

# Xuemin Zhou

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

2,298  
citations

27  
h-index

46  
g-index

61  
ext. papers

2,576  
ext. citations

6.9  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
61	Amperometric detection of dopamine in human serum by electrochemical sensor based on gold nanoparticles doped molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 49, 199-203	11.8	159
60	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on graphene anchored with Pd-Pt nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 392-7	6	153
59	Layer-by-layer assembled multilayer films of reduced graphene oxide/gold nanoparticles for the electrochemical detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 672, 40-44	4.1	120
58	Magnetic sensing film based on Fe <sub>3</sub> O <sub>4</sub> @Au-GSH molecularly imprinted polymers for the electrochemical detection of estradiol. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 180-6	11.8	118
57	Electrochemical sensor based on molecularly imprinted membranes at platinum nanoparticles-modified electrode for determination of 17 $\beta$ estradiol. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 29, 29-33	11.8	104
56	Electrochemical serotonin sensing interface based on double-layered membrane of reduced graphene oxide/polyaniline nanocomposites and molecularly imprinted polymers embedded with gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 196, 57-63	8.5	93
55	Novel electrochemical sensing platform based on magnetic field-induced self-assembly of Fe <sub>3</sub> O <sub>4</sub> @Polyaniline nanoparticles for clinical detection of creatinine. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 56, 180-5	11.8	85
54	The study of core-shell molecularly imprinted polymers of 17 $\beta$ estradiol on the surface of silica nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2791-5	11.8	80
53	Fe <sub>3</sub> O <sub>4</sub> @rGO doped molecularly imprinted polymer membrane based on magnetic field directed self-assembly for the determination of amaranth. <i>Talanta</i> , <b>2014</b> , 123, 101-8	6.2	69
52	Synthesis of core-shell magnetic molecularly imprinted polymers and detection of sildenafil and vardenafil in herbal dietary supplements. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 191, 177-83	12.8	68
51	Aggregation-induced emission from gold nanoclusters for use as a luminescence-enhanced nanosensor to detect trace amounts of silver ions. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 467, 90-96	9.3	61
50	Facile and controllable one-step fabrication of molecularly imprinted polymer membrane by magnetic field directed self-assembly for electrochemical sensing of glutathione. <i>Analytica Chimica Acta</i> , <b>2015</b> , 886, 37-47	6.6	60
49	Sensitive and Label-Free Fluorescent Detection of Transcription Factors Based on DNA-Ag Nanoclusters Molecular Beacons and Exonuclease III-Assisted Signal Amplification. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 7316-7323	7.8	59
48	Self-assembly molecularly imprinted polymers of 17 $\beta$ estradiol on the surface of magnetic nanoparticles for selective separation and detection of estrogenic hormones in feeds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 2595-600	3.2	56
47	Preparation of estriol@molecularly imprinted silica nanoparticles for determining oestrogens in milk tablets. <i>Food Chemistry</i> , <b>2012</b> , 131, 1063-1068	8.5	49
46	Enantio-recognition of Tyrosine Based on a Novel Magnetic Electrochemical Chiral Sensor. <i>Electrochimica Acta</i> , <b>2017</b> , 241, 386-394	6.7	48
45	Magnetically controlled electrochemical sensing membrane based on multifunctional molecularly imprinted polymers for detection of insulin. <i>Electrochimica Acta</i> , <b>2016</b> , 218, 91-100	6.7	47

44	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4238-4242	16.4	45
43	Magnetic molecularly imprinted nanoparticles based on dendritic-grafting modification for determination of estrogens in plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 905, 105-12	3.2	45
42	Highly selective stir bar coated with dummy molecularly imprinted polymers for trace analysis of bisphenol A in milk. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 1036-43	3.4	44
41	Dual-Emission Reverse Change Ratio Photoluminescence Sensor Based on a Probe of Nitrogen-Doped TiC Quantum Dots@DAP to Detect HO and Xanthine. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7770-7777	7.8	43
40	Construction of uniformly sized pseudo template imprinted polymers coupled with HPLC-UV for the selective extraction and determination of trace estrogens in chicken tissue samples. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1513-9	12.8	38
39	Vanillin-molecularly targeted extraction of stir bar based on magnetic field induced self-assembly of multifunctional Fe <sub>3</sub> O <sub>4</sub> @Polyaniline nanoparticles for detection of vanilla-flavor enhancers in infant milk powders. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 442, 22-9	9.3	37
38	Reduced graphene oxide-platinum nanoparticles composites based imprinting sensor for sensitively electrochemical analysis of 17 $\beta$ estradiol. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 682, 121-127	4.1	34
37	Selective separation and enrichment of glibenclamide in health foods using surface molecularly imprinted polymers prepared via dendritic grafting of magnetic nanoparticles. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 1015-21	3.4	34
36	A label-free electrochemical aptasensor based on magnetic biocomposites with Pb-dependent DNase for the detection of thrombin. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1047, 21-27	6.6	34
35	G-quadruplex based Exo III-assisted signal amplification aptasensor for the colorimetric detection of adenosine. <i>Analytica Chimica Acta</i> , <b>2017</b> , 980, 58-64	6.6	30
34	Dummy molecularly imprinted polymers as the coating of stir bar for sorptive extraction of bisphenol A in tap water. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 707-12	3.4	27
33	RGO LBL modified biomimetic electrochemical sensor for detection of Sildenafil in herbal sexual health products. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 42, 287-92	11.8	25
32	Detecting transcription factors with allosteric DNA-Silver nanocluster switches. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1048, 168-177	6.6	25
31	Signal amplification by strand displacement in a carbon dot based fluorometric assay for ATP. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 392	5.8	24
30	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4282-4286	3.6	22
29	Dumbbell-shaped stir bar coated with dendrimer-based MIPs for selective extraction and analysis of vardenafil and its analogue sildenafil in health foods. <i>Analytical Methods</i> , <b>2013</b> , 5, 4494	3.2	22
28	A CRISPR-derived biosensor for the sensitive detection of transcription factors based on the target-induced inhibition of Cas12a activation. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 173, 112619	11.8	21
27	Colorimetric and visual determination of adenosine triphosphate using a boronic acid as the recognition element, and based on the deaggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4305-4312	5.8	20

