

Xiangheng Niu

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118
papers

3,788
citations

37
h-index

54
g-index

125
ext. papers

4,749
ext. citations

7.2
avg, IF

5.96
L-index

#	Paper	IF	Citations
118	Highly sensitive and selective nonenzymatic detection of glucose using three-dimensional porous nickel nanostructures. <i>Analytical Chemistry</i> , 2013 , 85, 3561-9	7.8	307
117	Recent advances in non-enzymatic electrochemical glucose sensors based on non-precious transition metal materials: opportunities and challenges. <i>RSC Advances</i> , 2016 , 6, 84893-84905	3.7	146
116	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Fe-N moieties hosted by MOF derived porous carbon. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111495	11.8	90
115	Uncapped nanobranch-based CuS clews used as an efficient peroxidase mimic enable the visual detection of hydrogen peroxide and glucose with fast response. <i>Analytica Chimica Acta</i> , 2016 , 947, 42-49	6.6	86
114	Electrochemical sensing interfaces with tunable porosity for nonenzymatic glucose detection: a Cu foam case. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 22-8	11.8	81
113	A smartphone-integrated ready-to-use paper-based sensor with mesoporous carbon-dispersed Pd nanoparticles as a highly active peroxidase mimic for H ₂ O ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 412-420	8.5	78
112	A Comparative Study of Nonenzymatic Electrochemical Glucose Sensors Based on Pt-Pd Nanotube and Nanowire Arrays. <i>Electrochimica Acta</i> , 2014 , 130, 1-8	6.7	78
111	2D Graphene Oxide/Fe-MOF Nanozyme Nest with Superior Peroxidase-Like Activity and Its Application for Detection of Woodsmoke Exposure Biomarker. <i>Analytical Chemistry</i> , 2019 , 91, 13847-13854	7.8	68
110	Nonenzymatic electrochemical glucose sensor based on novel Pt-Pd nanoflakes. <i>Talanta</i> , 2012 , 99, 1062-6	6.2	67
109	Rational design and fabrication of surface molecularly imprinted polymers based on multi-boronic acid sites for selective capture glycoproteins. <i>Chemical Engineering Journal</i> , 2019 , 367, 55-63	14.7	67
108	Novel snowflake-like Pt-Pd bimetallic clusters on screen-printed gold nanofilm electrode for H ₂ O ₂ and glucose sensing. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 262-6	11.8	64
107	Immobilization of superoxide dismutase on Pt-Pd/MWCNTs hybrid modified electrode surface for superoxide anion detection. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 79-85	11.8	61
106	Histidine-mediated tunable peroxidase-like activity of nanosized Pd for photometric sensing of Ag ⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 400-407	8.5	61
105	Metal-organic framework based nanozymes: promising materials for biochemical analysis. <i>Chemical Communications</i> , 2020 , 56, 11338-11353	5.8	59
104	Bismuth-based porous screen-printed carbon electrode with enhanced sensitivity for trace heavy metal detection by stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 339-342	8.5	58
103	Photometric determination of free cholesterol via cholesterol oxidase and carbon nanotube supported Prussian blue as a peroxidase mimic. <i>Mikrochimica Acta</i> , 2017 , 184, 2181-2189	5.8	57
102	Platinum nanoparticle-decorated carbon nanotube clusters on screen-printed gold nanofilm electrode for enhanced electrocatalytic reduction of hydrogen peroxide. <i>Electrochimica Acta</i> , 2012 , 65, 97-103	6.7	56

