An-Tai Wu

List of Publications by Year
in descending order

43 papers	1,214 citations	430874 18 h-index	377865 34 g-index
43 all docs	43 docs citations	43 times ranked	1377 citing authors

#	Article	IF	Citations
1	A turn-on and reversible fluorescence sensor for zinc ion. Analyst, The, 2012, 137, 4415.	3.5	135
2	A turn-on Schiff base fluorescence sensor for zinc ion. Tetrahedron Letters, 2012, 53, 5848-5851.	1.4	132
3	A turn-on and reversible fluorescence sensor for Al3+ ion. Analyst, The, 2012, 137, 5201.	3.5	127
4	A sugar-aza-crown ether-based fluorescent sensor for Hg2+ and Cu2+. Carbohydrate Research, 2009, 344, 2236-2239.	2.3	60
5	Synthesis of a sugar-aza-crown ether-based cavitand as a selective fluorescent chemosensor for Cu2+ ion. Tetrahedron Letters, 2010, 51, 109-111.	1.4	52
6	A fluorescence enhancement-based sensor for hydrogen sulfate ion. Analyst, The, 2012, 137, 1553.	3.5	50
7	A multifunctional Schiff base fluorescence sensor for Hg²⁺, Cu²⁺ and Co²⁺ ions. RSC Advances, 2017, 7, 2460-2465.	3.6	40
8	A water-soluble ribosyl-based fluorescent sensor for Hg2+ and Cu2+ ions. Carbohydrate Research, 2010, 345, 956-959.	2.3	39
9	A pyrenyl-appended triazole-based ribose as a fluorescent sensor for Hg2+ ion. Carbohydrate Research, 2010, 345, 2557-2561.	2.3	38
10	A reaction-based fluorescent sensor for detection of cyanide in aqueous media. Journal of Luminescence, 2016, 173, 25-29.	3.1	35
11	A sugar-aza-crown ether-based fluorescent sensor for Cu2+ and Hg2+ ions. Carbohydrate Research, 2011, 346, 978-981.	2.3	33
12	A highly selective fluorescence turn-on and reversible sensor for Al3+ ion. Inorganic Chemistry Communication, 2014, 39, 122-125.	3.9	32
13	A selective colorimetric and ratiometric fluorescent chemosensor for detection of Al3+ ion. Journal of Luminescence, 2015, 158, 371-375.	3.1	29
14	A turn-on Schiff-base fluorescence sensor for Mg 2+ ion and its practical application. Journal of Luminescence, 2016, 169, 156-160.	3.1	27
15	A novel fluorescence sensor for dual sensing of Hg2+ and Cu2+ ions. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 19-25.	3.9	26
16	A turn-on and reversible Schiff-base fluorescence sensor for Al3+ ion. Inorganic Chemistry Communication, 2013, 35, 273-275.	3.9	22
17	A new fluorescence turn-on sensor for the distinct detection of Zn2+ and Al3+: Experimental and density functional theory study. Inorganica Chimica Acta, 2020, 502, 119295.	2.4	21
18	A fluorescent chemosensor based on naphthol for detection of Zn²⁺. Luminescence, 2016, 31, 236-240.	2.9	19

#	Article	IF	Citations
19	1-C-(2â€²-Oxoalkyl) glycosides as latent Î±,Î²-unsaturated conjugates. Synthesis of aza-C-glycosides by an intramolecular hetero-Michael addition. Tetrahedron, 2005, 61, 11716-11722.	1.9	18
20	A turn-on Schiff-base fluorescence sensor for Fe3+ ion. Inorganic Chemistry Communication, 2013, 38, 74-77.	3.9	18
21	A colorimetric sensor for Fe2+ ion. Inorganic Chemistry Communication, 2014, 41, 88-91.	3.9	18
22	Effect of bisâ€triazoles on a riboseâ€based fluorescent sensor. Luminescence, 2011, 26, 518-522.	2.9	17
23	A Schiff-based fluorescence sensor for the detection of Cu2+ and its application in living cells. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112326.	3.9	17
24	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
25	Hydrolysis of cellulose in synergistic mixtures of Î²-glucosidase and endo/exocellulase Cel9A from Thermobifida fusca. Biotechnology Letters, 2011, 33, 777-782.	2.2	16
26	A Highly Selective and Turn-on Fluorescence Sensor for Detection of Cyanide. Journal of Fluorescence, 2014, 24, 1723-1726.	2.5	16
27	A turn-on fluorescent sensor for detection of cyanide in aqueous media. Journal of Luminescence, 2015, 167, 413-417.	3.1	16
28	A Schiff-Based Colorimetric Fluorescent Sensor with the Potential for Detection of Fluoride Ions. Journal of Fluorescence, 2013, 23, 1107-1111.	2.5	15
29	1,10-Phenanthroline based colorimetric and fluorescent sensor for Hg2+ in water: Experimental and DFT study. Inorganica Chimica Acta, 2018, 469, 397-401.	2.4	15
30	Highly selective and sensitive fluorescent chemosensor for Hg2+ in aqueous solution. Tetrahedron Letters, 2012, 53, 1169-1172.	1.4	13
31	A Highly Selective and Sensitive Fluorescent Chemosensor for Detecting Al3+ Ion in Aqueous Solution and Plant Systems. Sensors, 2019, 19, 623.	3.8	13
32	Indole-based Fluorescent Sensors for Selective Detection of Hg2+. Journal of Fluorescence, 2013, 23, 629-634.	2.5	12
33	A selective colorimetric sensor for Cu2+ in aqueous solution. Inorganic Chemistry Communication, 2014, 45, 112-115.	3.9	12
34	A Quinoline Derivative as an Efficient Sensor to Detect Selectively Al3+ ion. Journal of Fluorescence, 2014, 24, 991-994.	2.5	9
35	A selective colorimetric chemosensor for Fe³⁺. Luminescence, 2017, 32, 1561-1566.	2.9	9
36	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. Biomaterials Science, 2021, 9, 4679-4690.	5.4	9

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37	A colorimetric sensor for the selective detection of fluoride ions. Luminescence, 2017, 32, 353-357.	2.9	7
38	Synthesis of iminoalditol and N-alkyl iminoalditol derivatives of ribopyranosides. Carbohydrate Research, 2008, 343, 2887-2893.	2.3	6
39	Synthesis of Highly Selective Indole-Based Sensors for Mercuric Ion. Journal of Fluorescence, 2011, 21, 1021-1026.	2.5	6
40	A turnâ€on indoleâ€based sensor for hydrogen sulfate ion. Luminescence, 2014, 29, 500-503.	2.9	6
41	A Selective Colorimetric and Turn-on Fluorescent Chemosensor for Hg2+ in Aqueous Solution. Journal of Fluorescence, 2017, 27, 317-322.	2.5	6
42	Synthesis and biological evaluation of ether bridged bicyclic iminosugar derivatives. Carbohydrate Research, 2009, 344, 1639-1645.	2.3	4
43	A Schiffâ€based sensor with turnâ€on fluorescence for selective detection of Hg²⁺. Luminescence, 2014, 29, 698-701.	2.9	3