26	Selective separation and identification of metabolite groups of <i>Polygonum cuspidatum</i> extract in rat plasma using dispersion solid-phase extraction by magnetic molecularly imprinted polymers coupled with LC/Q-TOF-MS. <i>RSC Advances</i> , <b>2016</b> , 6, 12193-12204	3.7	19
25	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. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 356	5.8	18
24	DNA-silver nanoclusters/polypyrrole nanoparticles: A label-free and enzyme-free platform for multiplexed transcription factors detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 274, 481-490	8.5	18
23	A turn-on fluorescence aptasensor based on carbon dots for sensitive detection of adenosine. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 9230-9235	3.6	18
22	Selective capture and rapid identification of <i>Panax notoginseng</i> metabolites in rat faeces by the integration of magnetic molecularly imprinted polymers and high-performance liquid chromatography coupled with orbitrap mass spectrometry. <i>Journal of Chromatography A</i> , <b>2016</b> , 1455, 65-73	4.5	17
21	One-step facile synthesis of novel amino alcohol functionalized carbon dots for the fabrication of a selective copper ion sensing interface based on the biuret reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 18326-18332	3.7	16
20	Development and application of novel clonazepam molecularly imprinted coatings for stir bar sorptive extraction. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 468, 183-191	9.3	16
19	Highly selective determination of acid phosphatase in biological samples using a biomimetic recognition-based SERS sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 276, 421-428	8.5	16
18	Selective separation and determination of the synthetic colorants in beverages by magnetic solid-phase dispersion extraction based on a Fe <sub>3</sub> O <sub>4</sub> /reduced graphene oxide nanocomposite followed by high-performance liquid chromatography with diode array detection. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 2167-73	3.4	16
17	A versatile turn-on fluorometric biosensing profile based on split aptamers-involved assembly of nanocluster beacon sandwich. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 324, 128586	8.5	15
16	A sensitive colorimetric sensor based on one-pot preparation of h-Fe <sub>3</sub> O <sub>4</sub> @ppy with high peroxidase-like activity for determination of glutathione and H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 338, 129844	8.5	15
15	Turn-on fluorescent assay based on purification system via magnetic separation for highly sensitive probing of adenosine. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 855-861	8.5	13
14	Label-Free Colorimetric Detection of Acid Phosphatase and Screening of Its Inhibitors Based on Biomimetic Oxidase Activity of MnO Nanosheets. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 3132-3138	5.5	12
13	An electrochemical and fluorescence dual-signal assay based on FeO@MnO and N-doped carbon dots for determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 187	5.8	11
12	A label-free electrochemical biosensor based on magnetic biocomposites with DNAzyme and hybridization chain reaction dual signal amplification for the determination of Pb. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 575	5.8	11
11	A signal transduction approach for multiplexed detection of transcription factors by integrating DNA nanotechnology, multi-channelled isothermal amplification, and chromatography. <i>Journal of Chromatography A</i> , <b>2020</b> , 1624, 461148	4.5	10
10	Molecular imprinting-based micro-stir bar sorptive extraction for specific analysis of Glibenclamide in herbal dietary supplements. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 3593-9	3.4	10
9	An analytical method for estrogens in milk powder by pseudo template imprinted polymer coated fiber coupled with HPLC. <i>Analytical Methods</i> , <b>2012</b> , 4, 3300	3.2	10

8	Recent advance in the sensing of biomarker transcription factors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 132, 116039	14.6	9
7	An efficient hybrid design to prepare highly dense imprinted layer-coated silica particles for selective uptake of trace metsulfuron-methyl from complicated matrices. <i>RSC Advances</i> , <b>2012</b> , 2, 273-283	3.7	8
6	A label-free electrochemical magnetic aptasensor based on exonuclease III-assisted signal amplification for determination of carcinoembryonic antigen. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 492	5.8	6
5	Determination of active ingredients in Chinese medicine Danning Tablets using dispersion solid-phase extraction by molecular imprinting nanomaterials coupled with HPLC-DAD. <i>Analytical Methods</i> , <b>2017</b> , 9, 2585-2589	3.2	5
4	Electrochemical Biosensor Based on HRP/TiC/Nafion Film for Determination of Hydrogen Peroxide in Serum Samples of Patients with Acute Myocardial Infarction. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2767-2773	5.5	4
3	A biosensor based on the biomimetic oxidase FeO@MnO for colorimetric determination of uric acid.. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 212, 112347	6	3
2	An "on-off" ratio photoluminescence sensor based on catalytically induced PET effect by FeO NPs for the determination of coumarin. <i>Food Chemistry</i> , <b>2022</b> , 368, 130838	8.5	2
1	Determination of finasteride in human plasma by liquid chromatography-electrospray ionization tandem mass spectrometry with flow rate gradient. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , <b>2011</b> , 35, 137-46	2.7	1