

# Ashutosh Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

511  
citations

933264

10  
h-index

1281743

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel pyrene- and anthracene-based Schiff base derivatives as Cu <sup>2+</sup> and Fe <sup>3+</sup> fluorescence turn-on sensors and for aggregation induced emissions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1310-1318.	5.2	245
2	A new pyrene-based aggregation induced ratiometric emission probe for selective detections of trivalent metal ions and its living cell application. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 338-345.	4.0	67
3	Naked eye and fluorescent detections of Hg <sup>2+</sup> ions and Cysteine via J-aggregation and deaggregation of a perylene bisimide derivative. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 229-237.	4.0	40
4	Monomeric and aggregation emissions of tetraphenylethene in a photo-switchable polymer controlled by cyclization of diarylethene and solvent conditions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9952-9962.	2.7	37
5	Cost-effective dopant-free star-shaped oligo-aryl amines for high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14209-14221.	5.2	37
6	Novel Water-Soluble Cyclodextrin-Based Conjugated Polymer for Selective Host-Guest Interactions of Cationic Surfactant CTAB and Reverse FRET with Rhodamine B Tagged Adamantyl Guest. <i>Macromolecules</i> , 2016, 49, 5587-5598.	2.2	20
7	Synthesis of novel platinum complex core as a selective Ag <sup>+</sup> sensor and its H-bonded tetrads self-assembled with triarylamine dendrimers for electron/energy transfers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17463-17476.	5.2	17
8	Synthesis of fluorinated benzotriazole (BTZ)- and benzodithiophene (BDT)-based low-bandgap conjugated polymers for solar cell applications. <i>Dyes and Pigments</i> , 2017, 139, 349-360.	2.0	16
9	Exploration of Energy Modulations in Novel RhB-TPE-Based Bichromophoric Materials via Interactions of Cu <sup>2+</sup> Ion under Various Semiaqueous and Micellar Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6751-6762.	4.0	15
10	Bis(diphenylamine)-Tethered Carbazolyl Anthracene Derivatives as Hole-Transporting Materials for Stable and High-Performance Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 10752-10764.	2.5	12
11	Novel fluoride-substituted donor/acceptor polymers containing benzodithiophene and quinoxaline units for use in low-band gap solar cells. <i>European Polymer Journal</i> , 2016, 82, 334-346.	2.6	5