Chuanxia Chen

List of Publications by Year
in descending order

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		201658	197805
48	2,467	27	49
papers	citations	h-index	g-index

49	49	49	2546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective Electrochemical H₂O₂ Production through Twoâ€Electron Oxygen Electrochemistry. Advanced Energy Materials, 2018, 8, 1801909.	19.5	498
2	Fluorescence Immunoassay Based on the Phosphate-Triggered Fluorescence Turn-on Detection of Alkaline Phosphatase. Analytical Chemistry, 2018, 90, 3505-3511.	6.5	145
3	Hemin-assisted synthesis of peroxidase-like Fe-N-C nanozymes for detection of ascorbic acid-generating bio-enzymes. Chemical Engineering Journal, 2021, 415, 128876.	12.7	116
4	Fluorescence Immunoassay System via Enzyme-Enabled in Situ Synthesis of Fluorescent Silicon Nanoparticles. Analytical Chemistry, 2016, 88, 9789-9795.	6.5	98
5	Logically Regulating Peroxidase-Like Activity of Gold Nanoclusters for Sensing Phosphate-Containing Metabolites and Alkaline Phosphatase Activity. Analytical Chemistry, 2019, 91, 15017-15024.	6.5	93
6	Integrated Logic Gate for Fluorescence Turn-on Detection of Histidine and Cysteine Based on Ag/Au Bimetallic Nanoclustersâ€“Cu2+Ensemble. ACS Applied Materials & Interfaces, 2015, 7, 6860-6866.	8.0	90
7	Carbon dots-assisted colorimetric and fluorometric dual-mode protocol for acetylcholinesterase activity and inhibitors screening based on the inner filter effect of silver nanoparticles. Analyst, The, 2016, 141, 3280-3288.	3.5	80
8	Highly fluorescent nitrogen and sulfur co-doped graphene quantum dots for an inner filter effect-based cyanide sensor. Sensors and Actuators B: Chemical, 2017, 241, 779-788.	7.8	78
9	Alkaline Phosphatase-Triggered in Situ Formation of Silicon-Containing Nanoparticles for a Fluorometric and Colorimetric Dual-Channel Immunoassay. Analytical Chemistry, 2020, 92, 4639-4646.	6.5	75
10	A dual-mode colorimetric and fluorometric â€œlight onâ€•sensor for thiocyanate based on fluorescent carbon dots and unmodified gold nanoparticles. Analyst, The, 2015, 140, 8157-8164.	3.5	68
11	Carbon dots confined in N-doped carbon as peroxidase-like nanozyme for detection of gastric cancer relevant D-amino acids. Chemical Engineering Journal, 2022, 428, 131396.	12.7	68
12	Engineering Two-Dimensional Pd Nanoplates with Exposed Highly Active {100} Facets Toward Colorimetric Acid Phosphatase Detection. ACS Applied Materials & Interfaces, 2019, 11, 47564-47570.	8.0	65
13	Gold nanoclusters-based dual-channel assay for colorimetric and turn-on fluorescent sensing of alkaline phosphatase. Sensors and Actuators B: Chemical, 2019, 301, 127080.	7.8	60
14	Single-atom Pd catalysts as oxidase mimics with maximum atom utilization for colorimetric analysis. Nano Research, 2022, 15, 4411-4420.	10.4	55
15	Multienzyme Cascades Based on Highly Efficient Metalâ€“Nitrogenâ€“Carbon Nanozymes for Construction of Versatile Bioassays. Analytical Chemistry, 2022, 94, 3485-3493.	6.5	54
16	Light-responsive Au nanoclusters with oxidase-like activity for fluorescent detection of total antioxidant capacity. Journal of Hazardous Materials, 2021, 411, 125106.	12.4	52
17	Fluorescence assay for alkaline phosphatase based on ATP hydrolysis-triggered dissociation of cerium coordination polymer nanoparticles. Analyst, The, 2018, 143, 3821-3828.	3.5	47
18	Colorimetric Logic Gate for Pyrophosphate and Pyrophosphatase via Regulating the Catalytic Capability of Horseradish Peroxidase. ACS Applied Materials & Interfaces, 2016, 8, 29529-29535.	8.0	44

