

Sharad Kumar Asthana

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Brightening Quinolineimines by Al ³⁺ and Subsequent Quenching by PPI/PA in Aqueous Medium: Synthesis, Crystal Structures, Binding Behavior, Theoretical and Cell Imaging Studies. <i>Inorganic Chemistry</i> , 2017, 56, 3315-3323.	1.9	41
2	A remarkable effect of N,N-diethylamino functionality on the optoelectronic properties of a salicylimine-based probe for Al ³⁺ . <i>Dalton Transactions</i> , 2014, 43, 5831-5839.	1.6	38
3	A highly sensitive naphthaoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. <i>RSC Advances</i> , 2016, 6, 94959-94966.	1.7	24
4	A selective hydrolytic and restructuring approach through a Schiff base design on a coumarin platform for turn-on fluorogenic sensing of Zn ²⁺ . <i>Dalton Transactions</i> , 2019, 48, 2068-2076.	1.6	24
5	A dichloro-substituted salicylimine as a bright yellow emissive probe for Al ³⁺ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 69-76.	2.0	18
6	Design-specific mechanistic regulation of the sensing phenomena of two Schiff bases towards Al ³⁺ . <i>RSC Advances</i> , 2016, 6, 55430-55437.	1.7	17
7	A reaction based chromofluorogenic turn-on probe for specific detection of fluoride over sulfide/thiols. <i>Tetrahedron Letters</i> , 2014, 55, 5988-5992.	0.7	16
8	A smart ratiometric red fluorescent chemodosimeter for fluoride based on anthraquinone nosylate. <i>New Journal of Chemistry</i> , 2017, 41, 5098-5104.	1.4	15
9	Efficient visualization of H ₂ S via a fluorescent probe with three electrophilic centres. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3690-3694.	1.5	13
10	An incisive optical recognition of monohydrogen phosphate by a fluorescein-based chemodosimeter. <i>New Journal of Chemistry</i> , 2020, 44, 2201-2205.	1.4	8
11	Cysteine driven decomposition and quenching of a fluorescent metalloreceptor: Optical detection and mechanistic insight. <i>Inorganica Chimica Acta</i> , 2022, 532, 120739.	1.2	0