

Sriram Kanvah

List of Publications by Year in descending order

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62
papers

1,448
citations

394421

19
h-index

361022

35
g-index

69
all docs

69
docs citations

69
times ranked

1714
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of DNA: Damage to Nucleobases. <i>Accounts of Chemical Research</i> , 2010, 43, 280-287.	15.6	300
2	Î±,Î±'-Diphenylpolyenes Capable of Exhibiting Twisted Intramolecular Charge Transfer Fluorescence: A Fluorescence and Fluorescence Probe Study of Nitro- and Nitrocyano-Substituted 1,4-Diphenylbutadienes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 464-471.	2.5	70
3	Superior Resonant Nanocavities Engineering on the Photonic Crystal-Coupled Emission Platform for the Detection of Femtomolar Iodide and Zeptomolar Cortisol. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34323-34336.	8.0	61
4	Effect of Base Sequence and Hydration on the Electronic and Hole Transport Properties of Duplex DNA: A Theory and Experiment. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3525-3537.	2.5	58
5	Î±-Cyanostilbene based fluorophores: aggregation-induced enhanced emission, solvatochromism and the pH effect. <i>New Journal of Chemistry</i> , 2014, 38, 5736-5746.	2.8	54
6	Combustion synthesized La ₂ O ₃ and La(OH) ₃ : recyclable catalytic activity towards Knoevenagel and Hantzsch reactions. <i>RSC Advances</i> , 2014, 4, 55407-55416.	3.6	53
7	Rational Tuning of AIEE Active Coumarin Based Î±-Cyanostilbenes toward Far-Red/NIR Region Using Different Î³-Spacer and Acceptor Units. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10757-10769.	3.1	52
8	Recyclable Bi ₂ WO ₆ -nanoparticle mediated one-pot multicomponent reactions in aqueous medium at room temperature. <i>RSC Advances</i> , 2014, 4, 54168-54174.	3.6	43
9	The sacrificial role of easily oxidizable sites in the protection of DNA from damage. <i>Nucleic Acids Research</i> , 2005, 33, 5133-5138.	14.5	41
10	Fluorescent probes for targeting endoplasmic reticulum: design strategies and their applications. <i>Chemical Communications</i> , 2022, 58, 2413-2429.	4.1	30
11	Cationic red-emitting probes for the rapid and selective detection of SO ₂ derivatives in aqueous and cellular environments. <i>New Journal of Chemistry</i> , 2019, 43, 584-592.	2.8	29
12	A "turn-off" red-emitting fluorophore for nanomolar detection of heparin. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13263-13270.	2.8	27
13	Synthesis of functionalized isoxazole-oxindole hybrids via on water, catalyst free vinylogous Henry and 1,6-Michael addition reactions. <i>RSC Advances</i> , 2015, 5, 81768-81773.	3.6	25
14	Green synthesis of 1,4-benzodiazepines over La ₂ O ₃ and La(OH) ₃ catalysts: possibility of Langmuir-Hinshelwood adsorption. <i>RSC Advances</i> , 2016, 6, 103455-103462.	3.6	25
15	Emission and Color Tuning of Cyanostilbenes and White Light Emission. <i>ACS Omega</i> , 2018, 3, 17376-17385.	3.5	25
16	Perturbing the AIEE activity of pyridine functionalized Î±-cyanostilbenes with donor substitutions: an experimental and DFT study. <i>New Journal of Chemistry</i> , 2020, 44, 218-230.	2.8	25
17	One-Electron Oxidation of DNA: The Effect of Replacement of Cytosine with 5-Methylcytosine on Long-Distance Radical Cation Transport and Reaction. <i>Journal of the American Chemical Society</i> , 2004, 126, 7341-7344.	13.7	22
18	Long-Range Oxidative Damage to DNA: Protection of Guanines by a Nonspecifically Bound Disulfide. <i>Journal of the American Chemical Society</i> , 2002, 124, 11286-11287.	13.7	20

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19	One-electron oxidation of DNA: thymine versus guanine reactivity. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1340.	2.8	20
20	Red-emitting cationic fluorophore as a probe for anionic surfactants. <i>Dyes and Pigments</i> , 2017, 142, 230-236.	3.7	20
21	Synthesis of functionalized 1,2,3-triazoles using Bi ₂ WO ₆ nanoparticles as efficient and reusable heterogeneous catalyst in aqueous medium. <i>RSC Advances</i> , 2015, 5, 57842-57846.	3.6	19
22	One-pot synthesis of functionalized isoxazole-thiolane hybrids via Knoevenagel condensation and domino sulfa-1,6-Michael/intramolecular vinylogous Henry reactions. <i>RSC Advances</i> , 2015, 5, 94474-94478.	3.6	19
23	Benzimidazole-acrylonitriles as chemosensors for picric acid detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112874.	3.9	19
24	Aggregation-Induced Emission and Organogels with Chiral and Racemic Pyrene-Substituted Cyanostyrenes. <i>Langmuir</i> , 2020, 36, 2720-2728.	3.5	18
25	Photophysical studies of substituted 1,2-diarylethenes: twisted intramolecular charge transfer fluorescence in dimethoxycyano-substituted 1,2-diarylethene. <i>Perkin Transactions II RSC</i> , 2001, , 395-401.	1.1	17
26	Self-Assembly Tuning of β -Cyanostilbene Fluorogens: Aggregates to Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22478-22486.	3.1	17
27	Cationic red emitting fluorophore: A light up NIR fluorescent probe for G4-DNA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 128-136.	3.8	16
28	Near infrared emitting molecular rotor based on merocyanine for probing the viscosity of cellular lipid environments. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2459-2469.	5.9	16
29	White light emission from AlE-active luminescent organic materials. <i>Aggregate</i> , 2022, 3, .	9.9	16
30	Oxidative damage to DNA: Inhibition of guanine damage. <i>Pure and Applied Chemistry</i> , 2006, 78, 2297-2304.	1.9	15
31	Live-cell imaging of the nucleolus and mapping mitochondrial viscosity with a dual function fluorescent probe. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3389-3395.	2.8	15
32	Effect of microheterogeneous media on the fluorescence and fluorescence probe properties of donor-acceptor diarylbutadienes. <i>New Journal of Chemistry</i> , 2000, 24, 639-646.	2.8	14
33	Live-cell imaging of lipid droplets using solvatochromic coumarin derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5608-5616.	2.8	14
34	Organogels composed of trifluoromethyl anthryl cyanostyrenes: enhanced emission and self-assembly. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 395-403.	2.9	13
35	Neutral and cationic pyridylbutadienes: solvatochromism and fluorescence response with sodium cholate. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 2159-2167.	2.9	12
36	β -Cyanostyrenes with Pyrene Scaffold: Unique Emission through Aggregation. <i>ChemistrySelect</i> , 2017, 2, 1902-1910.	1.5	12

