Xuemin Zhou

List of Publications by Year
in descending order

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61	2,885	159585	168389
papers	citations	30 h-index	53 g-index

61	61	61	3354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An â€œon-offâ€•ratio photoluminescence sensor based on catalytically induced PET effect by Fe3O4 NPs for the determination of coumarin. Food Chemistry, 2022, 368, 130838.	8.2	10
2	A biosensor based on the biomimetic oxidase Fe3O4@MnO2 for colorimetric determination of uric acid. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112347.	5.0	25
3	A CRISPR-derived biosensor for the sensitive detection of transcription factors based on the target-induced inhibition of Cas12a activation. Biosensors and Bioelectronics, 2021, 173, 112619.	10.1	36
4	Electrochemical Biosensor Based on HRP/Ti₃C₂/Nafion Film for Determination of Hydrogen Peroxide in Serum Samples of Patients with Acute Myocardial Infarction. ACS Biomaterials Science and Engineering, 2021, 7, 2767-2773.	5.2	24
5	A sensitive colorimetric sensor based on one-pot preparation of h-Fe3O4@ppy with high peroxidase-like activity for determination of glutathione and H2O2. Sensors and Actuators B: Chemical, 2021, 338, 129844.	7.8	39
6	A label-free electrochemical biosensor based on magnetic biocomposites with DNAzyme and hybridization chain reaction dual signal amplification for the determination of Pb2+. Mikrochimica Acta, 2020, 187, 575.	5.0	21
7	Recent advance in the sensing of biomarker transcription factors. TrAC - Trends in Analytical Chemistry, 2020, 132, 116039.	11.4	16
8	A versatile turn-on fluorometric biosensing profile based on split aptamers-involved assembly of nanocluster beacon sandwich. Sensors and Actuators B: Chemical, 2020, 324, 128586.	7.8	25
9	A label-free electrochemical magnetic aptasensor based on exonuclease IIIâ€“assisted signal amplification for determination of carcinoembryonic antigen. Mikrochimica Acta, 2020, 187, 492.	5.0	13
10	An electrochemical and fluorescence dual-signal assay based on Fe3O4@MnO2 and N-doped carbon dots for determination of hydrogen peroxide. Mikrochimica Acta, 2020, 187, 187.	5.0	25
11	A signal transduction approach for multiplexed detection of transcription factors by integrating DNA nanotechnology, multi-channeled isothermal amplification, and chromatography. Journal of Chromatography A, 2020, 1624, 461148.	3.7	12
12	Dual-Emission Reverse Change Ratio Photoluminescence Sensor Based on a Probe of Nitrogen-Doped Ti₃C₂ Quantum Dots@DAP to Detect H₂O₂ and Xanthine. Analytical Chemistry, 2020, 92, 7770-7777.	6.5	88
13	Label-Free Colorimetric Detection of Acid Phosphatase and Screening of Its Inhibitors Based on Biomimetic Oxidase Activity of MnO₂ Nanosheets. ACS Biomaterials Science and Engineering, 2020, 6, 3132-3138.	5.2	30
14	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. Angewandte Chemie, 2019, 131, 4282-4286.	2.0	31
15	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. Angewandte Chemie - International Edition, 2019, 58, 4238-4242.	13.8	76
16	A versatile fluorometric aptasensing scheme based on the use of a hybrid material composed of polypyrrole nanoparticles and DNA-silver nanoclusters: application to the determination of adenosine, thrombin, or interferon-gamma. Mikrochimica Acta, 2019, 186, 356.	5.0	21
17	A label-free electrochemical aptasensor based on magnetic biocomposites with Pb2+-dependent DNAzyme for the detection of thrombin. Analytica Chimica Acta, 2019, 1047, 21-27.	5.4	48
18	Detecting transcription factors with allosteric DNA-Silver nanocluster switches. Analytica Chimica Acta, 2019, 1048, 168-177.	5.4	30

