

# Cheng Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,208  
citations

394421

19  
h-index

377865

34  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1595  
citing authors

#	ARTICLE	IF	CITATIONS
1	FeS nanoparticles embedded in 2D carbon nanosheets as novel nanozymes with peroxidase-like activity for colorimetric and fluorescence assay of H <sub>2</sub> O <sub>2</sub> and antioxidant capacity. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131131.	7.8	20
2	A novel colorimetric and ratiometric fluorescence probe based on <sup>13</sup> C-CN <sup>+</sup> for detection of hydrazine and its imaging in living cells and mouse. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120639.	3.9	4
3	Yb <sup>3+</sup> -Doped Two-Dimensional Upconverting Tb-MOF Nanosheets with Luminescence Sensing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 8343-8352.	8.0	30
4	A ratiometric fluorescence probe for imaging endoplasmic reticulum (ER) hypochlorous acid in living cells undergoing excited state intramolecular proton transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121075.	3.9	11
5	A Hemicyanine-Assembled Upconversion Nanosystem for NIR-Excited Visualization of Carbon Monoxide Bio-Signaling In Vivo. <i>Small</i> , 2022, 18, .	10.0	6
6	Cyanine-modified near-infrared upconversion nanoprobe for ratiometric sensing of N <sub>2</sub> H <sub>4</sub> in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119153.	3.9	3
7	Insight into the effect of particle size distribution differences on the antibacterial activity of carbon dots. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 505-519.	9.4	76
8	Ratiometric Fluorescent Sensor for Al <sup>3+</sup> Based on the Inner Filter and Static Quenching Effects of Carbon Dots Obtained from Neem Leaves. <i>ChemistrySelect</i> , 2021, 6, 2966-2974.	1.5	8
9	Thermal stable honokiol-derived epoxy resin with reinforced thermal conductivity, dielectric properties and flame resistance. <i>Chemical Engineering Journal</i> , 2021, 412, 128647.	12.7	43
10	Biomass Shape Memory Elastomers with Rapid Self-Healing Properties and High Recyclability. <i>Biomacromolecules</i> , 2021, 22, 2768-2776.	5.4	13
11	High Quantum Yield Fluorescent Chitosan-Based Carbon Dots for the Turn-On-Off-On Detection of Cr(VI) and H <sub>2</sub> O <sub>2</sub> . <i>Nano</i> , 2021, 16, .	1.0	4
12	Light-Activated Biodegradable Covalent Organic Framework-Integrated Heterojunction for Photodynamic, Photothermal, and Gaseous Therapy of Chronic Wound Infection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42396-42410.	8.0	59
13	Highly sensitive and portable aptasensor by using enzymatic nanoreactors as labels. <i>Microchemical Journal</i> , 2021, 168, 106407.	4.5	2
14	A new fast response colorimetric and fluorescent probe for the detection of bisulfite and its application on test strips. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 1497-1505.	3.3	0
15	High peroxidase-like activity realized by facile synthesis of FeS <sub>2</sub> nanoparticles for sensitive colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glutathione. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111983.	10.1	137
16	Flame Retardancy and Mechanical Properties of Bio-Based Furan Epoxy Resins with High Crosslink Density. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900587.	3.6	23
17	A Hybrid of FeS <sub>2</sub> Nanoparticles Encapsulated by Two-Dimensional Carbon Sheets as Excellent Nanozymes for Colorimetric Glucose Detection. <i>ACS Applied Bio Materials</i> , 2020, 3, 5905-5912.	4.6	31
18	Surface charge-controlled electron transfer and catalytic behavior of immobilized cytochrome P450 BM3 inside dendritic mesoporous silica nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4703-4712.	3.7	11

