

Xiangheng Niu

List of Publications by Year in descending order

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122
papers

5,881
citations

50170

46
h-index

91712

69
g-index

125
all docs

125
docs citations

125
times ranked

5056
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive and Selective Nonenzymatic Detection of Glucose Using Three-Dimensional Porous Nickel Nanostructures. <i>Analytical Chemistry</i> , 2013, 85, 3561-3569.	3.2	366
2	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.	1.7	198
3	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Fe ²⁺ /N _x moieties hosted by MOF derived porous carbon. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111495.	5.3	186
4	Metal-organic framework based nanozymes: promising materials for biochemical analysis. <i>Chemical Communications</i> , 2020, 56, 11338-11353.	2.2	170
5	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.	3.2	116
6	Emerging applications of nanozymes in environmental analysis: Opportunities and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115653.	5.8	108
7	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.	2.6	99
8	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.	4.0	99
9	Electrochemical sensing interfaces with tunable porosity for nonenzymatic glucose detection: A Cu foam case. <i>Biosensors and Bioelectronics</i> , 2014, 51, 22-28.	5.3	98
10	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.	4.0	94
11	A peroxidase-mimicking Zr-based MOF colorimetric sensing array to quantify and discriminate phosphorylated proteins. <i>Analytica Chimica Acta</i> , 2020, 1121, 26-34.	2.6	93
12	A Comparative Study of Nonenzymatic Electrochemical Glucose Sensors Based on Pt-Pd Nanotube and Nanowire Arrays. <i>Electrochimica Acta</i> , 2014, 130, 1-8.	2.6	88
13	Integrating ionic liquids with molecular imprinting technology for biorecognition and biosensing: A review. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111830.	5.3	88
14	Nonenzymatic electrochemical glucose sensor based on novel Pt-Pd nanoflakes. <i>Talanta</i> , 2012, 99, 1062-1067.	2.9	85
15	Realizing selective detection with nanozymes: Strategies and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116379.	5.8	85
16	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.	6.6	83
17	Molecularly imprinted polypyrrole nanotubes based electrochemical sensor for glyphosate detection. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113434.	5.3	81
18	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.	2.6	80

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19	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.	2.9	80
20	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.	2.2	77
21	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.	4.0	74
22	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, 262-266.	5.3	73
23	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.	5.3	73
24	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.	4.0	72
25	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.	2.5	71
26	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.	4.0	69
27	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.	2.9	68
28	Review Nanozyme-Based Immunosensors and Immunoassays: Recent Developments and Future Trends. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037508.	1.3	67
29	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.	2.6	64
30	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.	2.6	63
31	Advanced strategies for improving the analytical performance of Pt-based nonenzymatic electrochemical glucose sensors: a minireview. <i>Analytical Methods</i> , 2016, 8, 1755-1764.	1.3	62
32	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.	6.6	62
33	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.	4.0	62
34	Enzyme-triggered in situ formation of Ag nanoparticles with oxidase-mimicking activity for amplified detection of alkaline phosphatase activity. <i>Analyst</i> , 2019, 144, 2416-2422.	1.7	62
35	Biomimic Nanozymes with Tunable Peroxidase-like Activity Based on the Confinement Effect of Metal-Organic Frameworks (MOFs) for Biosensing. <i>Analytical Chemistry</i> , 2022, 94, 4821-4830.	3.2	60
36	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.	4.0	59

