

Easwaramoorthi Shanmugam

List of Publications by Year in descending order

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61
papers

1,625
citations

257357

24
h-index

315616

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all docs

65
docs citations

65
times ranked

1969
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Arylated Perylene Bisimides through C-H Bond Cleavage under Ruthenium Catalysis. <i>Organic Letters</i> , 2009, 11, 5426-5429.	2.4	133
2	Benzoselenadiazole Fluorescent Probes as Near-IR Optical and Ratiometric Fluorescence Sensor for Fluoride Ion. <i>Organic Letters</i> , 2014, 16, 354-357.	2.4	92
3	Effective Expansion of the Subporphyrin Chromophore Through Conjugation with <i>meso</i> -Oligo(1,4-phenyleneethynylene) Substituents: Octupolar Effect on Two-Photon Absorption. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4840-4843.	7.2	77
4	Crystallographic, Photophysical, NMR Spectroscopic and Reactivity Manifestations of the π -Heteroaryl Effect in 4,4-Difluoro-8-(C ₄ H ₃ X)-4-bora-3,4-diaza-indacene (X = O, S, Se) (BODIPY) Systems. <i>Inorganic Chemistry</i> , 2010, 49, 4881-4894.	1.9	77
5	<i>meso</i> -(4-(N,N-Dialkylamino)phenyl)-Substituted Subporphyrins: Remarkably Perturbed Absorption Spectra and Enhanced Fluorescence by Intramolecular Charge Transfer Interactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 12234-12235.	6.6	71
6	2,5-Thienylene-Bridged Triangular and Linear Porphyrin Trimers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6004-6007.	7.2	61
7	A simple chalcone based ratiometric chemosensor for sensitive and selective detection of Nickel ion and its imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 306-317.	4.0	59
8	Versatile Photophysical Properties of <i>meso</i> -Aryl-Substituted Subporphyrins: Dipolar and Octupolar Charge Transfer Interactions. <i>Chemistry - A European Journal</i> , 2009, 15, 12005-12017.	1.7	56
9	Pyrene pyridine-conjugate as Ag selective fluorescent chemosensor. <i>RSC Advances</i> , 2014, 4, 35284-35289.	1.7	49
10	Triarylamine Rhodanine Derivatives as Red Emissive Sensor for Discriminative Detection of Ag ⁺ and Hg ²⁺ ions in Buffer-Free Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9865-9874.	3.2	47
11	Synthesis and Photophysical Properties of N-Fused Tetraphenylporphyrin Derivatives: Near-Infrared Organic Dye of [18]Annulenic Compounds. <i>Journal of Organic Chemistry</i> , 2010, 75, 8637-8649.	1.7	46
12	Meso-Trialkyl-Substituted Subporphyrins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 321-324.	7.2	43
13	Dual Functional Fluorescent Chemosensor for Discriminative Detection of Ni ²⁺ and Al ³⁺ Ions and Its Imaging in Living Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16532-16543.	3.2	43
14	Charge instability of symmetry broken dipolar states in quadrupolar and octupolar triphenylamine derivatives. <i>Chemical Communications</i> , 2014, 50, 6902-6905.	2.2	41
15	Quinoline benzimidazole-conjugate for the highly selective detection of Zn(II) by dual colorimetric and fluorescent turn-on responses. <i>RSC Advances</i> , 2015, 5, 44463-44469.	1.7	40
16	Peripheral Hexabromination, Hexaphenylation, and Hexaethynylation of <i>meso</i> -Aryl-Substituted Subporphyrins. <i>Chemistry - A European Journal</i> , 2009, 15, 237-247.	1.7	39
17	Pyrene-phenylglycinol linked reversible ratiometric fluorescent chemosensor for the detection of aluminium in nanomolar range and its bio-imaging. <i>Analytica Chimica Acta</i> , 2019, 1090, 114-124.	2.6	34
18	Structure-Property Relationship for Two-Photon Absorbing Multiporphyrins: Supramolecular Assembly of Highly-Conjugated Multiporphyrinic Ladders and Prisms. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6563-6570.	1.1	33