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19	Two-dimensional FeP@C nanosheets as a robust oxidase mimic for fluorescence detection of cysteine and Cu <sup>2+</sup> . <i>Journal of Materials Chemistry B</i> , 2020, 8, 7494-7500.	5.8	17
20	Biomass polyamide elastomers based on hydrogen bonds with rapid self-healing properties. <i>European Polymer Journal</i> , 2020, 133, 109802.	5.4	32
21	Electrospun polyacrylonitrile fibers with and without magnetic nanoparticles for selective and efficient separation of glycoproteins. <i>Mikrochimica Acta</i> , 2019, 186, 542.	5.0	7
22	Label-free colorimetric detection of deoxyribonuclease I activity based on the DNA-enhanced peroxidase-like activity of MIL-53(Fe). <i>New Journal of Chemistry</i> , 2019, 43, 12776-12784.	2.8	20
23	A novel colorimetric and ratiometric fluorescent probe for targeted detection of hypochlorous acid based on HClO-mediated anthracene-hydrazone to anthracene-triazole transformation. <i>Analytical Methods</i> , 2019, 11, 4157-4164.	2.7	8
24	New ultrastiff bio-furan epoxy networks with high Tg: Facile synthesis to excellent properties. <i>European Polymer Journal</i> , 2019, 121, 109292.	5.4	21
25	An electrochemical enzymatic nanoreactor based on dendritic mesoporous silica nanoparticles for living cell H <sub>2</sub> O <sub>2</sub> detection. <i>Analyst</i> , 2019, 144, 481-487.	3.5	39
26	TiO <sub>2</sub> nanowires as an effective sensing platform for rapid fluorescence detection of single-stranded DNA and double-stranded DNA. <i>Talanta</i> , 2019, 199, 442-448.	5.5	25
27	Sustainable bio-based furan epoxy resin with flame retardancy. <i>Polymer Chemistry</i> , 2019, 10, 2370-2375.	3.9	54
28	A Sensitive Near-Infrared Fluorescent Probe for Detecting Heavy Metal Ag <sup>+</sup> in Water Samples. <i>Sensors</i> , 2019, 19, 247.	3.8	30
29	A designable aminophenylboronic acid functionalized magnetic Fe <sub>3</sub> O <sub>4</sub> /ZIF-8/APBA for specific recognition of glycoproteins and glycopeptides. <i>RSC Advances</i> , 2018, 8, 6887-6892.	3.6	27
30	Polydopamine functionalized nanoporous graphene foam as nanoreactor for efficient electrode-driven metabolism of steroid hormones. <i>Biosensors and Bioelectronics</i> , 2018, 119, 182-190.	10.1	18
31	Occurrence, spatial distribution, and ecological risks of typical hydroxylated polybrominated diphenyl ethers in surface sediments from a large freshwater lake of China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5773-5780.	5.3	8
32	Distribution and bioaccumulation of endocrine disrupting chemicals in water, sediment and fishes in a shallow Chinese freshwater lake: Implications for ecological and human health risks. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 222-229.	6.0	105
33	Fluorescence detection of cholesterol using a nitrogen-doped graphene quantum dot/chromium picolinate complex-based sensor. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9006-9014.	5.8	32
34	An improved method of simultaneous determination of four bioactive compounds in <i>Evodiae Fructus</i> using ionic liquids as mobile phase additives in high performance liquid chromatography. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 552-558.	2.6	9
35	General Preparation of Heme Protein Functional Fe <sub>3</sub> O <sub>4</sub> @Au@Nps Magnetic Nanocomposite for Sensitive Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2017, 29, 765-772.	2.9	6
36	A Sensitive Biosensor for Determination of Cu <sup>2+</sup> by One-step Electrodeposition. <i>Electroanalysis</i> , 2016, 28, 1617-1624.	2.9	11

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37	Occurrence, distribution, and risk assessment of alkylphenols, bisphenol A, and tetrabromobisphenol A in surface water, suspended particulate matter, and sediment in Taihu Lake and its tributaries. <i>Marine Pollution Bulletin</i> , 2016, 112, 142-150.	5.0	75
38	A copper <sup>2+</sup> -amyloid- $\beta^2$ targeted fluorescent chelator as a potential theranostic agent for Alzheimer's disease. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1572-1581.	6.0	20
39	The optimization of isoamylase processing conditions for the preparation of high-amylose ginkgo starch. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 105-111.	7.5	11
40	An electrochemical aptasensor electrocatalyst for detection of thrombin. <i>Analytical Biochemistry</i> , 2016, 500, 73-79.	2.4	10
41	Specific self-monitoring of metal-associated amyloid- $\beta^2$ peptide disaggregation by a fluorescent chelator. <i>Chemical Communications</i> , 2016, 52, 2245-2248.	4.1	28
42	Rhodamine <sup>6G</sup> -Modified Upconversion Nanophosphors for Ratiometric Detection of Hypochlorous Acid in Aqueous Solution and Living Cells. <i>Small</i> , 2014, 10, 3560-3567.	10.0	114