

# Zhiyi Yao

## List of Publications by Year in descending order

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45  
papers

1,894  
citations

331670  
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docs citations

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times ranked

2934  
citing authors

#	ARTICLE	IF	CITATIONS
1	A water-soluble fluorescence probe based on perylene diimide for rapid and selective detection of perfluorooctane sulfonate in 100% aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130851.	7.8	13
2	Rapid and sensitive detection of dextran sulfate sodium based on supramolecular self-assembly of a perylene diimide derivative in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120760.	3.9	7
3	Rapid detection of hydrogen sulfide in vegetables and monosodium glutamate based on perylene supramolecular aggregates using an indicator displacement assays strategy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121223.	3.9	7
4	Phosphatase-like activity of single-atom Ce N C nanozyme for rapid detection of Al <sup>3+</sup> . <i>Food Chemistry</i> , 2022, 390, 133127.	8.2	35
5	A fluorometric and colorimetric approach for the rapid detection of berberine hydrochloride based on an anionic polythiophene derivative. <i>Luminescence</i> , 2021, 36, 668-673.	2.9	9
6	Determination of Ag <sup>+</sup> and NADH Using Single-Molecule Conductance Ratiometric Probes. <i>ACS Sensors</i> , 2021, 6, 461-469.	7.8	20
7	Visual detection of fluoride based on supramolecular aggregates of perylene diimide in 100% aqueous media. <i>Mikrochimica Acta</i> , 2021, 188, 331.	5.0	6
8	An efficient approach for rapid detection of polymyxins B based on the optically active supramolecular aggregates of water-soluble perylene diimide. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128594.	7.8	18
9	Conjugated Polyelectrolyte Based Colorimetric Array for the Discrimination of Primary Amino Acids. <i>ChemistrySelect</i> , 2020, 5, 5400-5403.	1.5	2
10	Rapid and visual detection of folic acid via supramolecular recognition with a perylene bisimide probe in aqueous media. <i>Talanta</i> , 2020, 219, 121222.	5.5	12
11	Self-assembly of flavin mononucleotide and a cationic polythiophene in aqueous media: spectroscopic studies and sensing applications. <i>Polymer Chemistry</i> , 2020, 11, 3762-3767.	3.9	7
12	Rapid and visual detection of protamine based on ionic self-assembly of a water soluble perylene diimide derivative. <i>Dyes and Pigments</i> , 2020, 180, 108456.	3.7	21
13	A Sensitive and Selective Fluorescent Sensor for Berberine Chloride Based on the Supramolecular Self-Assembly of Perylene Diimide in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6517-6523.	6.7	22
14	Rapid and Visual Detection of Bipyridylum Herbicides Based on Polyelectrolyte-Induced Nanoassemblies of Pyrenyl Probes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6861-6867.	6.7	10
15	Visual sensing of picric acid in 100% aqueous media based on supramolecular polythiophene assemblies with colorimetric and fluorescent dual response. <i>Chinese Chemical Letters</i> , 2020, 31, 2428-2432.	9.0	29
16	Self-Assembly of Nanoscale Induced Excimers of 12-Pyren-1-yl dodecanoic Acid for TNT Detection. <i>ACS Applied Nano Materials</i> , 2019, 2, 3453-3458.	5.0	15
17	Rapid and visual detection of berberine hydrochloride based on a water-soluble pyrene derivative. <i>Luminescence</i> , 2019, 34, 558-562.	2.9	13
18	Ultrasensitive detection of thiophenol based on a water-soluble pyrenyl probe. <i>Talanta</i> , 2018, 185, 146-150.	5.5	20