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19	Photophysical properties of phenosafranine (PHNS) adsorbed on the TiO ₂ -incorporated zeolite-Y. <i>Microporous and Mesoporous Materials</i> , 2005, 86, 185-190.	2.2	30
20	Covalently dual functionalized graphene oxide-based multiplex electrochemical sensor for Hg(II) and Cr(VI) detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132165.	4.0	30
21	Characterisation and spectral properties of surface adsorbed phenosafranine dye in zeolite-Y and ZSM-5: Photosensitisation of embedded nanoparticles of titanium dioxide. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 541-550.	2.2	27
22	Synthesis and photophysics of extended π -conjugated systems of substituted 10-aryl-pyrenoidimidazoles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10255-10266.	1.5	26
23	Next Generation Designed Protein as a Photosensitizer for Biophotovoltaics Prepared by Expanding the Genetic Code. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 72-77.	3.2	26
24	Meso- π^2 Doubly Linked Zn(II) Porphyrin Trimers: Distinct anti-versus-syn Effects on Their Photophysical Properties. <i>Organic Letters</i> , 2009, 11, 3080-3083.	2.4	24
25	Photophysical and charge transport properties of pyrazolines. <i>RSC Advances</i> , 2016, 6, 786-795.	1.7	22
26	Synthesis of green light emitting fused pyrazolinopiperidines - photophysical and electrochemical studies. <i>RSC Advances</i> , 2013, 3, 1243-1254.	1.7	21
27	Fluorinated Reduced Graphene Oxide-Encapsulated ZnO Hollow Sphere Composite as an Efficient Photocatalyst with Increased Charge-Carrier Mobility. <i>Langmuir</i> , 2019, 35, 8681-8691.	1.6	21
28	Gated photochromism in azobenzene-appended rhodamine cassette: through-bond energy transfer as a universal strategy towards a Lock and Unlock-system. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10497-10501.	2.7	19
29	Synthesis, photophysical and acidochromic properties of a series of tetrahydrodibenzo[a,i]phenanthridine chromophores. <i>Dyes and Pigments</i> , 2016, 130, 233-244.	2.0	18
30	Hydrogen Bond-Assisted Colorimetric Picomolar Level Detection of Hg ²⁺ Ions in 100% Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10309-10317.	3.2	15
31	Excess Polarizability Reveals Exciton Localization/Delocalization Controlled by Linking Positions on Porphyrin Rings in Butadiyne-Bridged Porphyrin Dimers. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3384-3390.	1.1	14
32	Colorimetric detection of fluoride ion by 5-arylidenebarbituric acids: dual interaction mode for fluoride ion with single receptor. <i>Dalton Transactions</i> , 2014, 43, 5151.	1.6	14
33	Three-Ring-Based Thermotropic Mesogens with a Dimethylamino Group: Structural Characterization, Photophysical Properties, and Molecular Order. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9477-9487.	1.5	14
34	Probing visible light induced photochemical stabilization of collagen in green solvent medium. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 779-786.	3.6	14
35	Excited State Electronic Interconversion and Structural Transformation of Engineered Red-Emitting Green Fluorescent Protein Mutant. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2316-2324.	1.2	13
36	Photoswitchable azobenzene-rhodamine tweezers for biosensing of Al ³⁺ ions. <i>New Journal of Chemistry</i> , 2018, 42, 9300-9305.	1.4	12