101	Uricase-free on-demand colorimetric biosensing of uric acid enabled by integrated CoP nanosheet arrays as a monolithic peroxidase mimic. <i>Analytica Chimica Acta</i> , 2018 , 1021, 113-120	6.6	55
100	A peroxidase-mimicking nanosensor with Hg ²⁺ -triggered enzymatic activity of cysteine-decorated ferromagnetic particles for ultrasensitive Hg ²⁺ detection in environmental and biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 445-452	8.5	55
99	A novel electrochemical biosensor for Hg ²⁺ determination based on Hg ²⁺ -induced DNA hybridization. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 383-387	8.5	54
98	Surface charge engineering of nanosized CuS via 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	5.8	53
97	Emerging applications of nanozymes in environmental analysis: Opportunities and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115653	14.6	52
96	Colorimetric quantification and discrimination of phenolic pollutants based on peroxidase-like Fe ₃ O ₄ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127225	8.5	52
95	Wulff-type boronic acids suspended hierarchical porous polymeric monolith for the specific capture of cis -diol-containing flavone under neutral condition. <i>Chemical Engineering Journal</i> , 2017 , 317, 317-330	14.7	51
94	Integrating ionic liquids with molecular imprinting technology for biorecognition and biosensing: A review. <i>Biosensors and Bioelectronics</i> , 2020 , 149, 111830	11.8	49
93	Doping ionic liquid into Prussian blue-multiwalled carbon nanotubes modified screen-printed electrode to enhance the nonenzymatic H ₂ O ₂ sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 274-280	8.5	48
92	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	7.3	47
91	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	8.5	44
90	Enzyme-triggered in situ formation of Ag nanoparticles with oxidase-mimicking activity for amplified detection of alkaline phosphatase activity. <i>Analyst, The</i> , 2019 , 144, 2416-2422	5	44
89	Bifunctional MIL-53(Fe) with pyrophosphate-mediated peroxidase-like activity and oxidation-stimulated fluorescence switching for alkaline phosphatase detection. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4794-4800	7.3	43
88	Review: Electrochemical Stripping Analysis of Trace Heavy Metals Using Screen-Printed Electrodes. <i>Analytical Letters</i> , 2013 , 46, 2479-2502	2.2	43
87	Hierarchical porous molecule/ion imprinted polymers with double specific binding sites: Combination of Pickering HIPEs template and pore-filled strategy. <i>Chemical Engineering Journal</i> , 2016 , 301, 210-221	14.7	42
86	A peroxidase-mimicking Zr-based MOF colorimetric sensing array to quantify and discriminate phosphorylated proteins. <i>Analytica Chimica Acta</i> , 2020 , 1121, 26-34	6.6	41
85	Sensitive and selective colorimetric detection of alkaline phosphatase activity based on phosphate anion-quenched oxidase-mimicking activity of Ce(IV) ions. <i>Analytica Chimica Acta</i> , 2018 , 1044, 154-161	6.6	41
84	Review: Nanozyme-Based Immunosensors and Immunoassays: Recent Developments and Future Trends. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037508	3.9	39

83	Advanced strategies for improving the analytical performance of Pt-based nonenzymatic electrochemical glucose sensors: a minireview. <i>Analytical Methods</i> , 2016 , 8, 1755-1764	3.2	38
82	Palladium deposits spontaneously grown on nickel foam for electro-catalyzing methanol oxidation: Effect of precursors. <i>Journal of Power Sources</i> , 2016 , 306, 361-368	8.9	37
81	A review on emerging principles and strategies for colorimetric and fluorescent detection of alkaline phosphatase activity. <i>Analytica Chimica Acta</i> , 2019 , 1086, 29-45	6.6	37
80	Disposable screen-printed antimony film electrode modified with carbon nanotubes/ionic liquid for electrochemical stripping measurement. <i>Electrochimica Acta</i> , 2011 , 56, 9921-9925	6.7	37
79	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	6.6	35
78	Microwave-Assisted Fabrication of Bimetallic PdCu Nanocorals with Enhanced Peroxidase-Like Activity and Efficiency for Thiocyanate Sensing. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2397-2405	5.6	34
77	Electrocatalytic analysis of superoxide anion radical using nitrogen-doped graphene supported Prussian Blue as a biomimetic superoxide dismutase. <i>Electrochimica Acta</i> , 2015 , 176, 1280-1287	6.7	32
76	Electrocatalytic sensing of hydrogen peroxide using a screen printed carbon electrode modified with nitrogen-doped graphene nanoribbons. <i>Mikrochimica Acta</i> , 2015 , 182, 2485-2493	5.8	32
75	Anamperometric superoxide anion radical biosensor based on SOD/PtPd-PDARGO modified electrode. <i>Talanta</i> , 2015 , 137, 18-24	6.2	32
74	One-Pot Anchoring of Pd Nanoparticles on Nitrogen-Doped Carbon through Dopamine Self-Polymerization and Activity in the Electrocatalytic Methanol Oxidation Reaction. <i>ChemSusChem</i> , 2017 , 10, 976-983	8.3	31
73	Enzyme-Free Amperometric Detection of Glucose on Platinum-Replaced Porous Copper Frameworks. <i>Electrochimica Acta</i> , 2015 , 165, 383-389	6.7	31
72	Pd nanoparticle-decorated graphitic CN 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	7.3	30
71	Tailored Janus silica nanosheets integrating bispecific artificial receptors for simultaneous adsorption of 2,6-dichlorophenol and Pb(II). <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16161-16175	13	30
70	Highly sensitive and specific colorimetric detection of phosphate by using Zr(IV) to synergistically suppress the peroxidase-mimicking activity of hydrophilic Fe ₃ O ₄ nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126822	8.5	28
69	Highly active and durable methanol electro-oxidation catalyzed by small palladium nanoparticles inside sulfur-doped carbon microsphere. <i>Fuel</i> , 2017 , 190, 174-181	7.1	28
68	Three-in-one strategy for selective adsorption and effective separation of cis-diol containing luteolin from peanut shell coarse extract using PU/GO/BA-MOF composite. <i>Chemical Engineering Journal</i> , 2016 , 306, 655-666	14.7	28
67	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	7.3	28
66	Two Are Better than One: Halloysite Nanotubes-Supported Surface Imprinted Nanoparticles Using Synergy of Metal Chelating and Low pK Boronic Acid Monomers for Highly Specific Luteolin Binding under Neutral Condition. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33191-33202	9.5	27