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37	Review: Electrochemical Stripping Analysis of Trace Heavy Metals Using Screen-Printed Electrodes. <i>Analytical Letters</i> , 2013, 46, 2479-2502.	1.0	59
38	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.	6.5	59
39	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.	4.0	56
40	Nanomaterial-enhanced 3D-printed sensor platform for simultaneous detection of atrazine and acetochlor. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113238.	5.3	56
41	Sensitive and selective colorimetric detection of alkaline phosphatase activity based on phosphate anion-quenched oxidase-mimicking activity of Ce(III) ions. <i>Analytica Chimica Acta</i> , 2018, 1044, 154-161.	2.6	54
42	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.	2.9	54
43	Hierarchical porous molecule/ion imprinted polymers with double specific binding sites: Combination of Pickering HIPs template and pore-filled strategy. <i>Chemical Engineering Journal</i> , 2016, 301, 210-221.	6.6	53
44	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.	2.6	53
45	Single-Atom Nanozymes Linked Immunosorbent Assay for Sensitive Detection of Aβ ₁₋₄₀ : A Biomarker of Alzheimer's Disease. <i>Research</i> , 2020, 2020, 4724505.	2.8	52
46	Nanomaterial-based sensors and biosensors for enhanced inorganic arsenic detection: A functional perspective. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128100.	4.0	51
47	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.	4.0	50
48	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.	5.2	49
49	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.	4.0	45
50	Highly sensitive and specific colorimetric detection of phosphate by using Zr(III) to synergistically suppress the peroxidase-mimicking activity of hydrophilic Fe ₃ O ₄ nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126822.	4.0	45
51	Tri-functional Fe-Zr bi-metal-organic frameworks enable high-performance phosphate ion ratiometric fluorescent detection. <i>Nanoscale</i> , 2020, 12, 19383-19389.	2.8	45
52	Construction of a recyclable oxidase-mimicking Fe ₃ O ₄ @MnOx-based colorimetric sensor array for quantifying and identifying chlorophenols. <i>Analytica Chimica Acta</i> , 2020, 1107, 203-212.	2.6	44
53	Disposable screen-printed antimony film electrode modified with carbon nanotubes/ionic liquid for electrochemical stripping measurement. <i>Electrochimica Acta</i> , 2011, 56, 9921-9925.	2.6	43
54	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.	2.4	43

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55	Pd nanoparticle-decorated graphitic C ₃ N ₄ nanosheets with bifunctional peroxidase mimicking and ON ⁺ fluorescence enable naked-eye and fluorescent dual-readout sensing of glucose. <i>Journal of Materials Chemistry B</i> , 2019, 7, 233-239.	2.9	43
56	Polyethylenimine-stabilized silver nanoclusters act as an oxidoreductase mimic for colorimetric determination of chromium(VI). <i>Mikrochimica Acta</i> , 2020, 187, 263.	2.5	42
57	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.	2.5	41
58	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.	4.0	41
59	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.	6.5	41
60	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.	2.6	39
61	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.	3.6	39
62	Two Are Better than One: Halloysite Nanotubes-Supported Surface Imprinted Nanoparticles Using Synergy of Metal Chelating and Low p <i>K_a</i> Boronic Acid Monomers for Highly Specific Luteolin Binding under Neutral Condition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33191-33202.	4.0	39
63	Enzyme-Free Amperometric Detection of Glucose on Platinum-Replaced Porous Copper Frameworks. <i>Electrochimica Acta</i> , 2015, 165, 383-389.	2.6	38
64	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.	2.9	38
65	Breaking the pH limitation of peroxidase-like CoFe ₂ O ₄ nanozyme via vitrification for one-step glucose detection at physiological pH. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129033.	4.0	38
66	Anamperometric superoxide anion radical biosensor based on SOD/PtPd-PDARGO modified electrode. <i>Talanta</i> , 2015, 137, 18-24.	2.9	37
67	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.	6.6	37
68	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.	1.5	36
69	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.	4.0	33
70	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.	4.0	32
71	Highly active and durable methanol electro-oxidation catalyzed by small palladium nanoparticles inside sulfur-doped carbon microsphere. <i>Fuel</i> , 2017, 190, 174-181.	3.4	31
72	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.	2.5	30

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73	Three-dimensional flower-like multifunctional adsorbents with excellent sorptive removal and colorimetric detection of arsenate. <i>Chemical Engineering Journal</i> , 2020, 398, 125649.	6.6	30
74	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.	4.0	30
75	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.	2.0	29
76	Porous screen-printed carbon electrode. <i>Electrochemistry Communications</i> , 2012, 22, 170-173.	2.3	28
77	Emerging Applications of Additive Manufacturing in Biosensors and Bioanalytical Devices. <i>Advanced Materials Technologies</i> , 2020, 5, .	3.0	27
78	Enhancing the Electrocatalytic Activity of Pt/Pd Catalysts by Introducing Porous Architectures. <i>ChemCatChem</i> , 2013, 5, 1416-1425.	1.8	26
79	Trace Iodide Dramatically Accelerates the Peroxidase Activity of VO ₂ at ppb Concentration Levels. <i>ChemistrySelect</i> , 2017, 2, 10854-10859.	0.7	26
80	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.	1.7	26
81	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.	2.6	25
82	Novel Screen-Printed Gold Nano Film Electrode for Trace Mercury(II) Determination Using Anodic Stripping Voltammetry. <i>Analytical Letters</i> , 2012, 45, 764-773.	1.0	24
83	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.	2.5	24
84	Anneal-shrunk Cu ₂ O dendrites grown on porous Cu foam as a robust interface for high-performance nonenzymatic glucose sensing. <i>Talanta</i> , 2016, 161, 615-622.	2.9	24
85	Colorimetric detection and membrane removal of arsenate by a multifunctional L-arginine modified FeOOH. <i>Separation and Purification Technology</i> , 2021, 258, 118021.	3.9	24
86	Determination of Lead(II) Using Screen-Printed Bismuth-Antimony Film Electrode. <i>Electroanalysis</i> , 2013, 25, 1446-1452.	1.5	23
87	Nanozymes with Multiple Activities: Prospects in Analytical Sensing. <i>Biosensors</i> , 2022, 12, 251.	2.3	23
88	Disposable Screen-printed Bismuth Electrode Modified with Multi-walled Carbon Nanotubes for Electrochemical Stripping Measurements. <i>Analytical Sciences</i> , 2011, 27, 1237-1241.	0.8	21
89	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, 9534-9541.	1.7	21
90	Fabrication of hydrophobic polymer foams with double acid sites on surface of macropore for conversion of carbohydrate. <i>Carbohydrate Polymers</i> , 2016, 143, 212-222.	5.1	21