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19	Turn-on fluorescent assay based on purification system via magnetic separation for highly sensitive probing of adenosine. Sensors and Actuators B: Chemical, 2018, 259, 855-861.	7.8	15
20	Signal amplification by strand displacement in a carbon dot based fluorometric assay for ATP. Mikrochimica Acta, 2018, 185, 392.	5.0	31
21	Highly selective determination of acid phosphatase in biological samples using a biomimetic recognition-based SERS sensor. Sensors and Actuators B: Chemical, 2018, 276, 421-428.	7.8	23
22	DNA-silver nanoclusters/polypyrrole nanoparticles: A label-free and enzyme-free platform for multiplexed transcription factors detection. Sensors and Actuators B: Chemical, 2018, 274, 481-490.	7.8	20
23	Enantiorecognition of Tyrosine Based on a Novel Magnetic Electrochemical Chiral Sensor. Electrochimica Acta, 2017, 241, 386-394.	5.2	71
24	Determination of active ingredients in Chinese medicine Danning Tablets using dispersion solid-phase extraction by molecular imprinting nanomaterials coupled with HPLC-DAD. Analytical Methods, 2017, 9, 2585-2589.	2.7	5
25	Colorimetric and visual determination of adenosine triphosphate using a boronic acid as the recognition element, and based on the deaggregation of gold nanoparticles. Mikrochimica Acta, 2017, 184, 4305-4312.	5.0	26
26	A turn-on fluorescence aptasensor based on carbon dots for sensitive detection of adenosine. New Journal of Chemistry, 2017, 41, 9230-9235.	2.8	22
27	Sensitive and Label-Free Fluorescent Detection of Transcription Factors Based on DNA-Ag Nanoclusters Molecular Beacons and Exonuclease III-Assisted Signal Amplification. Analytical Chemistry, 2017, 89, 7316-7323.	6.5	66
28	G-quadruplex based Exo III-assisted signal amplification aptasensor for the colorimetric detection of adenosine. Analytica Chimica Acta, 2017, 980, 58-64.	5.4	39
29	Selective capture and rapid identification of Panax notoginseng metabolites in rat faeces by the integration of magnetic molecularly imprinted polymers and high-performance liquid chromatography coupled with orbitrap mass spectrometry. Journal of Chromatography A, 2016, 1455, 65-73.	3.7	19
30	Magnetically controlled electrochemical sensing membrane based on multifunctional molecularly imprinted polymers for detection of insulin. Electrochimica Acta, 2016, 218, 91-100.	5.2	55
31	Selective separation and identification of metabolite groups of Polygonum cuspidatum extract in rat plasma using dispersion solid-phase extraction by magnetic molecularly imprinted polymers coupled with LC/Q-TOF-MS. RSC Advances, 2016, 6, 12193-12204.	3.6	21
32	Aggregation-induced emission from gold nanoclusters for use as a luminescence-enhanced nanosensor to detect trace amounts of silver ions. Journal of Colloid and Interface Science, 2016, 467, 90-96.	9.4	73
33	One-step facile synthesis of novel Î²-amino alcohol functionalized carbon dots for the fabrication of a selective copper ion sensing interface based on the biuret reaction. RSC Advances, 2016, 6, 18326-18332.	3.6	17
34	Development and application of novel clonazepam molecularly imprinted coatings for stir bar sorptive extraction. Journal of Colloid and Interface Science, 2016, 468, 183-191.	9.4	18
35	Magnetic sensing film based on Fe3O4@Au-GSH molecularly imprinted polymers for the electrochemical detection of estradiol. Biosensors and Bioelectronics, 2016, 79, 180-186.	10.1	149
36	Selective separation and determination of the synthetic colorants in beverages by magnetic solid-phase dispersion extraction based on a Fe3O4/reduced graphene oxide nanocomposite followed by high-performance liquid chromatography with diode array detectio. Journal of Separation Science, 2015, 38, 2167-2173.	2.5	17

