

# Xuechao Xu

## List of Publications by Year in descending order

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39  
papers

1,522  
citations

218677

26  
h-index

330143

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating peroxidase-mimicking activity with photoluminescence into one framework structure for high-performance ratiometric fluorescent pesticide sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129024.	7.8	41
2	Breaking the pH limitation of peroxidase-like CoFe <sub>2</sub> O <sub>4</sub> nanozyme via vitrification for one-step glucose detection at physiological pH. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129033.	7.8	38
3	One-pot construction of acid phosphatase and hemin loaded multifunctional metal-organic framework nanosheets for ratiometric fluorescent arsenate sensing. <i>Journal of Hazardous Materials</i> , 2021, 412, 124407.	12.4	41
4	Nanozymes: Emerging Nanomaterials to Detect Toxic Ions. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 71-93.	0.5	0
5	Colorimetric detection and membrane removal of arsenate by a multifunctional L-arginine modified FeOOH. <i>Separation and Purification Technology</i> , 2021, 258, 118021.	7.9	24
6	A single-nanozyme colorimetric array based on target-induced differential surface passivation for quantification and discrimination of Cl <sup>-</sup> , Br <sup>-</sup> and I <sup>-</sup> ions. <i>Analytica Chimica Acta</i> , 2021, 1160, 338451.	5.4	20
7	Analyte-triggered oxidase-mimetic activity loss of Ag <sub>3</sub> PO <sub>4</sub> /UiO-66 enables colorimetric detection of malathion completely free from bioenzymes. <i>Sensors and Actuators B: Chemical</i> , 2021, 338, 129866.	7.8	30
8	A portable test strip based on fluorescent europium-based metal-organic framework for rapid and visual detection of tetracycline in food samples. <i>Food Chemistry</i> , 2021, 354, 129501.	8.2	91
9	Target-induced synergetic modulation of electrochemical tag concentration and electrode surface passivation for one-step sampling filtration-free detection of acid phosphatase activity. <i>Talanta</i> , 2021, 233, 122500.	5.5	5
10	Collaborative compounding of metal-organic frameworks and lanthanide coordination polymers for ratiometric visual detection of tetracycline. <i>Dyes and Pigments</i> , 2021, 194, 109545.	3.7	29
11	Programmable-Printing Paper-Based Device with a MoS <sub>2</sub> NP and Gmp/Eu-Cit Fluorescence Couple for Ratiometric Tetracycline Analysis in Various Natural Samples. <i>ACS Sensors</i> , 2021, 6, 4038-4047.	7.8	19
12	Colorimetric quantification and discrimination of phenolic pollutants based on peroxidase-like Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127225.	7.8	94
13	A smart-phone-based electrochemical platform with programmable solid-state-microwave flow digestion for determination of heavy metals in liquid food. <i>Food Chemistry</i> , 2020, 303, 125378.	8.2	42
14	Micrometer-scale light-addressable potentiometric sensor on an optical fiber for biological glucose determination. <i>Analytica Chimica Acta</i> , 2020, 1123, 36-43.	5.4	18
15	Active Temperature Regulation and Teamed Boronate Affinity-Facilitated Microelectrode Module for Blood Glucose Detection in Physiological Environment. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128720.	7.8	14
16	Three-dimensional flower-like multifunctional adsorbents with excellent sorptive removal and colorimetric detection of arsenate. <i>Chemical Engineering Journal</i> , 2020, 398, 125649.	12.7	30
17	A peroxidase-mimicking Zr-based MOF colorimetric sensing array to quantify and discriminate phosphorylated proteins. <i>Analytica Chimica Acta</i> , 2020, 1121, 26-34.	5.4	93
18	High-performance dual-channel ratiometric colorimetric sensing of phosphate ion based on target-induced differential oxidase-like activity changes of Ce-Zr bimetal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128546.	7.8	50