65	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	8.5	25
64	Elimination of background color interference by immobilizing Prussian blue on carbon cloth: A monolithic peroxidase mimic for on-demand photometric sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 151-159	8.5	25
63	Porous screen-printed carbon electrode. <i>Electrochemistry Communications</i> , 2012 , 22, 170-173	5.1	25
62	A facile one-pot synthesis of fluorescent carbon dots from degrease cotton for the selective determination of chromium ions in water and soil samples. <i>Journal of Luminescence</i> , 2017 , 188, 230-237	3.8	24
61	Nanomaterial-based sensors and biosensors for enhanced inorganic arsenic detection: A functional perspective. <i>Sensors and Actuators B: Chemical</i> , 2020 , 315, 128100	8.5	24
60	Enhancing the Electrocatalytic Activity of PtPd Catalysts by Introducing Porous Architectures. <i>ChemCatChem</i> , 2013 , 5, 1416-1425	5.2	23
59	Trace Iodide Dramatically Accelerates the Peroxidase Activity of VOx at ppb-Concentration Levels. <i>ChemistrySelect</i> , 2017 , 2, 10854-10859	1.8	23
58	Novel Screen-Printed Gold Nano Film Electrode for Trace Mercury(II) Determination Using Anodic Stripping Voltammetry. <i>Analytical Letters</i> , 2012 , 45, 764-773	2.2	22
57	Molecularly imprinted polypyrrole nanotubes based electrochemical sensor for glyphosate detection. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113434	11.8	22
56	Fabrication of fluorescent carbon dots-linked isophorone diisocyanate and β -cyclodextrin for detection of chromium ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 163-170	4.4	21
55	Single-Atom Nanozymes Linked Immunosorbent Assay for Sensitive Detection of A 1-40: A Biomarker of Alzheimer Disease. <i>Research</i> , 2020 , 2020, 4724505	7.8	21
54	Tri-functional Fe-Zr bi-metal-organic frameworks enable high-performance phosphate ion ratiometric fluorescent detection. <i>Nanoscale</i> , 2020 , 12, 19383-19389	7.7	21
53	Nanomaterial-enhanced 3D-printed sensor platform for simultaneous detection of atrazine and acetochlor. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113238	11.8	21
52	Facile colorimetric detection of alkaline phosphatase activity based on the target-induced valence state regulation of oxidase-mimicking Ce-based nanorods. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5834-5841	7.2	20
51	Construction of a recyclable oxidase-mimicking FeO@MnO-based colorimetric sensor array for quantifying and identifying chlorophenols. <i>Analytica Chimica Acta</i> , 2020 , 1107, 203-212	6.6	20
50	Well-dispersed Pt cubes on porous Cu foam: high-performance catalysts for the electrochemical oxidation of glucose in neutral media. <i>Chemistry - A European Journal</i> , 2013 , 19, 9534-41	4.8	20
49	Determination of Lead(II) Using Screen-Printed Bismuth-Antimony Film Electrode. <i>Electroanalysis</i> , 2013 , 25, 1446-1452	3	20
48	A comparative study of carbon nanotube supported MFe ₂ O ₄ spinels (M = Fe, Co, Mn) for amperometric determination of H ₂ O ₂ at neutral pH values. <i>Mikrochimica Acta</i> , 2016 , 183, 2431-2439	5.8	20

