

# Duraisamy Chellappa

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,108  
citations

257101

24  
h-index

552369

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically diverse small molecule fluorescent chemosensors for copper ion. <i>Coordination Chemistry Reviews</i> , 2018, 357, 50-104.	9.5	304
2	Turn-on fluorescent chemosensor for Zn(ii) via ring opening of rhodamine spirolactam and their live cell imaging. <i>Analyst</i> , 2012, 137, 5881.	1.7	184
3	Rhodamine based sensor for naked-eye detection and live cell imaging of fluoride ions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5768.	2.9	168
4	Rhodamine based selective turn-on sensing of picric acid. <i>RSC Advances</i> , 2014, 4, 30828-30831.	1.7	150
5	Turn-on fluorogenic and chromogenic detection of Fe(III) and its application in living cell imaging. <i>Journal of Luminescence</i> , 2014, 145, 480-485.	1.5	119
6	Aminoquinoline based highly sensitive fluorescent sensor for lead(II) and aluminum(III) and its application in live cell imaging. <i>Analytica Chimica Acta</i> , 2015, 853, 596-601.	2.6	116
7	Development of a pyrene based "turn on" fluorescent chemosensor for Hg <sup>2+</sup> . <i>RSC Advances</i> , 2012, 2, 10605.	1.7	103
8	Aminobenzohydrazide based colorimetric and "turn-on" fluorescence chemosensor for selective recognition of fluoride. <i>Analytica Chimica Acta</i> , 2015, 876, 1-8.	2.6	98
9	Anthracene- and pyrene-bearing imidazoles as turn-on fluorescent chemosensor for aluminum ion in living cells. <i>Dyes and Pigments</i> , 2019, 163, 204-212.	2.0	92
10	Pyrene based selective "ratiometric fluorescent sensing of zinc and pyrophosphate ions. <i>Analytical Methods</i> , 2014, 6, 2343-2348.	1.3	86
11	Quinazoline copper(II) ensemble as turn-on fluorescence sensor for cysteine and chemodosimeter for NO. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 281, 47-52.	2.0	77
12	Anthracene-Based Highly Selective and Sensitive Fluorescent "Turn-on" Chemodosimeter for Hg <sup>2+</sup> . <i>ACS Omega</i> , 2018, 3, 12341-12348.	1.6	67
13	Colorimetric and turn-on fluorescence detection of Ag(I) ion. <i>Tetrahedron Letters</i> , 2014, 55, 671-675.	0.7	64
14	Diverse benzothiazole based chemodosimeters for the detection of cyanide in aqueous media and in HeLa cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 434-442.	4.0	57
15	Quick accessible dual mode turn-on red fluorescent chemosensor for Cu(ii) and its applicability in live cell imaging. <i>RSC Advances</i> , 2013, 3, 17029.	1.7	56
16	Hg <sup>2+</sup> mediated quinazoline ensemble for highly selective recognition of Cysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 18-24.	2.0	53
17	A ratiometric fluorescent sensor for selective recognition of Al <sup>3+</sup> ions based on a simple benzimidazole platform. <i>RSC Advances</i> , 2013, 3, 20984.	1.7	51
18	Triazole based ratiometric fluorescent probe for Zn <sup>2+</sup> and its application in bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 40-46.	2.0	49

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19	A bifunctional chromogenic and fluorogenic probe for $Fa^{2+}$ and $Al^{3+}$ based on azo-benzimidazole conjugate. <i>Journal of Luminescence</i> , 2015, 157, 383-389.	1.5	41
20	A new multifunctional benzimidazole tagged coumarin as ratiometric fluorophore for the detection of $Cd^{2+}/Fa^{2+}$ ions and imaging in live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 557-567.	2.0	36
21	Vitamin B <sub>6</sub> cofactor based fluorescent probe for sensing an anion ( $F^{â-}$ ) and cation ( $Co^{2+}$ ) independently in a pure aqueous medium. <i>RSC Advances</i> , 2014, 4, 25393-25397.	1.7	32
22	Fluorescein Based Turn On™™ Fluorescence Detection of $Zn^{2+}$ and Its Applications in Imaging of $Zn^{2+}$ in Apoptotic Cells. <i>ChemistrySelect</i> , 2016, 1, 4024-4029.	0.7	28
23	Novel indole based dual responsive turn-on chemosensor for fluoride ion detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1269-1274.	2.0	27
24	A Fluorescence Switch for the Detection of Nitric Oxide and Histidine and Its Application in Live Cell Imaging. <i>ChemPlusChem</i> , 2014, 79, 1761-1766.	1.3	26
25	Microwave Assisted Synthesis of Imidazoquinazoline for Chemosensing of $Pb^{2+}$ and $Fe^{3+}$ and Living Cell Application. <i>ChemistrySelect</i> , 2018, 3, 1282-1288.	0.7	13
26	Charge transfer based turn-on chemosensor for $Zn^{2+}$ ion recognition using new triaryl pyrazoline derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 231-237.	2.0	11