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37	Influence of Thiophenes on Molecular Order, Mesophase, and Optical Properties of π -Conjugated Mesogens. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22257-22269.	1.5	10
38	Engineering of a skin-fiber-opening enzyme for sulfide-free leather beam house operation through xenobiology. <i>Green Chemistry</i> , 2019, 21, 2070-2081.	4.6	10
39	Single-Molecule White-Light-Emitting Starburst Donor-Acceptor Triphenylamine Derivatives and Their Application as Ratiometric Luminescent Molecular Thermometers. <i>Chemistry - A European Journal</i> , 2021, 27, 11319-11325.	1.7	10
40	Red-Emitting Ratiometric Fluorescence Chemodosimeter for the Discriminative Detection of Aromatic and Aliphatic Amines. <i>ChemistrySelect</i> , 2019, 4, 7486-7494.	0.7	9
41	The self-assembly and photophysical characterization of tri(cyclopenta[def]phenanthrene)-derived nanoparticles: a template free synthesis of hollow colloidosomes. <i>Journal of Materials Chemistry</i> , 2010, 20, 9684.	6.7	8
42	Four component domino reaction for the synthesis of highly functionalized dimeric tetracyclic dilactam fluorophores: H-bond aided self-assembly. <i>RSC Advances</i> , 2014, 4, 29276-29280.	1.7	8
43	Photophysical studies of donor, acceptor substituted tetrahydrodibenzo[a,i]phenanthridines. <i>Dyes and Pigments</i> , 2016, 134, 409-418.	2.0	8
44	(borophenanthridines). <i>Dyes and Pigments</i> , 2017, 137, 182-190.	2.0	8
45	Low-level detection of water in polar aprotic solvents using an unusually fluorescent spirocyclic rhodamine. <i>New Journal of Chemistry</i> , 2020, 44, 6566-6574.	1.4	8
46	Redox properties of phenosafranine at zeolite-modified electrodes—Effect of surface modification and solution pH. <i>Materials Chemistry and Physics</i> , 2008, 107, 101-109.	2.0	7
47	Spectral and electrochemical studies of methylene blue and thionine encapsulated in zeolite-Y. <i>Journal of Porous Materials</i> , 2008, 15, 343-349.	1.3	6
48	Accelerated Strain-Promoted and Oxidation-Controlled Cyclooctyne-Quinone Cycloaddition for Cell Labeling. <i>ChemistrySelect</i> , 2017, 2, 7117-7122.	0.7	6
49	Multipolar triphenylamines: Effect of spectator donor-acceptor pair on intramolecular charge transfer interactions. <i>Dyes and Pigments</i> , 2020, 172, 107838.	2.0	6
50	Photoprocesses of molecules encapsulated in porous solids XI: Excited state dynamics of proflavine and photosensitization of TiO ₂ in nanoporous materials. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 124-130.	2.2	5
51	Intramolecular charge transfer interactions and molecular order of rod like mesogens. <i>RSC Advances</i> , 2015, 5, 105066-105078.	1.7	5
52	Tuning the Electronic Properties of 2-Cyano-3-phenylacrylamide Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 12351-12358.	1.7	5
53	Zn(II)porphyrin Helical Arrays: A Strategy to Overcome Conformational Heterogeneity by Host-Guest Chemistry. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 197-201.	1.0	5
54	X-Ray photoelectron spectroscopic investigation of phenosafranine adsorbed onto micro and mesoporous materials. <i>Journal of Chemical Sciences</i> , 2009, 121, 711-718.	0.7	3

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55	Benzothiadiazole-Based Diarylamines as a Fluoride Sensor: Prevention of Fluoride Induced Decomposition of Receptor Molecule by Complex Formation with Cu ²⁺ . ChemistrySelect, 2018, 3, 10085-10090.	0.7	3
56	An insight into the photophysical properties of amide hydrogen bonded N-(benzo[d]thiazol-2-yl) acetamide crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 572-577.	2.0	2
57	Selection and screening of genetically encoded fluorescent protein as a sensor for cancer theranostics. Biosensors and Bioelectronics: X, 2022, 10, 100129.	0.9	2
58	Pyrenimidazole-fused phenanthridine derivatives with intense red excimer fluorescence in the solid state. New Journal of Chemistry, 2020, 44, 9530-9539.	1.4	1
59	Protein-based metal bio cleaner for detoxification of waste water. Journal of Chemical Technology and Biotechnology, 0, , .	1.6	1
60	Sub-micron sized cytochrome c particles adsorbing to solid surfaces: A comparison between solution phase and colloidal system. International Journal of Biological Macromolecules, 2019, 137, 1268-1277.	3.6	0
61	Non-photoisomerizable butterfly shaped tetrasubstituted azobenzenes: synthesis and photophysical studies. New Journal of Chemistry, 2020, 44, 8818-8822.	1.4	0