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91	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.	1.3	21
92	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.	4.0	21
93	Smartphone-assisted off-line photometric determination of phosphate ion based on target-promoted peroxidase-mimetic activity of porous CexZr1-xO2 (x=0.5) nanocomposites. <i>Environmental Research</i> , 2020, 189, 109921.	3.7	20
94	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.	2.6	20
95	Carbamate Insecticide Sensing Based on Acetylcholinesterase/Prussian Blue-Multi-Walled Carbon Nanotubes/Screen-Printed Electrodes. <i>Analytical Letters</i> , 2013, 46, 803-817.	1.0	19
96	Colorimetric evaluation of the hydroxyl radical scavenging ability of antioxidants using carbon-confined CoOx as a highly active peroxidase mimic. <i>Mikrochimica Acta</i> , 2019, 186, 354.	2.5	19
97	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.	1.3	18
98	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.	2.6	17
99	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.	6.6	17
100	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.	4.0	17
101	Platinum Nanoparticles Encapsulated in Carbon Microspheres: Toward Electro-Catalyzing Glucose with High Activity and Stability. <i>Electrochimica Acta</i> , 2015, 151, 326-331.	2.6	16
102	Pyrophosphate-Mediated On-Off Oxidase-Like Activity Switching of Nanosized MnFe2O4 for Alkaline Phosphatase Sensing. <i>Journal of Analysis and Testing</i> , 2019, 3, 228-237.	2.5	15
103	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.	1.3	15
104	Combining CeVO ₄ 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.	2.6	15
105	Ratiometric Colorimetric Detection of Nitrite Realized by Stringing Nanozyme Catalysis and Diazotization Together. <i>Biosensors</i> , 2021, 11, 280.	2.3	15
106	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.	6.6	14
107	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.	2.6	13
108	Emulsion-templated construction of enzyme-nanozyme integrated hierarchically porous hydrogels for smartphone-assisted pesticide biosensing. <i>Chemical Engineering Journal</i> , 2022, 433, 133669.	6.6	13

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109	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.	1.3	12
110	Nanozyme-Participated Biosensing of Pesticides and Cholinesterases: A Critical Review. <i>Biosensors</i> , 2021, 11, 382.	2.3	12
111	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.	1.4	11
112	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, 943-949.	0.8	10
113	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.	1.5	9
114	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.	4.0	9
115	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.	1.3	8
116	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.	1.7	7
117	A novel alkaline phosphatase activity sensing strategy combining enhanced peroxidase-mimetic feature of sulfuration-engineered CoOx with electrostatic aggregation. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5551-5561.	1.9	7
118	Nanozyme catalysis-assisted ratiometric multicolor sensing of heparin based on target-specific electrostatic-induced aggregation. <i>Talanta</i> , 2022, 238, 123003.	2.9	6
119	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.	2.9	5
120	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.	1.7	4
121	Nanozymes: Emerging Nanomaterials to Detect Toxic Ions. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 71-93.	0.3	0
122	Disposable Hydrogen Peroxide and Glucose Sensors Fabricated on Platinum-Plated Screen-Printed Double-Electrode. <i>Advanced Science Letters</i> , 2012, 17, 238-242.	0.2	0