Ashwani Kumar

List of Publications by Year
in descending order

34	1,249	361413	395702
papers	citations	20 h-index	33 g-index

34	34	34	1223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemodosimeters: An approach for detection and estimation of biologically and medically relevant metal ions, anions and thiols. Coordination Chemistry Reviews, 2012, 256, 1992-2028.	18.8	353
2	Chromofluorescent Probes for Selective Detection of Fluoride and Acetate Ions. Organic Letters, 2008, 10, 5549-5552.	4.6	125
3	Pyrene-appended imidazolium probe for 2,4,6-trinitrophenol in water. Sensors and Actuators B: Chemical, 2016, 231, 293-301.	7.8	67
4	New 1,8-naphthalimide-conjugated sulfonamide probes for TNP sensing in water. Sensors and Actuators B: Chemical, 2017, 240, 1-9.	7.8	61
5	A pyrenesulfonyl-imidazolium derivative as a selective cyanide ion sensor in aqueous media. New Journal of Chemistry, 2015, 39, 2935-2942.	2.8	41
6	Electronically tuned sulfonamide-based probes with ultra-sensitivity for Ga3+ or Al3+ detection in aqueous solution. Analytica Chimica Acta, 2017, 958, 38-50.	5.4	40
7	N,N-dimethylaminoethylaminoanthrone â€“ A chromofluorogenic chemosensor for estimation of Cu2+ in aqueous medium and HeLa cells imaging. Sensors and Actuators B: Chemical, 2013, 177, 904-912.	7.8	38
8	Fluorescence tunable thiophene-bis(benzimidazole)-based probes for a cascade trace detection of Hg2+ and lysine: A molecular switch mimic. Sensors and Actuators B: Chemical, 2019, 281, 933-944.	7.8	36
9	9-Anthracenecarboxamide fluorescent probes for selective discrimination of picric acid from mono- and di-nitrophenols in ethanol. Tetrahedron Letters, 2015, 56, 7094-7099.	1.4	31
10	A dual-responsive anthrapyridone-triazole-based probe for selective detection of Ni2+ and Cu2+: A mimetic system for molecular logic gates based on color change. Dyes and Pigments, 2020, 174, 108092.	3.7	30
11	A novel anthrapyridone diamine-based probe for selective and distinctive Cu2+ and Hg2+ sensing in aqueous solution; utility as molecular logic gates. Dyes and Pigments, 2020, 181, 108522.	3.7	30
12	Viologen substituted anthrone derivatives for selective detection of cyanide ions using voltammetry. Analytical Methods, 2013, 5, 5565.	2.7	29
13	Aggregation induced emission enhancement behavior of conformationally rigid pyreneamide-based probe for ultra-trace detection of picric acid (PA). Dyes and Pigments, 2018, 156, 307-317.	3.7	27
14	Pyridoanthrone-based chromo-fluorogenic amphiphiles for selective CNâ¯ detection and their bioimaging application. Sensors and Actuators B: Chemical, 2020, 304, 127396.	7.8	25
15	Sensitive and selective fluorescence OFF-ON-OFF sensor for cascade detection of Ga 3+ cation and I â¯ anion based on pyrenesulfonamide-functionalized inorganic/organic hybrid nanoparticles. Sensors and Actuators B: Chemical, 2017, 239, 85-93.	7.8	24
16	Pyrene-appended imidazolium probes as 3,5-dinitrosalicylic acid sensors in 10% aqueous media. Dyes and Pigments, 2015, 122, 351-358.	3.7	23
17	TURN-ON fluorescence detection of cyanide using an ensemble system consisting of a dansyl-based cationic probe and dicyanovinyl derivative. Dyes and Pigments, 2019, 162, 348-357.	3.7	23
18	N-(3-Imidazolyl)propyl dansylamide as a selective Hg2+ sensor in aqueous media through electron transfer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 148, 250-254.	3.9	22

#	Article	IF	Citations
19	Anthroneamine based chromofluorogenic probes for Hg2+ detection in aqueous solution. Tetrahedron Letters, 2012, 53, 2030-2034.	1.4	21
20	Selective fluorescence sensing of salicylic acids using a simple pyrenesulfonamide receptor. RSC Advances, 2015, 5, 23613-23621.	3.6	21
21	Pyrenebutylamidopropylimidazole as a multi-analyte sensor for 3,5-dinitrosalicylic acid and Hg 2+ ions. Journal of Luminescence, 2016, 172, 309-316.	3.1	21
22	Chromofluorogenic naphthoquinolinedione-based probes for sensitive detection and removal of Hg2+ in aqueous solutions. Dyes and Pigments, 2022, 198, 110025.	3.7	21
23	9-N-Alkylaminomethylanthracene probes for selective fluorescence sensing of pentafluorophenol. RSC Advances, 2015, 5, 81808-81816.	3.6	20
24	Imidazole-appended 9,10-anthracenedicarboxamide probe for sensing nitrophenols and selective determination of 2,4,6-trinitrophenol in an EtOHâ€“water medium. RSC Advances, 2016, 6, 68627-68637.	3.6	18
25	A simple and dual responsive ultrasensitive thioether-functionalized pyrenesulfonamide for the cascade detection of mercury ion and dithiouracil, a mimetic system for molecular logic gates. Sensors and Actuators B: Chemical, 2017, 251, 416-426.	7.8	18
26	Internal electric field driven chromofluorescent chemodosimeter for fluoride ions. Sensors and Actuators B: Chemical, 2010, 145, 1-6.	7.8	16
27	Sensitive detection of DMSO/DMF in water, human urine and blood plasma using novel 1,8-naphthalimide-based amphiphilic spectroscopic probes. Dyes and Pigments, 2021, 189, 109240.	3.7	15
28	Selective fluorescence sensing of 3,5-dinitrosalicylic acid based on pyrenesulfonamide-functionalized inorganic/organic hybrid nanoparticles. Journal of Industrial and Engineering Chemistry, 2016, 44, 82-89.	5.8	12
29	Pyreneamide-based dipodal probes for ultra-sensitive and selective detection of 3,5-dinitrosalicylic acid in an aqueous solution. Dyes and Pigments, 2017, 147, 400-412.	3.7	12
30	Selfâ€Assembly Behaviors of a Pentaâ€Phenylene Maltoside and Its Application for Membrane Protein Study. Chemistry - an Asian Journal, 2019, 14, 1926-1931.	3.3	11
31	A Chromo-Fluorogenic Naphthoquinolinedione-Based Probe for Dual Detection of Cu2+ and Its Use for Various Water Samples. Molecules, 2022, 27, 785.	3.8	7
32	A bis(fluorenyl-triazole)-conjugated naphthoquinoline-dione probe for a cascade detection of Cu2+ and Fâ¯ and its logic circuit with a memory unit. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114048.	3.9	6
33	Development of 1,3-acetonedicarboxylate-derived glucoside amphiphiles (ACAs) for membrane protein study. Chemical Science, 2022, 13, 5750-5759.	7.4	5
34	A Facile Method for Detection of Substituted Salicylic Acids Using Pyrenesulfonamideâ€Terminated Selfâ€Assembled Monolayers on Silicon Oxide Surfaces. Bulletin of the Korean Chemical Society, 2016, 37, 748-751.	1.9	0