Zhou Xu

List of Publications by Year
in descending order

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30 papers	894 citations	471061 17 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	1027 citing authors

#	Article	IF	Citations
1	NH2-Fe-MILs for effective adsorption and Fenton-like degradation of imidacloprid: Removal performance and mechanism investigation. Environmental Engineering Research, 2022, 27, 200702-0.	1.5	4
2	Photocatalytic degradation of imidacloprid by optimized Bi2WO6/NH2-MIL-88B(Fe) composite under visible light. Environmental Science and Pollution Research, 2022, 29, 19583-19593.	2.7	16
3	Target-modulated UCNPs-AChE assembly equipped with microenvironment-responsive immunosensor. Sensors and Actuators B: Chemical, 2022, 352, 131050.	4.0	6
4	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.	1.8	29
5	In Vitro Anti-Inflammatory Activity of Three Peptides Derived from the Byproduct of Rice Processing. Plant Foods for Human Nutrition, 2022, 77, 172-180.	1.4	12
6	A novel magnetic metalâ€“organic framework absorbent for rapid detection of aflatoxins B₁B₂G₁G₂ in rice by HPLC-MS/MS. Analytical Methods, 2022, 14, 2522-2530.	1.3	4
7	A nanozyme-linked immunosorbent assay based on metalâ€“organic frameworks (MOFs) for sensitive detection of aflatoxin B1. Food Chemistry, 2021, 338, 128039.	4.2	93
8	Microwave-assisted maillard reaction between rice protein and dextran induces structural changes and functional improvements. Journal of Cereal Science, 2021, 97, 103134.	1.8	39
9	Extraction of antioxidant peptides from rice dreg protein hydrolysate via an angling method. Food Chemistry, 2021, 337, 128069.	4.2	53
10	Cation exchange in a fluorescent zinc-based metalâ€“organic framework for cadmium ion detection. CrystEngComm, 2021, 23, 7442-7449.	1.3	8
11	Assembly of USPIO/MOF nanoparticles with high proton relaxation rates for ultrasensitive magnetic resonance sensing. Journal of Materials Chemistry C, 2021, 9, 11915-11923.	2.7	9
12	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.	2.5	14
13	New peptides with immunomodulatory activity identified from rice proteins through peptidomic and in silico analysis. Food Chemistry, 2021, 364, 130357.	4.2	28
14	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.	2.5	9
15	Aptamer-enhanced fluorescence determination of bisphenol A after magnetic solid-phase extraction using Fe₃O₄@SiO₂@aptamer. Analytical Methods, 2020, 12, 4479-4486.	1.3	15
16	Recent Advances in Porphyrin-Based Materials for Metal Ions Detection. International Journal of Molecular Sciences, 2020, 21, 5839.	1.8	58
17	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.	2.0	18
18	Metal-Organic Frameworks of MIL-100(Fe, Cr) and MIL-101(Cr) for Aromatic Amines Adsorption from Aqueous Solutions. Molecules, 2019, 24, 3718.	1.7	33

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19	Purification and identification immunomodulatory peptide from rice protein hydrolysates. Food and Agricultural Immunology, 2019, 30, 150-162.	0.7	35
20	Structure and functional properties of rice proteinâ€“dextran conjugates prepared by the Maillard reaction. International Journal of Food Science and Technology, 2018, 53, 372-380.	1.3	41
21	A Rapid Surface-Enhanced Raman Scattering (SERS) Method for Pb2+ Detection Using L-Cysteine-Modified Ag-Coated Au Nanoparticles with Coreâ€“Shell Nanostructure. Coatings, 2018, 8, 394.	1.2	20
22	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.	1.3	7
23	Study of the detection of bisphenol A based on a nano-sized metalâ€“organic framework crystal and an aptamer. Analytical Methods, 2017, 9, 906-909.	1.3	22
24	Rice protein hydrolysates (RPHs) inhibit the LPS-stimulated inflammatory response and phagocytosis in RAW264.7 macrophages by regulating the NF-Î¹B signaling pathway. RSC Advances, 2016, 6, 71295-71304.	1.7	28
25	DFT-based quantitative structureâ€“activity relationship studies for antioxidant peptides. Structural Chemistry, 2015, 26, 739-747.	1.0	21
26	Protective effects of a wheat germ peptide (RVF) against H2O2-induced oxidative stress in human neuroblastoma cells. Biotechnology Letters, 2014, 36, 1615-1622.	1.1	21
27	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. Advanced Optical Materials, 2013, 1, 626-630.	3.6	60
28	Chirality based sensor for bisphenol A detection. Chemical Communications, 2012, 48, 5760.	2.2	75
29	Facile and rapid magnetic relaxation switch immunosensor for endocrine-disrupting chemicals. Biosensors and Bioelectronics, 2012, 32, 183-187.	5.3	32
30	Preparation and evaluation of superparamagnetic surface molecularly imprinted polymer nanoparticles for selective extraction of bisphenol A in packed food. Analytical Methods, 2011, 3, 1737.	1.3	80