

Prakash P Neelakandan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	1,760 citations	15 h-index	36 g-index
36 ext. papers	1,957 ext. citations	9.7 avg, IF	5.02 L-index

#	Paper	IF	Citations
33	Stimuli-Responsive Metal-Ligand Assemblies. <i>Chemical Reviews</i> , 2015 , 115, 7729-93	68.1	730
32	A supramolecular ON-OFF-ON fluorescence assay for selective recognition of GTP. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11334-5	16.4	176
31	Functional cyclophanes: promising hosts for optical biomolecular recognition. <i>Chemical Society Reviews</i> , 2010 , 39, 4158-68	58.5	133
30	Fluorophore incorporation allows nanomolar guest sensing and white-light emission in M4L6 cage complexes. <i>Chemical Science</i> , 2014 , 5, 908-915	9.4	110
29	DNA-assisted long-lived excimer formation in a cyclophane. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8407-11	16.4	108
28	Hydrophobic self-assembly of a perylenediimide-linked DNA dumbbell into supramolecular polymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15808-13	16.4	80
27	Synthesis of a novel cyclic donor-acceptor conjugate for selective recognition of ATP. <i>Organic Letters</i> , 2005 , 7, 5765-8	6.2	79
26	A supramolecular Cu(II) metallocyclophane probe for guanosine 5'-monophosphate. <i>Chemical Communications</i> , 2009 , 6352-4	5.8	53
25	Excitation Energy Delocalization and Transfer to Guests within ML Cage Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12050-12059	16.4	44
24	DNA-assisted white light emission through FRET. <i>Chemical Communications</i> , 2011 , 47, 1288-90	5.8	37
23	An Autocatalytic System of Photooxidation-Driven Substitution Reactions on a Fe(II)4L6 Cage Framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14378-82	16.4	26
22	Study of cavity size and nature of bridging units on recognition of nucleotides by cyclophanes. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 1021-9	3.9	26
21	Encapsulation of electron donor-acceptor dyads in beta-cyclodextrin cavity: unusual planarization and enhancement in rate of electron-transfer reaction. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11940-7	3.4	24
20	Effect of bridging units on photophysical and DNA binding properties of a few cyclophanes. <i>Photochemistry and Photobiology</i> , 2010 , 86, 282-9	3.6	18
19	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	9.4	16
18	Exceptionally Plastic/Elastic Organic Crystals of a Naphthalidenimine-Boron Complex Show Flexible Optical Waveguide Properties. <i>Chemistry - A European Journal</i> , 2020 , 26, 11979-11984	4.8	12
17	Iodo-Functionalized Salicylideneimine-Boron Complexes: Synthesis and Photosensitized Degradation of Organic Water Pollutants. <i>Chemistry - A European Journal</i> , 2018 , 24, 18788-18794	4.8	11

16	Interplay of monomer, intra- and intermolecular excimer fluorescence in cyclophanes and selective recognition of methanol vapours. <i>RSC Advances</i> , 2013 , 3, 5624	3.7	10
15	An Autocatalytic System of Photooxidation-Driven Substitution Reactions on a FeII ₄ L ₆ Cage Framework. <i>Angewandte Chemie</i> , 2015 , 127, 14586-14590	3.6	10
14	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, 13495-500	3.6	9
13	Aggregation enhances luminescence and photosensitization properties of a hexaiodo-BODIPY. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 965-972	7.8	9
12	Supramolecular Confinement within Chitosan Nanocomposites Enhances Singlet Oxygen Generation. <i>ChemPlusChem</i> , 2018 , 83, 418-422	2.8	9
11	A three-component supramolecular nanocomposite as a heavy-atom-free photosensitizer. <i>Chemical Communications</i> , 2019 , 55, 5623-5626	5.8	6
10	Electronic interactions in helical stacked arrays of the modified DNA base pyrrolocytosine. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5199-204	3.4	5
9	Nanomolar detection of biothiols via turn-ON fluorescent indicator displacement. <i>Analyst, The</i> , 2020 , 145, 851-857	5	5
8	Remarkable Self-Assembly of Salicylideneimine-Boron Complexes into Plastic Crystals and Organogels. <i>Crystal Growth and Design</i> , 2021 , 21, 3798-3806	3.5	3
7	Fine-Tuning Plasmon-Molecule Interactions in Gold-BODIPY Nanocomposites: The Role of Chemical Structure and Noncovalent Interactions. <i>ChemPlusChem</i> , 2021 , 86, 87-94	2.8	3
6	Selective Metal-Ion Detection and Activatable Photosensitization Properties of a Tetraphenylethylene-Based Salicylideneimine. <i>ChemistrySelect</i> , 2019 , 4, 5707-5713	1.8	2
5	Facially-selective thymine-thymine photodimerization in TTT triads. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 889-92	4.2	2
4	Isomer Selective Thermosaliency and Luminescence Switching in Organic Crystals.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
3	Synthesis and Anti-Proliferative Activity of a Triazole-Fused Thymidine Analogue. <i>ChemistrySelect</i> , 2020 , 5, 5473-5478	1.8	1
2	Aggregation-Induced Emission, Mechanofluorochromism, and Selective Fluoride Detection by a Tripodal Salicylaldehyde.. <i>ChemPlusChem</i> , 2022 , 87, e202100555	2.8	0
1	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 , 114067	4.7	