AssocâEProfâEDr Paitoon Rashatasakho

List of Publications by Year
in descending order

42 papers	797 citations	567281 15 h-index	526287 27 g-index
42 all docs	42 docs citations	42 times ranked	1062 citing authors

#	Article	IF	Citations
1	1,3,5-Triphenylbenzene fluorophore as a selective Cu²⁺sensor in aqueous media. Chemical Communications, 2012, 48, 293-295.	4.1	95
2	Tunable star-shaped triphenylamine fluorophores for fluorescence quenching detection and identification of nitro-aromatic explosives. Chemical Communications, 2013, 49, 780-782.	4.1	85
3	A Polyanionic Dendritic Fluorophore for Selective Detection of Hg²⁺ in Triton X-100 Aqueous Media. Organic Letters, 2009, 11, 2768-2771.	4.6	54
4	A novel indolium salt as a highly sensitive and selective fluorescent sensor for cyanide detection in water. Journal of Hazardous Materials, 2017, 329, 255-261.	12.4	48
5	Protein discrimination by fluorescent sensor array constituted of variously charged dendritic phenyleneâ€“ethynylene fluorophores. Biosensors and Bioelectronics, 2010, 26, 863-867.	10.1	46
6	Ferrocenyl derivative of 1,8-naphthalimide as a new turn-on fluorescent sensor for Au(III) ion. Dyes and Pigments, 2015, 112, 236-238.	3.7	44
7	Solvatochromic triazaborolopyridinium probes toward ultra-sensitive trace water detection in organic solvents. Dyes and Pigments, 2020, 181, 108554.	3.7	42
8	Dipyrenylcarbazole Derivatives for Blue Organic Lightâ€Emitting Diodes. Chemistry - an Asian Journal, 2010, 5, 2162-2167.	3.3	34
9	Pyrenyl benzimidazole-isoquinolinones: Aggregation-induced emission enhancement property and application as TNT fluorescent sensor. Sensors and Actuators B: Chemical, 2017, 248, 665-672.	7.8	23
10	Fluorescent Sensor for Copper(II) and Cyanide Ions via the Complexationâ€“Decomplexation Mechanism with Di(bissulfonamido)spirobifluorene. ACS Omega, 2021, 6, 16696-16703.	3.5	22
11	Protective Effects of a Lutein Ester Prodrug, Lutein Diglutaric Acid, against H2O2-Induced Oxidative Stress in Human Retinal Pigment Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 4722.	4.1	21
12	A nitroaromatic fluorescence sensor from a novel tripyrenyl truxene. RSC Advances, 2014, 4, 58077-58082.	3.6	19
13	FRET detection of DNA sequence via electrostatic interaction of polycationic phenyleneethynylene dendrimer with DNA/PNA hybrid. Talanta, 2012, 88, 593-598.	5.5	17
14	Highly sensitive salicylic fluorophore for visual detection of picomole amounts of Cu2+. RSC Advances, 2013, 3, 25215.	3.6	17
15	Water-soluble anionic fluorophores from truxene. Dyes and Pigments, 2012, 93, 1428-1433.	3.7	16
16	Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. New Journal of Chemistry, 2015, 39, 2807-2814.	2.8	16
17	The synergy of CHEF and ICT toward fluorescence â€˜turn-onâ€™ probes based on push-pull benzothiazoles for selective detection of Cu2+ in acetonitrile/water mixture. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 415, 113318.	3.9	15
18	BODIPY-Pyridylhydrazone Probe for Fluorescence Turn-On Detection of Fe3+ and Its Bioimaging Application. Chemosensors, 2021, 9, 165.	3.6	13

