

Naveen Mergu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

1,722
citations

17
h-index

30
g-index

30
ext. papers

1,882
ext. citations

5.6
avg, IF

5.36
L-index

#	Paper	IF	Citations
30	Design and synthesis of polydiacetylenes, and their low temperature irreversible thermochromic properties. <i>Dyes and Pigments</i> , 2021 , 184, 108839	4.6	7
29	A simple and fast responsive colorimetric moisture sensor based on symmetrical conjugated polymer. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127906	8.5	15
28	A diaminomaleonitrile-appended BODIPY chemosensor for the selective detection of Cu via oxidative cyclization and imaging in SiHa cells and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 233, 118179	4.4	10
27	Fabrication and topochemically controlled diacetylene-based polymer and its colorimetric application toward HCl detection. <i>Dyes and Pigments</i> , 2020 , 174, 108061	4.6	13
26	Electrochemical, Photophysical and Theoretical Studies of Novel Zinc Phthalocyanines. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5402-5410	1.3	2
25	A photocatalytic comparison study between tin complex and carboxylic acid derivatives of porphyrin/TiO ₂ composites. <i>Research on Chemical Intermediates</i> , 2020 , 46, 313-328	2.8	5
24	Development of naphthalimide-functionalized thermochromic conjugated polydiacetylenes and their reversible green-to-red chromatic transition in the solid state. <i>Dyes and Pigments</i> , 2019 , 164, 355-362	4.6	14
23	Synthesis of novel betaine dyes for multi chromic sensors. <i>Journal of Molecular Structure</i> , 2019 , 1187, 151-163	3.4	4
22	Synthesis of a new phenothiazine-carbazole polymer derivative and utilization in an electrochromic cell. <i>Synthetic Metals</i> , 2018 , 240, 1-7	3.6	4
21	A coumarin-derived Cu-fluorescent chemosensor and its direct application in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 571-580	4.4	34
20	Synthesis, Optical, Electrochemical and Theoretical Studies of New Multicyclic Substituted Phthalocyanines. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3192-3205	1.3	2
19	Imidazole-containing ratiometric receptor for the selective and sensitive detection of cyanide and fluoride via deprotonation and a receptor-anion ensemble for Cu ²⁺ sensing. <i>Journal of Luminescence</i> , 2018 , 204, 244-252	3.8	16
18	Highly selective naphthalimide-benzothiazole hybrid-based colorimetric and turn on fluorescent chemosensor for cyanide and tryptophan detection in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 143-152	8.5	27
17	AIE-active and reversible mechanochromic tetraphenylethene-tetradiphenylacrylonitrile hybrid luminogens with re-writable optical data storage application. <i>Dyes and Pigments</i> , 2017 , 146, 7-13	4.6	44
16	Photophysical, electrochemical, thermal and aggregation properties of new metal phthalocyanines. <i>Journal of Molecular Structure</i> , 2017 , 1147, 469-479	3.4	28
15	Solvent effect on the thermochromism of new betaine dyes. <i>Dyes and Pigments</i> , 2017 , 136, 458-466	4.6	8
14	An easily accessible switch-on optical chemosensor for the detection of noxious metal ions Ni(II), Zn(II), Fe(III) and UO ₂ (II). <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 468-482	8.5	73

13	Synthesis and characterization of triphenylamine-based polymers and their application towards solid-state electrochromic cells. <i>RSC Advances</i> , 2016 , 6, 78984-78993	3.7	12
12	Novel synthesized antipyrine derivative based Naked eye colorimetric chemosensors for Al ³⁺ and Cr ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2016 , 231, 847-859	8.5	64
11	A new multifunctional rhodamine-derived probe for colorimetric sensing of Cu(II) and Al(III) and fluorometric sensing of Fe(III) in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 101-113	8.5	169
10	A novel optical sensor for copper ions based on phthalocyanine tetrasulfonic acid. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 389-394	8.5	94
9	Highly sensitive and selective colorimetric and off-on fluorescent reversible chemosensors for Al ³⁺ based on the rhodamine fluorophore. <i>Sensors</i> , 2015 , 15, 9097-111	3.8	56
8	Selective naked-eye detection of Magnesium (II) ions using a coumarin-derived fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 216-223	8.5	293
7	Rhodamine-derived highly sensitive and selective colorimetric and off-on optical chemosensors for Cr ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 420-432	8.5	55
6	A reversible fluorescence "off-on-off" sensor for sequential detection of aluminum and acetate/fluoride ions. <i>Talanta</i> , 2015 , 144, 80-9	6.2	307
5	A novel colorimetric detection probe for copper(II) ions based on a Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 408-417	8.5	85
4	Antipyrine based Schiff bases as Turn-on Fluorescent sensors for Al (III) ion. <i>Electrochimica Acta</i> , 2014 , 117, 405-412	6.7	81
3	Fluorescent chemosensors for Zn ²⁺ ions based on flavonol derivatives. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 674-682	8.5	67
2	Comparative study of colorimetric sensors based on newly synthesized Schiff bases. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 642-651	8.5	103
1	A new beryllium ion-selective membrane electrode based on dibenzo(perhydrotriazino)aza-14-crown-4 ether. <i>Analytica Chimica Acta</i> , 2012 , 749, 44-50	6.6	30