

# Nantanit Wanichacheva

## List of Publications by Citations

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33  
papers

513  
citations

14  
h-index

22  
g-index

39  
ext. papers

612  
ext. citations

4.8  
avg, IF

3.89  
L-index

#	Paper	IF	Citations
33	Dual-Analyte Fluorescent Sensor Based on [5]Helicene Derivative with Super Large Stokes Shift for the Selective Determinations of Cu or Zn in Buffer Solutions and Its Application in a Living Cell. <i>ACS Sensors</i> , <b>2018</b> , 3, 1016-1023	9.2	50
32	Dual optical Hg <sup>2+</sup> -selective sensing through FRET system of fluorescein and rhodamine B fluorophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 278, 75-81	4.7	48
31	Dual optical detection of a novel selective mercury sensor based on 7-nitrobenzo-2-oxa-1,3-diazolyl subunits. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 1783-1786	2	42
30	"Naked-eye" colorimetric and "turn-on" fluorometric chemosensors for reversible Hg <sup>2+</sup> detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 908-14	4.4	35
29	Highly sensitive and selective Hg <sup>2+</sup> -chemosensor based on dithia-cyclic fluorescein for optical and visual-eye detections in aqueous buffer solution. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 224, 201-208	8.5	33
28	Synthesis of a novel fluorescent sensor bearing dansyl fluorophores for the highly selective detection of mercury (II) ions. <i>Molecules</i> , <b>2010</b> , 15, 1798-810	4.8	28
27	Highly Hg <sup>2+</sup> -sensitive and selective fluorescent sensors in aqueous solution and sensors-encapsulated polymeric membrane. <i>RSC Advances</i> , <b>2016</b> , 6, 10401-10411	3.7	26
26	Turn-on naphthalimide fluorescent sensor with high quantum yield and large Stokes shift for the determination of Cu(II). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 330, 55-63	4.7	22
25	Near-infrared aza-BODIPY fluorescent probe for selective Cu detection and its potential in living cell imaging. <i>Dalton Transactions</i> , <b>2017</b> , 46, 16251-16256	4.3	21
24	Oligoethylene glycol-substituted aza-BODIPY dyes as red emitting ER-probes. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 8271-6	3.9	20
23	Colorimetric and fluorescent sensing of a new FRET system via [5]helicene and rhodamine 6G for Hg <sup>2+</sup> detection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1396-1402	3.6	20
22	Highly Cu <sup>2+</sup> -sensitive and selective colorimetric and fluorescent probes: Utilizations in batch, flow analysis and living cell imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 868-878	8.5	19
21	A new fluorescent sensor bearing three dansyl fluorophores for highly sensitive and selective detection of mercury(II) ions. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 6133-6136	2	19
20	Turn-ON[5]helicene-based fluorescence sensor with very large Stokes shift for highly selective detection of Ag <sup>+</sup> and AgNPs. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 862-870	8.5	16
19	Novel Cu <sup>2+</sup> -specific Turn-ON fluorescent probe based on [5]helicene with very large Stokes shift and its potential application in living cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5540-5547	3.6	13
18	A Near-Infrared Fluorescence Chemosensor Based on Isothiocyanate-Aza-BODIPY for Cyanide Detection at the Parts per Billion Level: Applications in Buffer Media and Living Cell Imaging. <i>ChemPlusChem</i> , <b>2019</b> , 84, 252-259	2.8	11
17	Water-soluble Cu <sup>2+</sup> -fluorescent sensor based on core-substituted naphthalene diimide and its application in drinking water analysis and live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111852	4.7	10

16	Detection of hazardous mercury ion using [5]helicene-based fluorescence probe with "TurnON" sensing response for practical applications. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 418, 126242	12.8	10
15	[5]Helicene-rhodamine 6 G hybrid-based sensor for ultrasensitive Hg <sup>2+</sup> detection and its biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 394, 112473	4.7	9
14	Cu-selective NIR fluorescence sensor based on heptamethine cyanine in aqueous media and its application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 240, 118606	4.4	9
13	Triple detection modes for Hg <sup>2+</sup> sensing based on a NBD-fluorescent and colorimetric sensor and its potential in cell imaging. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12412-12420	3.6	9
12	A method to detect Hg <sup>2+</sup> in vegetable via a Turn-ON Hg <sup>2+</sup> -fluorescent sensor with a nanomolar sensitivity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 389, 112224	4.7	8
11	A new water-soluble Fe <sup>3+</sup> fluorescence sensor with a large Stokes shift based on [5]helicene derivative: Its application in flow injection analysis and biological systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 401, 112769	4.7	8
10	Environmentally Friendly Ag <sup>+</sup> Detection of Turn-on Fluorescent Sensor with a Mega-Stokes Shift and Its Application in Biological Systems. <i>Oriental Journal of Chemistry</i> , <b>2019</b> , 35, 1227-1234	0.8	5
9	Colorimetric sensor for detection of Hg <sup>2+</sup> in aqueous samples utilizing rhodamine B hydrazide-modified silica. <i>Materials Express</i> , <b>2015</b> , 5, 300-308	1.3	5
8	Turn-On fluorescence resonance energy transfer (FRET)-based electrospun fibrous membranes: Rapid and ultrasensitive test strips for on-site detection of Mercury (II) ion. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130212	8.5	5
7	Natural Colorimetric Sensor from Sappanwood for Turn-on Selective Fe <sup>2+</sup> Detection in Aqueous Media and Its Application in Water and Pharmaceutical Samples. <i>Chemistry Letters</i> , <b>2019</b> , 48, 678-681	1.7	2
6	New Di-, Tri-, and Tetra-Core-Functionalized Naphthalene Diimides from Reactions of Allyl Ethers with Lewis Acids. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 47-53	3	2
5	Synthesis of Novel Fluorescent Sensors Based on Naphthalimide Fluorophores for the Highly Selective Hg <sup>2+</sup> -Sensing. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-9	2.3	2
4	Rapid and visual detection of Cd based on aza-BODIPY near infrared dye and its application in real and biological samples for environmental contamination screening. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124487	12.8	2
3	Near infrared and colorimetric fluorescence sensor for ultra-selective detection of Cu <sup>2+</sup> level with applications in diverse water samples, brain tumor cell and flow injection analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 421, 113533	4.7	2
2	Near-IR aza-BODIPY-based probe for the selective simultaneous detection of Cu <sup>2+</sup> in aqueous buffer solutions and its application in biological samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 400, 112641	4.7	1
1	Dual Mode of Cyanide Detection by Fluorescein-Based Turn-ON Bi-Signaling Fluorescence and Colorimetric Sensing: Agricultural Product and Cellular Studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 113636	4.7	0