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37	Styrylisoxazole-based fluorescent probes for the detection of hydrogen sulfide. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 42-50.	2.9	12
38	Fluorescence enhancement of cationic styrylcoumarin-cucurbit[7]uril complexes: Enhanced stability and cellular membrane localization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112062.	3.9	12
39	Probing Variations of Reduction Activity at the Plasma Membrane Using a Targeted Ratiometric FRET Probe. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40315-40324.	8.0	12
40	Cholesterol-tethered AIEE fluorogens: formation of self-assembled nanostructures. <i>RSC Advances</i> , 2015, 5, 33049-33057.	3.6	11
41	A α -turn-on-Michler's ketone-benzimidazole fluorescent probe for selective detection of serum albumins. <i>New Journal of Chemistry</i> , 2019, 43, 10859-10867.	2.8	11
42	Imaging mitochondria and plasma membrane in live cells using solvatochromic styrylpyridines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111732.	3.8	11
43	Twisted intramolecular charge transfer fluorescence in nitro-substituted β -diphenylpolyene compounds. <i>New Journal of Chemistry</i> , 1999, 23, 1075-1078.	2.8	10
44	pH-responsive molecular assemblies of pyridylbutadiene derivative with cucurbit[7]uril. <i>RSC Advances</i> , 2018, 8, 16738-16745.	3.6	10
45	One- and Two-Component Organogels Containing Cyanostilbene without any Auxiliary Substituents. <i>ChemPlusChem</i> , 2019, 84, 1789-1795.	2.8	10
46	Branching effect on triphenylamine-CF ₃ cyanostilbenes: enhanced emission and aggregation in water. <i>New Journal of Chemistry</i> , 2019, 43, 4106-4115.	2.8	10
47	Amino substituted 4-pyridylbutadienes: Synthesis and fluorescence investigations. <i>Dyes and Pigments</i> , 2015, 123, 341-348.	3.7	9
48	A sensitive AIEE probe for amphiphilic compounds. <i>New Journal of Chemistry</i> , 2016, 40, 4588-4594.	2.8	9
49	Photophysical studies of pyrenyl cyanostyrenes: effect of trifluoromethyl substitution on gelation. <i>New Journal of Chemistry</i> , 2018, 42, 18297-18304.	2.8	9
50	Diphenylpolyene-cholesterol conjugates as fluorescent probes for microheterogeneous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 281, 18-26.	3.9	8
51	A competitive effect of acceptor substitutions on the opto-electronic features of triphenylamine cored di- β -cyanostilbene derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 4683-4693.	2.8	8
52	Photoisomerization of <i>Trans Ortho</i> , <i>Meta</i> , <i>Para</i> -Nitro Diarylbutadienes: A Case of Regioselectivity. <i>Photochemistry and Photobiology</i> , 2015, 91, 1324-1331.	2.5	7
53	Bicycle pedal photoisomerization of 1-phenyl-4-(4-pyridyl)-1,3-butadienes in glassy isopentane at 77 K. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1754-1760.	2.9	6
54	Selective photoisomerization of methyl substituted nitro diphenylbutadienes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 293, 40-49.	3.9	6

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55	Detection of illicit GHB using AIE active fluorene containing β -Cyanostilbenes. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 427, 113844.	3.9	6
56	White light emission in water through admixtures of donor-acceptor siblings: experiment and simulation. New Journal of Chemistry, 2019, 43, 11701-11709.	2.8	5
57	Stress-responsive rhodamine bioconjugates for membrane-potential-independent mitochondrial live-cell imaging and tracking. Organic and Biomolecular Chemistry, 2021, 19, 10090-10096.	2.8	3
58	Influence of imidazolium ionic liquids on fluorescence of push-pull diphenylbutadienes. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 55-62.	3.9	2
59	Carbohydrate Tethered Cyanostilbene Fluorogen: Unique Emission and Preferential Protein Binding. ChemistrySelect, 2017, 2, 405-414.	1.5	2
60	Developing Photosensitizer-Cobaloxime Hybrids for Solar-Driven H ₂ Production in Aqueous Aerobic Conditions. Journal of Visualized Experiments, 2019, , .	0.3	2
61	Effect of positively charged backbone groups on radical cation migration and reaction in duplex DNA. Canadian Journal of Chemistry, 2011, 89, 326-330.	1.1	1
62	Donor-Acceptor Styrylisoaxazoles: Solvatochromism and Large First Hyperpolarizability. ChemistrySelect, 2018, 3, 7416-7421.	1.5	0