Zhou Xu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A nanozyme-linked immunosorbent assay based on metal–organic frameworks (MOFs) for sensitive detection of aflatoxin B1. Food Chemistry, 2021, 338, 128039.	8.2	93
2	Preparation and evaluation of superparamagnetic surface molecularly imprinted polymer nanoparticles for selective extraction of bisphenol A in packed food. Analytical Methods, 2011, 3, 1737.	2.7	80
3	Chirality based sensor for bisphenol A detection. Chemical Communications, 2012, 48, 5760.	4.1	75
4	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. Advanced Optical Materials, 2013, 1, 626-630.	7.3	60
5	Recent Advances in Porphyrin-Based Materials for Metal Ions Detection. International Journal of Molecular Sciences, 2020, 21, 5839.	4.1	58
6	Extraction of antioxidant peptides from rice dreg protein hydrolysate via an angling method. Food Chemistry, 2021, 337, 128069.	8.2	53
7	Structure and functional properties of rice protein–dextran conjugates prepared by the Maillard reaction. International Journal of Food Science and Technology, 2018, 53, 372-380.	2.7	41
8	Microwave-assisted maillard reaction between rice protein and dextran induces structural changes and functional improvements. Journal of Cereal Science, 2021, 97, 103134.	3.7	39
9	Purification and identification immunomodulatory peptide from rice protein hydrolysates. Food and Agricultural Immunology, 2019, 30, 150-162.	1.4	35
10	Metal-Organic Frameworks of MIL-100(Fe, Cr) and MIL-101(Cr) for Aromatic Amines Adsorption from Aqueous Solutions. Molecules, 2019, 24, 3718.	3.8	33
11	Facile and rapid magnetic relaxation switch immunosensor for endocrine-disrupting chemicals. Biosensors and Bioelectronics, 2012, 32, 183-187.	10.1	32
12	Glycosylation of rice protein with dextran via the Maillard reaction in a macromolecular crowding condition to improve solubility. Journal of Cereal Science, 2022, 103, 103374.	3.7	29
13	Rice protein hydrolysates (RPHs) inhibit the LPS-stimulated inflammatory response and phagocytosis in RAW264.7 macrophages by regulating the NF-κB signaling pathway. RSC Advances, 2016, 6, 71295-71304.	3.6	28
14	New peptides with immunomodulatory activity identified from rice proteins through peptidomic and in silico analysis. Food Chemistry, 2021, 364, 130357.	8.2	28
15	Study of the detection of bisphenol A based on a nano-sized metal–organic framework crystal and an aptamer. Analytical Methods, 2017, 9, 906-909.	2.7	22
16	Protective effects of a wheat germ peptide (RVF) against H2O2-induced oxidative stress in human neuroblastoma cells. Biotechnology Letters, 2014, 36, 1615-1622.	2.2	21
17	DFT-based quantitative structure–activity relationship studies for antioxidant peptides. Structural Chemistry, 2015, 26, 739-747.	2.0	21
18	A Rapid Surface-Enhanced Raman Scattering (SERS) Method for Pb2+ Detection Using L-Cysteine-Modified Ag-Coated Au Nanoparticles with Core–Shell Nanostructure. Coatings, 2018, 8, 394.	2.6	20

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19	Metal Organic Frame-Upconverting Nanoparticle Assemblies for the FRET Based Sensor Detection of Bisphenol A in High-Salt Foods. Frontiers in Bioengineering and Biotechnology, 2020, 8, 626269.	4.1	18
20	Photocatalytic degradation of imidacloprid by optimized Bi2WO6/NH2-MIL-88B(Fe) composite under visible light. Environmental Science and Pollution Research, 2022, 29, 19583-19593.	5.3	16
21	Aptamer-enhanced fluorescence determination of bisphenol A after magnetic solid-phase extraction using Fe ₃ O ₄ @SiO ₂ @aptamer. Analytical Methods, 2020, 12, 4479-4486.	2.7	15
22	Three-dimensional assembly and disassembly of Fe3O4-decorated porous carbon nanocomposite with enhanced transversal relaxation for magnetic resonance sensing of bisphenol A. Mikrochimica Acta, 2021, 188, 90.	5.0	14
23	In Vitro Anti-Inflammatory Activity of Three Peptides Derived from the Byproduct of Rice Processing. Plant Foods for Human Nutrition, 2022, 77, 172-180.	3.2	12
24	Assembly of USPIO/MOF nanoparticles with high proton relaxation rates for ultrasensitive magnetic resonance sensing. Journal of Materials Chemistry C, 2021, 9, 11915-11923.	5.5	9
25	Peroxidase-mimetic activity of a nanozyme with uniformly dispersed Fe3O4 NPs supported by mesoporous graphitized carbon for determination of glucose. Mikrochimica Acta, 2021, 188, 421.	5.0	9
26	Cation exchange in a fluorescent zinc-based metal–organic framework for cadmium ion detection. CrystEngComm, 2021, 23, 7442-7449.	2.6	8
27	A surface-enhanced Raman scattering active core/shell structure based on enzyme-guided crystal growth for bisphenol A detection. Analytical Methods, 2018, 10, 3878-3883.	2.7	7
28	Target-modulated UCNPs-AChE assembly equipped with microenvironment-responsive immunosensor. Sensors and Actuators B: Chemical, 2022, 352, 131050.	7.8	6
29	NH2-Fe-MILs for effective adsorption and Fenton-like degradation of imidacloprid: Removal performance and mechanism investigation. Environmental Engineering Research, 2022, 27, 200702-0.	2.5	4
30	A novel magnetic metal–organic framework absorbent for rapid detection of aflatoxins B ₁ B ₂ G ₁ G ₂ in rice by HPI C-MS/MS. Analytical Methods.	2.7	4

2022, 14, 2522-2530.