.3	1
33	Hot electron migration from gold nanoparticle to an organic molecule enhances luminescence and photosensitization properties of a pH activatable plasmon-molecule coupled nanocomposite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 432, 114067.	2.0	0