

An-Tai Wu

List of Publications by Year in descending order

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43
papers

1,214
citations

430874

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377865

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docs citations

43
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. <i>Biomaterials Science</i> , 2021, 9, 4679-4690.	5.4	9
2	A new fluorescence turn-on sensor for the distinct detection of Zn ²⁺ and Al ³⁺ : Experimental and density functional theory study. <i>Inorganica Chimica Acta</i> , 2020, 502, 119295.	2.4	21
3	A Schiff-based fluorescence sensor for the detection of Cu ²⁺ and its application in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112326.	3.9	17
4	A Highly Selective and Sensitive Fluorescent Chemosensor for Detecting Al ³⁺ Ion in Aqueous Solution and Plant Systems. <i>Sensors</i> , 2019, 19, 623.	3.8	13
5	1,10-Phenanthroline based colorimetric and fluorescent sensor for Hg ²⁺ in water: Experimental and DFT study. <i>Inorganica Chimica Acta</i> , 2018, 469, 397-401.	2.4	15
6	A novel fluorescence sensor for dual sensing of Hg ²⁺ and Cu ²⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 19-25.	3.9	26
7	A multifunctional Schiff base fluorescence sensor for Hg ²⁺ , Cu ²⁺ and Co ²⁺ ions. <i>RSC Advances</i> , 2017, 7, 2460-2465.	3.6	40
8	A selective colorimetric chemosensor for Fe ³⁺ . <i>Luminescence</i> , 2017, 32, 1561-1566.	2.9	9
9	A Selective Colorimetric and Turn-on Fluorescent Chemosensor for Hg ²⁺ in Aqueous Solution. <i>Journal of Fluorescence</i> , 2017, 27, 317-322.	2.5	6
10	A colorimetric sensor for the selective detection of fluoride ions. <i>Luminescence</i> , 2017, 32, 353-357.	2.9	7
11	A fluorescent chemosensor based on naphthol for detection of Zn ²⁺ . <i>Luminescence</i> , 2016, 31, 236-240.	2.9	19
12	A reaction-based fluorescent sensor for detection of cyanide in aqueous media. <i>Journal of Luminescence</i> , 2016, 173, 25-29.	3.1	35
13	A turn-on Schiff-base fluorescence sensor for Mg ²⁺ ion and its practical application. <i>Journal of Luminescence</i> , 2016, 169, 156-160.	3.1	27
14	A turn-on fluorescent sensor for detection of cyanide in aqueous media. <i>Journal of Luminescence</i> , 2015, 167, 413-417.	3.1	16
15	A selective colorimetric and ratiometric fluorescent chemosensor for detection of Al ³⁺ ion. <i>Journal of Luminescence</i> , 2015, 158, 371-375.	3.1	29
16	A Highly Selective and Turn-on Fluorescence Sensor for Detection of Cyanide. <i>Journal of Fluorescence</i> , 2014, 24, 1723-1726.	2.5	16
17	A selective colorimetric sensor for Cu ²⁺ in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2014, 45, 112-115.	3.9	12
18	A Schiff-based sensor with turn-on fluorescence for selective detection of Hg ²⁺ . <i>Luminescence</i> , 2014, 29, 698-701.	2.9	3

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19	A turn-on indole-based sensor for hydrogen sulfate ion. <i>Luminescence</i> , 2014, 29, 500-503.	2.9	6
20	A colorimetric sensor for Fe ²⁺ ion. <i>Inorganic Chemistry Communication</i> , 2014, 41, 88-91.	3.9	18
21	A highly selective fluorescence turn-on and reversible sensor for Al ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2014, 39, 122-125.	3.9	32
22	A Quinoline Derivative as an Efficient Sensor to Detect Selectively Al ³⁺ ion. <i>Journal of Fluorescence</i> , 2014, 24, 991-994.	2.5	9
23	A Schiff-Based Colorimetric Fluorescent Sensor with the Potential for Detection of Fluoride Ions. <i>Journal of Fluorescence</i> , 2013, 23, 1107-1111.	2.5	15
24	Indole-based Fluorescent Sensors for Selective Detection of Hg ²⁺ . <i>Journal of Fluorescence</i> , 2013, 23, 629-634.	2.5	12
25	A turn-on and reversible Schiff-base fluorescence sensor for Al ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2013, 35, 273-275.	3.9	22
26	A turn-on Schiff-base fluorescence sensor for Fe ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2013, 38, 74-77.	3.9	18
27	A fluorescence enhancement-based sensor for hydrogen sulfate ion. <i>Analyst, The</i> , 2012, 137, 1553.	3.5	50
28	A turn-on Schiff base fluorescence sensor for zinc ion. <i>Tetrahedron Letters</i> , 2012, 53, 5848-5851.	1.4	132
29	A turn-on and reversible fluorescence sensor for Al ³⁺ ion. <i>Analyst, The</i> , 2012, 137, 5201.	3.5	127
30	A turn-on and reversible fluorescence sensor for zinc ion. <i>Analyst, The</i> , 2012, 137, 4415.	3.5	135
31	Highly selective and sensitive fluorescent chemosensor for Hg ²⁺ in aqueous solution. <i>Tetrahedron Letters</i> , 2012, 53, 1169-1172.	1.4	13
32	Synthesis of Highly Selective Indole-Based Sensors for Mercuric Ion. <i>Journal of Fluorescence</i> , 2011, 21, 1021-1026.	2.5	6
33	Hydrolysis of cellulose in synergistic mixtures of β -glucosidase and endo/exocellulase Cel9A from <i>Thermobifida fusca</i> . <i>Biotechnology Letters</i> , 2011, 33, 777-782.	2.2	16
34	Effect of bis-triazoles on a ribose-based fluorescent sensor. <i>Luminescence</i> , 2011, 26, 518-522.	2.9	17
35	A sugar-aza-crown ether-based fluorescent sensor for Cu ²⁺ and Hg ²⁺ ions. <i>Carbohydrate Research</i> , 2011, 346, 978-981.	2.3	33
36	Synthesis of a sugar-aza-crown ether-based cavitand as a selective fluorescent chemosensor for Cu ²⁺ ion. <i>Tetrahedron Letters</i> , 2010, 51, 109-111.	1.4	52

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37	A water-soluble ribosyl-based fluorescent sensor for Hg ²⁺ and Cu ²⁺ ions. Carbohydrate Research, 2010, 345, 956-959.	2.3	39
38	A pyrenyl-appended triazole-based ribose as a fluorescent sensor for Hg ²⁺ ion. Carbohydrate Research, 2010, 345, 2557-2561.	2.3	38
39	Convenient approaches to synthesis of furanoid sugar-aza-crown ethers from C-ribosyl azido aldehyde via a reductive amination/amidation. Carbohydrate Research, 2009, 344, 1020-1023.	2.3	16
40	Synthesis and biological evaluation of ether bridged bicyclic iminosugar derivatives. Carbohydrate Research, 2009, 344, 1639-1645.	2.3	4
41	A sugar-aza-crown ether-based fluorescent sensor for Hg ²⁺ and Cu ²⁺ . Carbohydrate Research, 2009, 344, 2236-2239.	2.3	60
42	Synthesis of iminoalditol and N-alkyl iminoalditol derivatives of ribopyranosides. Carbohydrate Research, 2008, 343, 2887-2893.	2.3	6
43	1-C-(2-oxoalkyl) glycosides as latent α,β -unsaturated conjugates. Synthesis of aza-C-glycosides by an intramolecular hetero-Michael addition. Tetrahedron, 2005, 61, 11716-11722.	1.9	18