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19	Synthesis, characterization, and hole-transporting properties of pyrenyl N-substituted triazatruxenes. RSC Advances, 2016, 6, 56392-56398.	3.6	12
20	Aminoquinolineâ€Salicylaldimine Dyads as Highly Selective Turnâ€On Fluorescent Sensors for Zinc (II) Ions. ChemistrySelect, 2018, 3, 3495-3499.	1.5	12
21	Selective fluorescent sensors for gold(III) ion from N-picolyl sulfonamide spirobifluorene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 402, 112823.	3.9	12
22	Enantioselective Separation of Racemic Amlodipine by Two-Phase Chiral Extraction ContainingO,Oâ€²-Dibenzoyl-(2S,3S)-Tartaric Acid as Chiral Selector. Separation Science and Technology, 2013, 48, 2363-2371.	2.5	11
23	N-Bromosuccinimide mediated synthesis of triazatruxenes from indoles. Tetrahedron Letters, 2017, 58, 4149-4152.	1.4	11
24	Solution processed blue-emitting and hole-transporting materials from truxene-carbazole-pyrene triads. Organic Electronics, 2018, 57, 352-358.	2.6	11
25	Hydrophilic Truxene Derivative as a Fluorescent off-on Sensor for Copper (II) Ion and Phosphate Species. Journal of Fluorescence, 2019, 29, 417-424.	2.5	11
26	Synthesis and characterization of hole-transporting star-shaped carbazolyl truxene derivatives. RSC Advances, 2015, 5, 72841-72848.	3.6	10
27	A â€œturn onâ€•fluorometric and colorimetric probe based on vinylphenol-BODIPY for selective detection of Au(III) ion in solution and in living cells. Dyes and Pigments, 2021, 191, 109341.	3.7	10
28	Aryl Ethynylpyrene as Fluorescent Sensors for Cyanide Ions in Aqueous Media. ChemistrySelect, 2020, 5, 4303-4306.	1.5	8
29	Fluorescence Sensors for Bismuth (III) Ion from Pyreno[4,5â€d]imidazole Derivatives. Photochemistry and Photobiology, 2021, 97, 301-308.	2.5	8
30	Selective Enantioseparation of Racemic Amlodipine by Biphasic Recognition Chiral Separation System. Separation Science and Technology, 2014, 49, 1357-1365.	2.5	7
31	A highly selective turn-on fluorescent sensor for glucosamine from amidoquinoline-napthalimide dyads. Biosensors and Bioelectronics, 2016, 86, 472-476.	10.1	7
32	Novel sulfonamidospirobifluorenes as fluorescent sensors for mercury(<scp>ii</scp>) ion and glutathione. RSC Advances, 2019, 9, 11451-11458.	3.6	7
33	Substituent effect on quantum efficiency in 4-aryloxy-N-(2â€²,6â€²-diisopropylphenyl)-1,8-naphthalimides: Experimental and computational investigations. Dyes and Pigments, 2014, 109, 175-180.	3.7	6
34	Salicylyl Fluorene Derivatives as Fluorescent Sensors for Cu(II) Ions. Journal of Fluorescence, 2016, 26, 745-752.	2.5	6
35	Water-soluble branched phenylene-ethynylene fluorophores with N-phenylcarbazole core. Sensors and Actuators B: Chemical, 2013, 178, 296-301.	7.8	5
36	Salicylaldimineâ€functionalized poly(mâ€phenyleneethynylene) as turnâ€on chemosensor for ferric ion. Journal of Polymer Science Part A, 2018, 56, 1155-1161.	2.3	5

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37	New Water Soluble Terphenylene Diethynylene Fluorophores. Journal of Fluorescence, 2014, 24, 197-202.	2.5	4
38	Synthesis, characterization, and hole-transporting properties of benzotriazatruxene derivatives. Journal of Materials Chemistry C, 2019, 7, 15035-15041.	5.5	2
39	Ratiometric Fluorescent Sensor for Copper(II) and Phosphate Ions from Aminopyrene Derivatives. Photochemistry and Photobiology, 2022, 98, 856-863.	2.5	2
40	Synthesis, physicochemical properties, and protective effects of a novel water-soluble tetrahydrocurcumin-diglutaric acid prodrug on ethanol-induced toxicity in HepG2 cells. Journal of Pharmaceutical Investigation, 2022, 52, 477-487.	5.3	2
41	Development of highly soluble perylenetetracarboxylic diimide derivative for n-type monolayer field-effect-transistor. Molecular Crystals and Liquid Crystals, 2018, 669, 94-105.	0.9	1
42	2,3-Diaryl-1,1,4,4-tetracyanobutadienes as colorimetric sensors for hydrogen sulfide ion in aqueous media. Synlett, 0, 0, .	1.8	0