47	Polyethylenimine-stabilized silver nanoclusters act as an oxidoreductase mimic for colorimetric determination of chromium(VI). <i>Mikrochimica Acta</i> , 2020 , 187, 263	5.8	19
46	Synergistically enhanced peroxidase-like activity of Pd nanoparticles dispersed on CeO ₂ nanotubes and their application in colorimetric sensing of sulfhydryl compounds. <i>Journal of Materials Science</i> , 2018 , 53, 13912-13923	4.3	19
45	Incorporating Ag into Pd/Ni Foam via Cascade Galvanic Replacement to Promote the Methanol Electro-Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F651-F657	3.9	18
44	Emerging Applications of Additive Manufacturing in Biosensors and Bioanalytical Devices. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000171	6.8	18
43	Carbamate Insecticide Sensing Based on Acetylcholinesterase/Prussian Blue-Multi-Walled Carbon Nanotubes/Screen-Printed Electrodes. <i>Analytical Letters</i> , 2013 , 46, 803-817	2.2	18
42	Disposable screen-printed bismuth electrode modified with multi-walled carbon nanotubes for electrochemical stripping measurements. <i>Analytical Sciences</i> , 2011 , 27, 1237-41	1.7	18
41	Anneal-shrunked CuO dendrites grown on porous Cu foam as a robust interface for high-performance nonenzymatic glucose sensing. <i>Talanta</i> , 2016 , 161, 615-622	6.2	18
40	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	5.8	17
39	Construction of non-enzymatic sensor based on porous carbon matrix loaded with Pt and Co nanoparticles for real-time monitoring of cellular superoxide anions. <i>Electrochimica Acta</i> , 2019 , 294, 304-311	6.7	17
38	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	12.8	17
37	Fabrication of hydrophobic polymer foams with double acid sites on surface of macropore for conversion of carbohydrate. <i>Carbohydrate Polymers</i> , 2016 , 143, 212-22	10.3	16
36	Breaking the pH limitation of peroxidase-like CoFe ₂ O ₄ nanozyme via vitriolization for one-step glucose detection at physiological pH. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129033	8.5	16
35	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	8.5	15
34	Platinum Nanoparticles Encapsulated in Carbon Microspheres: Toward Electro-Catalyzing Glucose with High Activity and Stability. <i>Electrochimica Acta</i> , 2015 , 151, 326-331	6.7	14
33	Simple anodization of home-made screen-printed carbon electrodes makes significant activity enhancement for hydrogen evolution: the synergistic effect of surface functional groups, defect sites, and hydrophilicity. <i>Electrochimica Acta</i> , 2017 , 235, 64-71	6.7	13
32	Analyte-triggered citrate-stabilized Au nanoparticle aggregation with accelerated peroxidase-mimicking activity for catalysis-based colorimetric sensing of arsenite. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129650	8.5	13
31	Realizing selective detection with nanozymes: Strategies and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116379	14.6	13
30	Colorimetric evaluation of the hydroxyl radical scavenging ability of antioxidants using carbon-confined CoO as a highly active peroxidase mimic. <i>Mikrochimica Acta</i> , 2019 , 186, 354	5.8	12