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37	Facile and controllable one-step fabrication of molecularly imprinted polymer membrane by magnetic field directed self-assembly for electrochemical sensing of glutathione. Analytica Chimica Acta, 2015, 886, 37-47.	5.4	74
38	Vanillin-molecularly targeted extraction of stir bar based on magnetic field induced self-assembly of multifunctional Fe3O4@Polyaniline nanoparticles for detection of vanilla-flavor enhancers in infant milk powders. Journal of Colloid and Interface Science, 2015, 442, 22-29.	9.4	40
39	Novel electrochemical sensing platform based on magnetic field-induced self-assembly of Fe3O4@Polyaniline nanoparticles for clinical detection of creatinine. Biosensors and Bioelectronics, 2014, 56, 180-185.	10.1	103
40	Electrochemical serotonin sensing interface based on double-layered membrane of reduced graphene oxide/polyaniline nanocomposites and molecularly imprinted polymers embedded with gold nanoparticles. Sensors and Actuators B: Chemical, 2014, 196, 57-63.	7.8	109
41	Fe3O4@rGO doped molecularly imprinted polymer membrane based on magnetic field directed self-assembly for the determination of amaranth. Talanta, 2014, 123, 101-108.	5.5	82
42	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on graphene anchored with Pdâ€“Pt nanoparticles. Colloids and Surfaces B: Biointerfaces, 2013, 111, 392-397.	5.0	179
43	Dumbbell-shaped stir bar coated with dendrimer-based MIPs for selective extraction and analysis of vardenafil and its analogue sildenafil in health foods. Analytical Methods, 2013, 5, 4494.	2.7	23
44	RGO LBL modified biomimetic electrochemical sensor for detection of Sildenafil in herbal sexual healthproducts. Biosensors and Bioelectronics, 2013, 42, 287-292.	10.1	29
45	Amperometric detection of dopamine in human serumby electrochemical sensor based on gold nanoparticles doped molecularly imprinted polymers. Biosensors and Bioelectronics, 2013, 49, 199-203.	10.1	199
46	Selective separation and enrichment of glibenclamide in health foods using surface molecularly imprinted polymers prepared via dendritic grafting of magnetic nanoparticles. Journal of Separation Science, 2013, 36, 1015-1021.	2.5	35
47	Molecular imprinting-based micro-stir bar sorptive extraction for specific analysis of Glibenclamide in herbal dietary supplements. Journal of Separation Science, 2012, 35, 3593-3599.	2.5	10
48	An analytical method for estrogens in milk powder by pseudo template imprinted polymer coated fiber coupled with HPLC. Analytical Methods, 2012, 4, 3300.	2.7	10
49	An efficient hybrid design to prepare highly dense imprinted layer-coated silica particles for selective uptake of trace metsulfuron-methyl from complicated matrices. RSC Advances, 2012, 2, 273-283.	3.6	8
50	Magnetic molecularly imprinted nanoparticles based on dendritic-grafting modification for determination of estrogens in plasma samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 905, 105-112.	2.3	48
51	Reduced graphene oxide-platinum nanoparticles composites based imprinting sensor for sensitively electrochemical analysis of 17Î²-estradiol. Journal of Electroanalytical Chemistry, 2012, 682, 121-127.	3.8	42
52	Dummy molecularly imprinted polymers as the coating of stir bar for sorptive extraction of bisphenol A in tap water. Journal of Separation Science, 2012, 35, 707-712.	2.5	28
53	Highly selective stir bar coated with dummy molecularly imprinted polymers for trace analysis of bisphenol <scp>A</scp> in milk. Journal of Separation Science, 2012, 35, 1036-1043.	2.5	47
54	Preparation of estriolâ€“molecularly imprinted silica nanoparticles for determining oestrogens in milk tablets. Food Chemistry, 2012, 131, 1063-1068.	8.2	53

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55	Layer-by-layer assembled multilayer films of reduced graphene oxide/gold nanoparticles for the electrochemical detection of dopamine. Journal of Electroanalytical Chemistry, 2012, 672, 40-44.	3.8	132
56	Self-assembly molecularly imprinted polymers of 17Î²-estradiol on the surface of magnetic nanoparticles for selective separation and detection of estrogenic hormones in feeds. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2595-2600.	2.3	59
57	Electrochemical sensor based on molecularly imprinted membranes at platinum nanoparticles-modified electrode for determination of 17Î²-estradiol. Biosensors and Bioelectronics, 2011, 29, 29-33.	10.1	119
58	Synthesis of coreâ€“shell magnetic molecularly imprinted polymers and detection of sildenafil and vardenafil in herbal dietary supplements. Journal of Hazardous Materials, 2011, 191, 177-183.	12.4	73
59	The study of coreâ€“shell molecularly imprinted polymers of 17Î²-estradiol on the surface of silica nanoparticles. Biosensors and Bioelectronics, 2011, 26, 2791-2795.	10.1	83
60	Determination of finasteride in human plasma by liquid chromatographyâ€“electrospray ionization tandem mass spectrometry with flow rate gradient. European Journal of Drug Metabolism and Pharmacokinetics, 2011, 35, 137-146.	1.6	2
61	Construction of uniformly sized pseudo template imprinted polymers coupled with HPLCâ€“UV for the selective extraction and determination of trace estrogens in chicken tissue samples. Journal of Hazardous Materials, 2011, 186, 1513-1519.	12.4	41