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19	Construction of a recyclable oxidase-mimicking Fe <sub>3</sub> O <sub>4</sub> @MnOx-based colorimetric sensor array for quantifying and identifying chlorophenols. <i>Analytica Chimica Acta</i> , 2020, 1107, 203-212.	5.4	44
20	Nanomaterial-based sensors and biosensors for enhanced inorganic arsenic detection: A functional perspective. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128100.	7.8	51
21	Highly sensitive and specific colorimetric detection of phosphate by using Zr(IV) to synergistically suppress the peroxidase-mimicking activity of hydrophilic Fe <sub>3</sub> O <sub>4</sub> nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126822.	7.8	45
22	Highly sensitive colorimetric detection of arsenite based on reassembly-induced oxidase-mimicking activity inhibition of dithiothreitol-capped Pd nanozyme. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126876.	7.8	62
23	Simultaneous adsorption of Li(I) and Rb(I) by dual crown ethers modified magnetic ion imprinting polymers. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4778.	3.5	30
24	Pd nanoparticle-decorated graphitic C <sub>3</sub> N <sub>4</sub> nanosheets with bifunctional peroxidase mimicking and ON/OFF fluorescence enable naked-eye and fluorescent dual-readout sensing of glucose. <i>Journal of Materials Chemistry B</i> , 2019, 7, 233-239.	5.8	43
25	A novel label-free hypochlorite amperometric sensor based on target-induced oxidation of benzenboronic acid pinacol ester. <i>Chemical Engineering Journal</i> , 2019, 373, 1-7.	12.7	17
26	Enzyme-triggered <i>in situ</i> formation of Ag nanoparticles with oxidase-mimicking activity for amplified detection of alkaline phosphatase activity. <i>Analyst</i> , 2019, 144, 2416-2422.	3.5	62
27	Colorimetric determination of As(III) based on 3-mercaptopropionic acid assisted active site and interlayer channel dual-masking of Fe-Co-layered double hydroxides with oxidase-like activity. <i>Mikrochimica Acta</i> , 2019, 186, 815.	5.0	30
28	In situ formation of fluorescent polydopamine catalyzed by peroxidase-mimicking FeCo-LDH for pyrophosphate ion and pyrophosphatase activity detection. <i>Analytica Chimica Acta</i> , 2019, 1053, 89-97.	5.4	53
29	Mesoporous hollow silicon spheres modified with manganese ion sieve: Preparation and its application for adsorption of lithium and rubidium ions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4182.	3.5	22
30	A detachable and recyclable electrochemical sensor for high-performance detection of glucose based on boronate affinity. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 430-437.	7.8	9
31	Dual-template crown ether-functionalized hierarchical porous silica: Preparation and application for adsorption of energy metal lithium. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4114.	3.5	8
32	A facile strategy toward ion-imprinted hierarchical mesoporous material via dual-template method for simultaneous selective extraction of lithium and rubidium. <i>Journal of Cleaner Production</i> , 2018, 171, 264-274.	9.3	45
33	Surface charge engineering of nanosized CuS <i>via</i> acidic amino acid modification enables high peroxidase-mimicking activity at neutral pH for one-pot detection of glucose. <i>Chemical Communications</i> , 2018, 54, 13443-13446.	4.1	77
34	Three hidden talents in one framework: a terephthalic acid-coordinated cupric metal-organic framework with cascade cysteine oxidase- and peroxidase-mimicking activities and stimulus-responsive fluorescence for cysteine sensing. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6207-6211.	5.8	54
35	Synergistically enhanced peroxidase-like activity of Pd nanoparticles dispersed on CeO <sub>2</sub> nanotubes and their application in colorimetric sensing of sulfhydryl compounds. <i>Journal of Materials Science</i> , 2018, 53, 13912-13923.	3.7	26
36	A cobalt-based polyoxometalate nanozyme with high peroxidase-mimicking activity at neutral pH for one-pot colorimetric analysis of glucose. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5750-5755.	5.8	80

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37	Efficient Recovery of Neodymium in Acidic System by Free-Standing Dual-Template Docking Oriented Ionic Imprinted Mesoporous Films. ACS Applied Materials & Interfaces, 2017, 9, 730-739.	8.0	46
38	Preparation of diethylenetriamine-modified magnetic chitosan nanoparticles for adsorption of rare-earth metal ions. New Journal of Chemistry, 2017, 41, 7739-7750.	2.8	39
39	<i>In situ</i> synthesis of a porous ZrO <sub>2</sub> coated fiber membrane for efficient static and dynamic removal of Se(IV). New Journal of Chemistry, 0, , .	2.8	0