29	Pyrophosphate-Mediated On/Off Oxidase-Like Activity Switching of Nanosized MnFe ₂ O ₄ for Alkaline Phosphatase Sensing. <i>Journal of Analysis and Testing</i> , 2019 , 3, 228-237	3.2	12
28	A novel water-soluble chitosan linked fluorescent carbon dots and isophorone diisocyanate fluorescent material toward detection of chromium(VI). <i>Analytical Methods</i> , 2016 , 8, 8554-8565	3.2	11
27	Fe ₃ O ₄ @PVIM@Zn(II) magnetic microspheres for luteolin recognition via combined reflux-precipitation polymerization and metal-ion affinity strategy. <i>New Journal of Chemistry</i> , 2017 , 41, 3308-3319	3.6	10
26	Modulating the Assembly of Sputtered Silver Nanoparticles on Screen-Printed Carbon Electrodes for Hydrogen Peroxide Electroreduction: Effect of the Surface Coverage. <i>Electrochimica Acta</i> , 2016 , 199, 187-193	6.7	10
25	Colorimetric detection and membrane removal of arsenate by a multifunctional L-arginine modified FeOOH. <i>Separation and Purification Technology</i> , 2021 , 258, 118021	8.3	10
24	Analyte-triggered oxidase-mimetic activity loss of Ag ₃ PO ₄ /UiO-66 enables colorimetric detection of malathion completely free from bioenzymes. <i>Sensors and Actuators B: Chemical</i> , 2021 , 338, 129866	8.5	10
23	Dual-mode fluorescence and colorimetric detection of pesticides realized by integrating stimulus-responsive luminescence with oxidase-mimetic activity into cerium-based coordination polymer nanoparticles. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127077	12.8	10
22	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	8.5	9
21	Smartphone-assisted off-on photometric determination of phosphate ion based on target-promoted peroxidase-mimetic activity of porous CeZrO (x0.5) nanocomposites. <i>Environmental Research</i> , 2020 , 189, 109921	7.9	9
20	Biomimic Nanozymes with Tunable Peroxidase-like Activity Based on the Confinement Effect of Metal-Organic Frameworks (MOFs) for Biosensing.. <i>Analytical Chemistry</i> , 2022 ,	7.8	9
19	A novel alkaline phosphatase assay based on the specific chromogenic interaction between Fe ³⁺ and ascorbic acid 2-phosphate. <i>Analytical Methods</i> , 2019 , 11, 2374-2377	3.2	8
18	Combination of Microporous Hollow Carbon Spheres and Nafion for the Individual Metal-free Stripping Detection of Pb(2+) and Cd(2.). <i>Analytical Sciences</i> , 2016 , 32, 943-9	1.7	8
17	A single-nanozyme colorimetric array based on target-induced differential surface passivation for quantification and discrimination of Cl, Br and I ions. <i>Analytica Chimica Acta</i> , 2021 , 1160, 338451	6.6	8
16	A catalytic reaction-based colorimetric assay of alkaline phosphatase activity based on oxidase-like MnO ₂ microspheres. <i>Analytical Methods</i> , 2019 , 11, 5472-5477	3.2	8
15	Impedimetric Enzyme-Free Detection of Glucose via a Computation-Designed Molecularly Imprinted Electrochemical Sensor Fabricated on Porous Ni Foam. <i>Electroanalysis</i> , 2017 , 29, 1243-1251	3	7
14	A novel label-free hypochlorite amperometric sensor based on target-induced oxidation of benzeneboronic acid pinacol ester. <i>Chemical Engineering Journal</i> , 2019 , 373, 1-7	14.7	7
13	Three-dimensional flower-like multifunctional adsorbents with excellent sorptive removal and colorimetric detection of arsenate. <i>Chemical Engineering Journal</i> , 2020 , 398, 125649	14.7	7
12	Composition-Dependent Electrocatalytic Activity of Coral-Like Capping-Free PdCo Architectures toward Methanol Oxidation. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F1241-F1248	3.9	7

11	From Moldy Orange Waste to Natural Reductant and Catalyst Support: Active Palladium/Biomass-Derived Carbonaceous Hybrids for Promoted Methanol Electro-Oxidation. <i>ChemElectroChem</i> , 2017 , 4, 1372-1377	4.3	6
10	Combining CeVO oxidase-mimetic catalysis with hexametaphosphate ion induced electrostatic aggregation for photometric sensing of alkaline phosphatase activity. <i>Analytica Chimica Acta</i> , 2020 , 1126, 16-23	6.6	6
9	Coupling diazotization with oxidase-mimetic catalysis to realize dual-mode double-ratiometric colorimetric and electrochemical sensing of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131308	8.5	4
8	Significantly Improved Electrocatalytic Activity of Copper-Based Structures that Evolve from a Metal-Organic Framework Induced by Cathodization Treatment. <i>ChemElectroChem</i> , 2017 , 4, 246-251	4.3	3
7	A novel alkaline phosphatase activity sensing strategy combining enhanced peroxidase-mimetic feature of sulfuration-engineered CoO with electrostatic aggregation. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 5551-5561	4.4	2
6	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	6.2	1
5	Emulsion-templated construction of enzyme-nanozyme integrated hierarchically porous hydrogels for smartphone-assisted pesticide biosensing. <i>Chemical Engineering Journal</i> , 2021 , 133669	14.7	0
4	Sequential assembly enabled surface precise imprinting on Janus nanosheets for highly specific separation of adenosine 5'-monophosphate. <i>Chemical Engineering Journal</i> , 2022 , 432, 134349	14.7	0
3	Nanozyme catalysis-assisted ratiometric multicolor sensing of heparin based on target-specific electrostatic-induced aggregation. <i>Talanta</i> , 2022 , 238, 123003	6.2	0
2	Bimodal ratiometric fluorescence and colorimetric sensing of paraoxon based on trifunctional Ce,Tb co-coordinated polymers. <i>Sensors and Actuators B: Chemical</i> , 2022 , 360, 131616	8.5	0
1	Nanozymes: Emerging Nanomaterials to Detect Toxic Ions. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 71-93	0.8	