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19	A label-free colorimetric sensor for sulfate based on the inhibition of peroxidase-like activity of cysteamine-modified gold nanoparticles. Sensors and Actuators B: Chemical, 2015, 215, 437-444.	7.8	43
20	Amorphous Cobalt Boride Nanosheets Directly Grown on Nickel Foam: Controllable Alternately Dipping Deposition for Efficient Oxygen Evolution. ChemElectroChem, 2019, 6, 3684-3689.	3.4	43
21	Europium Luminescence Used for Logic Gate and Ions Sensing with Enoxacin As the Antenna. Analytical Chemistry, 2016, 88, 1238-1245.	6.5	42
22	A dual-mode signaling response of a AuNP-fluorescein based probe for specific detection of thiourea. Analyst, The, 2016, 141, 2581-2587.	3.5	40
23	A simple and rapid colorimetric sensor for sulfide anion detection based on redox reaction of ABTS with Au (III). Sensors and Actuators B: Chemical, 2015, 220, 1247-1253.	7.8	39
24	A new colorimetric protocol for selective detection of phosphate based on the inhibition of peroxidase-like activity of magnetite nanoparticles. Analytical Methods, 2015, 7, 161-167.	2.7	36
25	Enhanced oxidase-like activity of g-C3N4 nanosheets supported Pd nanosheets for ratiometric fluorescence detection of acetylcholinesterase activity and its inhibitor. Chinese Chemical Letters, 2022, 33, 757-761.	9.0	35
26	Single-atom Pt catalysts as oxidase mimic for p-benzoquinone and Î±-glucosidase activity detection. Chemical Engineering Journal, 2022, 449, 137855.	12.7	32
27	Spontaneous Deposition of Uniformly Distributed Ruthenium Nanoparticles on Graphitic Carbon Nitride for Quantifying Electrochemically Accumulated <scp>H₂O₂</scp>. Chinese Journal of Chemistry, 2021, 39, 3369-3374.	4.9	30
28	Accelerated Mimetic Oxidase Activity of Polydopamine-Dressed PdCu Nanozyme for the Detection of Ascorbic Acid Related Bioenzymes. ACS Sustainable Chemistry and Engineering, 2022, 10, 1653-1663.	6.7	30
29	A fluorescent assay for alkaline phosphatase activity based on inner filter effect by in-situ formation of fluorescent azamonardine. Sensors and Actuators B: Chemical, 2020, 302, 127145.	7.8	27
30	Fluorometric and colorimetric dual-readout alkaline phosphatase activityÂassay based on enzymatically induced formation of colored Au@Ag nanoparticles and an inner filter effect. Mikrochimica Acta, 2019, 186, 348.	5.0	26
31	A simple and sensitive assay for the determination of nitrite using folic acid as the fluorescent probe. Analytical Methods, 2015, 7, 1543-1548.	2.7	25
32	Colorimetric determination of the activity of alkaline phosphatase by exploiting the oxidase-like activity of palladium cube@CeO2 core-shell nanoparticles. Mikrochimica Acta, 2020, 187, 115.	5.0	25
33	Fluorometric determination of the activity of alkaline phosphatase and its inhibitors based on ascorbic acid-induced aggregation of carbon dots. Mikrochimica Acta, 2019, 186, 202.	5.0	22
34	Real-Time Analysis of Binding Events between Different Aβ_{1–42} Species and Human Lilrb2 by Dual Polarization Interferometry. Analytical Chemistry, 2017, 89, 2606-2612.	6.5	21
35	Ultrathin PdCu alloy nanosheetâ€“assembled 3D nanoflowers with high peroxidase-like activity toward colorimetric glucose detection. Mikrochimica Acta, 2021, 188, 114.	5.0	19
36	Peroxidase-like activity of Ruâ€“Nâ€“C nanozymes in colorimetric assay of acetylcholinesterase activity. Analytica Chimica Acta, 2022, 1191, 339362.	5.4	19

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37	A simple and sensitive fluorescent assay for hemin detection based on artemisinin-thiamine. Sensors and Actuators B: Chemical, 2018, 273, 198-203.	7.8	17
38	Highly sensitive fluorescent detection of glutathione and histidine based on the Cu(<scp>ii</scp>)-thiamine system. Analyst, The, 2018, 143, 4442-4447.	3.5	16
39	Spectrophotometric determination of the activity of alkaline phosphatase and detection of its inhibitors by exploiting the pyrophosphate-accelerated oxidase-like activity of nanoceria. Mikrochimica Acta, 2019, 186, 320.	5.0	15
40	Metalâ€“polydopamine framework-derived (Co)/N-doped carbon hollow nanocubes as efficient oxygen electrocatalysts. Sustainable Energy and Fuels, 2020, 4, 3370-3377.	4.9	13
41	Manganese-doped iron coordination polymer nanoparticles with enhanced peroxidase-like activity for colorimetric detection of antioxidants. Analyst, The, 2022, 147, 238-246.	3.5	13
42	Fluorometric determination of sulfide ions via its inhibitory effect on the oxidation of thiamine by Cu(II) ions. Mikrochimica Acta, 2018, 185, 362.	5.0	11
43	Emerging interstitial/substitutional modification of Pd-based nanomaterials with nonmetallic elements for electrocatalytic applications. Nanoscale, 2022, 14, 2915-2942.	5.6	11
44	Colorimetric detection of acetylcholinesterase and its inhibitor based on thiol-regulated oxidase-like activity of 2D palladium square nanoplates on reduced graphene oxide. Mikrochimica Acta, 2021, 188, 162.	5.0	9
45	Inhibited oxidase mimetic activity of palladium nanoplates by poisoning the active sites for thiocyanate detection. Analyst, The, 2021, 146, 1650-1655.	3.5	8
46	In Situ Formation of 2,3-Diaminophenazine for Evaluation of Alkaline Phosphatase Activity via the Inner Filter Effect. ACS Applied Bio Materials, 2020, 3, 6394-6399.	4.6	5
47	Carbon nanotubes regulated by oxidizing functional groups as peroxidase mimics for total antioxidant capacity determination. Biosensors and Bioelectronics: X, 2022, 11, 100190.	1.7	4
48	Ironâ€Nitrogen Coâ€doped Carbon with a Tunable Composition as Efficient Electrocatalysts for Oxygen Reduction. ChemElectroChem, 2021, 8, 1055-1061.	3.4	3