Danaboyina Ramaiah

List of Publications by Year
in descending order

51 papers	3,063 citations	136950 32 h-index	189892 50 g-index
51 all docs	51 docs citations	51 times ranked	3850 citing authors

#	Article	IF	Citations
1	Tuning Photosensitized Singlet Oxygen Generation Efficiency of Novel Aza-BODIPY Dyes. Organic Letters, 2010, 12, 5720-5723.	4.6	324
2	Site-Selective Binding and Dual Mode Recognition of Serum Albumin by a Squaraine Dye. Journal of the American Chemical Society, 2006, 128, 6024-6025.	13.7	266
3	Functional cyclophanes: Promising hosts for optical biomolecular recognition. Chemical Society Reviews, 2010, 39, 4158.	38.1	165
4	Squaraine dyes in PDT: from basic design to in vivo demonstration. Organic and Biomolecular Chemistry, 2012, 10, 911-920.	2.8	157
5	Azaâ€BODIPY Derivatives: Enhanced Quantum Yields of Triplet Excited States and the Generation of Singlet Oxygen and their Role as Facile Sustainable Photooxygenation Catalysts. Chemistry - A European Journal, 2012, 18, 12655-12662.	3.3	151
6	Fluorescence Ratiometric Selective Recognition of Cu²⁺ Ions by Dansylâ^'Naphthalimide Dyads. Journal of Organic Chemistry, 2009, 74, 6667-6673.	3.2	128
7	Efficient Reaction Based Colorimetric Probe for Sensitive Detection, Quantification, and On-Site Analysis of Nitrite Ions in Natural Water Resources. Analytical Chemistry, 2013, 85, 10008-10012.	6.5	127
8	meso-Tetrakis(p-sulfonatophenyl)N-Confused Porphyrin Tetrasodium Salt: A Potential Sensitizer for Photodynamic Therapy. Journal of Medicinal Chemistry, 2012, 55, 5110-5120.	6.4	116
9	DNAâ€Assisted Longâ€Lived Excimer Formation in a Cyclophane. Angewandte Chemie - International Edition, 2008, 47, 8407-8411.	13.8	115
10	Halogenated Squaraine Dyes as Potential Photochemotherapeutic Agents. Synthesis and Study of Photophysical Properties and Quantum Efficiencies of Singlet Oxygen Generation*. Photochemistry and Photobiology, 1997, 65, 783-790.	2.5	106
11	Squaraine Dyes for Photodynamic Therapy: Study of Their Cytotoxicity and Genotoxicity in Bacteria and Mammalian CellsÂ¶â€¡. Photochemistry and Photobiology, 2002, 76, 672.	2.5	105
12	Sensitive Naked Eye Detection of Hydrogen Sulfide and Nitric Oxide by Aza-BODIPY Dyes in Aqueous Medium. Analytical Chemistry, 2014, 86, 9335-9342.	6.5	93
13	Carbazoleâ€Linked Nearâ€Infrared Azaâ€BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deepâ€Tissue Imaging. Chemistry - A European Journal, 2017, 23, 6570-6578.	3.3	83
14	In VitroDemonstration of Apoptosis Mediated Photodynamic Activity and NIR Nucleus Imaging through a Novel Porphyrin. ACS Chemical Biology, 2013, 8, 127-132.	3.4	75
15	Squaraine Dyes for Photodynamic Therapy: Mechanism of Cytotoxicity and DNA Damage Induced by Halogenated Squaraine Dyes Plus Light (>600 nm)Â¶. Photochemistry and Photobiology, 2004, 79, 99.	2.5	74
16	Squaraine Dyes for Photodynamic Therapy: Mechanism of Cytotoxicity and DNA Damage Induced by Halogenated Squaraine Dyes Plus Light (>600 nm)^{Â¶}. Photochemistry and Photobiology, 2004, 79, 99-104.	2.5	67
17	Antimicrobial Photodynamic Efficiency of Novel Cationic Porphyrins towards Periodontal Gramâ€positive and Gramâ€negative Pathogenic Bacteria. Photochemistry and Photobiology, 2014, 90, 628-640.	2.5	60
18	Bis(3,5-diiodo-2,4,6-trihydroxyphenyl)squaraine: A novel candidate in photodynamic therapy for skin cancer models in vivo. Journal of Photochemistry and Photobiology B: Biology, 2008, 92, 153-159.	3.8	56