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19	An antibody-free assay for simultaneous capture and detection of glycoproteins by surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8881-8886.	2.8	26
20	A highly sensitive SERS-based platform for Zn( $\text{II}$ ) detection in cellular media. <i>Chemical Communications</i> , 2017, 53, 1797-1800.	4.1	23
21	Rapid and visual detection of heparin based on the disassembly of polyelectrolyte-induced pyrene excimers. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2569-2574.	2.8	19
22	MoS <sub>2</sub> -Nanosheet-Assisted Coordination of Metal Ions with Porphyrin for Rapid Detection and Removal of Cadmium Ions in Aqueous Media. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21362-21370.	8.0	54
23	Selective and sensitive detection of picric acid based on a water-soluble fluorescent probe. <i>RSC Advances</i> , 2016, 6, 38328-38331.	3.6	35
24	Revealing different aggregational states of a conjugated polymer in solution by a nanopore sensor. <i>Chemical Science</i> , 2016, 7, 5287-5293.	7.4	5
25	Approach Based on Polyelectrolyte-Induced Nanoassemblies for Enhancing Sensitivity of Pyrenyl Probes. <i>Analytical Chemistry</i> , 2016, 88, 10605-10610.	6.5	17
26	Selective detection of mercury(II) and methylmercury(II) via coordination-induced emission of a small-molecule probe. <i>Science China Chemistry</i> , 2016, 59, 1651-1657.	8.2	13
27	SERS-based sensing technique for trace melamine detection – A new method exploring. <i>Talanta</i> , 2016, 153, 186-190.	5.5	19
28	A simple fluorescent probe based on a pyrene derivative for rapid detection of protamine and monitoring of trypsin activity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8708-8712.	2.8	33
29	Synthesis of metal nanoparticle@graphene hydrogel composites by substrate-enhanced electroless deposition and their application in electrochemical sensors. <i>RSC Advances</i> , 2014, 4, 9133.	3.6	28
30	Visual detection of Cu( $\text{II}$ ) ions based on a simple pyrene derivative using click chemistry. <i>Analytical Methods</i> , 2014, 6, 4977-4981.	2.7	11
31	Colorimetric and fluorescent dual detection of paraquat and diquat based on an anionic polythiophene derivative. <i>Analyst</i> , 2013, 138, 5572.	3.5	21
32	Colorimetric and fluorescent detection of protamines with an anionic polythiophene derivative. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6466.	2.8	38
33	Colorimetric detection of copper ions based on a supramolecular complex of water-soluble polythiophene and ATP. <i>Analyst</i> , 2013, 138, 1649.	3.5	31
34	Halochromism of a Polythiophene Derivative Induced by Conformational Changes and Its Sensing Application of Carbon Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5783-5787.	8.0	38
35	Visual Detection of Copper(II) Ions Based on an Anionic Polythiophene Derivative Using Click Chemistry. <i>Analytical Chemistry</i> , 2013, 85, 5650-5653.	6.5	75
36	A Turn-on Fluorescent Sensor for Pyrophosphate Based on the Disassembly of Cu <sup>2+</sup> -Mediated Perylene Diimide Aggregates. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 614-618.	8.0	139

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37	Colorimetric and fluorescent dual probe based on a polythiophene derivative for the detection of cysteine and homocysteine. Chemical Communications, 2011, 47, 7431.	4.1	99
38	Disassembly of conjugated polyelectrolyte aggregates and their application for colorimetric detection of surfactants in water. Chemical Communications, 2010, 46, 8639.	4.1	32
39	Electrically conductive and mechanically strong biomimetic chitosan/reduced graphene oxide composite films. Journal of Materials Chemistry, 2010, 20, 9032.	6.7	231
40	Preparation of Gold Nanoparticle/Graphene Composites with Controlled Weight Contents and Their Application in Biosensors. Journal of Physical Chemistry C, 2010, 114, 1822-1826.	3.1	389
41	Analyte-induced aggregation of conjugated polyelectrolytes: role of the charged moieties and its sensing application. Chemical Communications, 2010, 46, 5094.	4.1	39
42	Self-assembly of insulated molecular wires of a watersoluble cationic PPV and anionic dendrons. Science Bulletin, 2009, 54, 2451-2456.	1.7	3
43	Conjugated polyelectrolyte as a colorimetric and fluorescent probe for the detection of glutathione. Chemical Communications, 2009, , 5886.	4.1	85
44	A simple approach for the discrimination of nucleotides based on a water-soluble polythiophene derivative. Chemical Communications, 2009, , 4696.	4.1	74
45	Optically Active Supramolecular Complexes of Water-Soluble Achiral Polythiophenes and Folic Acid: Spectroscopic Studies and Sensing Applications. Langmuir, 2008, 24, 12829-12835.	3.5	51