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19	A supramolecular Cu(ii) metallocyclophane probe for guanosine 5â€²-monophosphate. Chemical Communications, 2009, , 6352.	4.1	54
20	In Vitro and in Vivo Demonstration of Photodynamic Activity and Cytoplasm Imaging through TPE Nanoparticles. ACS Chemical Biology, 2016, 11, 104-112.	3.4	50
21	Selective Recognition of Tryptophan through Inhibition of Intramolecular Charge-Transfer Interactions in an Aqueous Medium. Organic Letters, 2007, 9, 417-420.	4.6	47
22	DNA-assisted white light emission through FRET. Chemical Communications, 2011, 47, 1288-1290.	4.1	44
23	Selective Interactions of a Few Acridinium Derivatives with Single Strand DNA:â€‰ Study of Photophysical and DNA Binding Interactions. Journal of Physical Chemistry B, 2007, 111, 6549-6556.	2.6	42
24	Optimization of Triplet Excited State and Singlet Oxygen Quantum Yields of Picolylamineâ€“Porphyrin Conjugates through Zinc Insertion. Journal of Physical Chemistry B, 2013, 117, 13515-13522.	2.6	42
25	Î²-Cyclodextrin as a Photosensitizer Carrier: Effect on Photophysical Properties and Chemical Reactivity of Squaraine Dyes. Journal of Physical Chemistry B, 2011, 115, 7122-7128.	2.6	40
26	Synthesis of New Cholesterol- and Sugar-Anchored Squaraine Dyes:â€‰ Further Evidence of How Electronic Factors Influence Dye Formation. Organic Letters, 2006, 8, 111-114.	4.6	39
27	Aggregation Properties of Heavy Atom Substituted Squaraine Dyes:Â Evidence for the Formation of J-Type Dimer Aggregates in Aprotic Solvents. Journal of Physical Chemistry A, 2007, 111, 3226-3230.	2.5	38
28	A laser flash photolysis study of 2,6-dimethyl-3,5-diphenyl-4-pyrone and related chromones. Evidence for triplet state structural relaxation from quenching behaviors. The Journal of Physical Chemistry, 1986, 90, 5984-5989.	2.9	37
29	Photosensitized Formation of 8-Hydroxy-2â€²-deoxyguanosine in Salmon Testes DNA by Furocoumarin Hydroperoxides: A Novel, Intercalatingâ€œPhoto-Fentonâ€•Reagent for Oxidative DNA Damage. Angewandte Chemie International Edition in English, 1995, 34, 107-110.	4.4	37
30	Acridineâ^'Viologen Dyads: Selective Recognition of Single-Strand DNA through Fluorescence Enhancement. Organic Letters, 2008, 10, 4295-4298.	4.6	37
31	Control of Electron-Transfer and DNA Binding Properties by the Tolyl Spacer Group in Viologen Linked Acridines. Journal of Physical Chemistry B, 2003, 107, 4444-4450.	2.6	35
32	Dansylâ€"Naphthalimide Dyads As Molecular Probes: Effect of Spacer Group on Metal Ion Binding Properties. Journal of Physical Chemistry B, 2011, 115, 13292-13299.	2.6	33
33	Aza-BODIPY nanomicelles as versatile agents for the in vitro and in vivo singlet oxygen-triggered apoptosis of human breast cancer cells. Journal of Materials Chemistry B, 2019, 7, 2372-2377.	5.8	27
34	Picolyl Porphyrin Nanostructures as a Functional Drug Entrant for Photodynamic Therapy in Human Breast Cancers. ACS Omega, 2019, 4, 12808-12816.	3.5	22
35	Novel Aza-BODIPY based turn on selective and sensitive probe for on-site visual detection of bivalent copper ions. Dyes and Pigments, 2019, 171, 107684.	3.7	21
36	Unveiling NIR Azaâ€Boronâ€Dipyrromethene (BODIPY) Dyes as Raman Probes: Surfaceâ€Enhanced Raman Scattering (SERS)â€Guided Selective Detection and Imaging of Human Cancer Cells. Chemistry - A European Journal, 2017, 23, 14286-14291.	3.3	20

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37	In Vitro and In Vivo Demonstration of Human-Ovarian-Cancer Necrosis through a Water-Soluble and Near-Infrared-Absorbing Chlorin. Journal of Medicinal Chemistry, 2018, 61, 5009-5019.	6.4	20
38	Enhancement in intramolecular interactions and in vitro biological activity of a tripodal tetradentate system upon complexation. Dalton Transactions, 2015, 44, 15591-15601.	3.3	17
39	White photoluminescence and electroluminescence from a ternary system in solution and a polymer matrix. Chemical Communications, 2013, 49, 11626.	4.1	16
40	Aryl appended neutral and cationic half-sandwich ruthenium(<scp>ii</scp>)â€“NHC complexes: synthesis, characterisation and catalytic applications. New Journal of Chemistry, 2017, 41, 12736-12745.	2.8	14
41	Design and synthesis of solution processable green fluorescent Dâ€“Ï€â€“A dyads for OLED applications. New Journal of Chemistry, 2018, 42, 5456-5464.	2.8	13
42	Simultaneous binding of a cyclophane and classical intercalators to DNA: observation of FRET-mediated white light emission. Physical Chemistry Chemical Physics, 2015, 17, 13495-13500.	2.8	11
43	Fluorescent chemodosimeter based on NHC complex for selective recognition of cyanide ions in aqueous medium. RSC Advances, 2014, 4, 47982-47986.	3.6	9
44	Tuning of photoluminescence properties of functional phthalides for OLED applications. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 156-162.	3.9	9
45	Amino Acidâ€“Porphyrin Conjugates: Synthesis and Study of their Photophysical and Metal Ion Recognition Properties. Photochemistry and Photobiology, 2015, 91, 1348-1355.	2.5	8
46	Selective recognition of cyanide ions by amphiphilic porphyrins in aqueous medium. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1368-1376.	0.8	3
47	Recent Advances in Ru Catalyzed Transfer Hydrogenation and Its Future Perspectives. , 0, , .		3
48	Design of Air and Moisture Stable Ruthenophane and Ruthenium(II)â€Ï€ Complexes and Study of Their Applications in Catalysis. ChemistrySelect, 2017, 2, 11195-11199.	1.5	2
49	Simple solution processable carbazole-oxadiazole hybrids for un-doped deep-blue OLEDs. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 358, 192-200.	3.9	2
50	Synthesis and in vitro photobiological studies of porphyrin capped gold nanoparticles $$^{S }$$ Â§. Journal of Chemical Sciences, 2018, 130, 1.	1.5	2
51	Î¼-Oxo-bridged iron(<scp>iii</scp>) complexes for the selective reduction of aromatic ketones catalyzed through base promoted in situ nanoparticle formation. New Journal of Chemistry, 2022, 46, 11202-11211.	2.8	1