

Zhou Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5328584/publications.pdf>

Version: 2024-02-01

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	A nanozyme-linked immunosorbent assay based on metal-organic frameworks (MOFs) for sensitive detection of aflatoxin B1. <i>Food Chemistry</i> , 2021, 338, 128039.	4.2	93
2	Preparation and evaluation of superparamagnetic surface molecularly imprinted polymer nanoparticles for selective extraction of bisphenol A in packed food. <i>Analytical Methods</i> , 2011, 3, 1737.	1.3	80
3	Chirality based sensor for bisphenol A detection. <i>Chemical Communications</i> , 2012, 48, 5760.	2.2	75
4	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. <i>Advanced Optical Materials</i> , 2013, 1, 626-630.	3.6	60
5	Recent Advances in Porphyrin-Based Materials for Metal Ions Detection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5839.	1.8	58
6	Extraction of antioxidant peptides from rice dreg protein hydrolysate via an angling method. <i>Food Chemistry</i> , 2021, 337, 128069.	4.2	53
7	Structure and functional properties of rice protein-dextran conjugates prepared by the Maillard reaction. <i>International Journal of Food Science and Technology</i> , 2018, 53, 372-380.	1.3	41
8	Microwave-assisted maillard reaction between rice protein and dextran induces structural changes and functional improvements. <i>Journal of Cereal Science</i> , 2021, 97, 103134.	1.8	39
9	Purification and identification immunomodulatory peptide from rice protein hydrolysates. <i>Food and Agricultural Immunology</i> , 2019, 30, 150-162.	0.7	35
10	Metal-Organic Frameworks of MIL-100(Fe, Cr) and MIL-101(Cr) for Aromatic Amines Adsorption from Aqueous Solutions. <i>Molecules</i> , 2019, 24, 3718.	1.7	33
11	Facile and rapid magnetic relaxation switch immunosensor for endocrine-disrupting chemicals. <i>Biosensors and Bioelectronics</i> , 2012, 32, 183-187.	5.3	32
12	Glycosylation of rice protein with dextran via the Maillard reaction in a macromolecular crowding condition to improve solubility. <i>Journal of Cereal Science</i> , 2022, 103, 103374.	1.8	29
13	Rice protein hydrolysates (RPHs) inhibit the LPS-stimulated inflammatory response and phagocytosis in RAW264.7 macrophages by regulating the NF- κ B signaling pathway. <i>RSC Advances</i> , 2016, 6, 71295-71304.	1.7	28
14	New peptides with immunomodulatory activity identified from rice proteins through peptidomic and in silico analysis. <i>Food Chemistry</i> , 2021, 364, 130357.	4.2	28
15	Study of the detection of bisphenol A based on a nano-sized metal-organic framework crystal and an aptamer. <i>Analytical Methods</i> , 2017, 9, 906-909.	1.3	22
16	Protective effects of a wheat germ peptide (RVF) against H ₂ O ₂ -induced oxidative stress in human neuroblastoma cells. <i>Biotechnology Letters</i> , 2014, 36, 1615-1622.	1.1	21
17	DFT-based quantitative structure-activity relationship studies for antioxidant peptides. <i>Structural Chemistry</i> , 2015, 26, 739-747.	1.0	21
18	A Rapid Surface-Enhanced Raman Scattering (SERS) Method for Pb ²⁺ Detection Using L-Cysteine-Modified Ag-Coated Au Nanoparticles with Core-Shell Nanostructure. <i>Coatings</i> , 2018, 8, 394.	1.2	20

#	ARTICLE	IF	CITATIONS
19	Metal Organic Frame-Upconverting Nanoparticle Assemblies for the FRET Based Sensor Detection of Bisphenol A in High-Salt Foods. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 626269.	2.0	18
20	Photocatalytic degradation of imidacloprid by optimized Bi ₂ WO ₆ /NH ₂ -MIL-88B(Fe) composite under visible light. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19583-19593.	2.7	16
21	Aptamer-enhanced fluorescence determination of bisphenol A after magnetic solid-phase extraction using Fe ₃ O ₄ @SiO ₂ @aptamer. <i>Analytical Methods</i> , 2020, 12, 4479-4486.	1.3	15
22	Three-dimensional assembly and disassembly of Fe ₃ O ₄ -decorated porous carbon nanocomposite with enhanced transversal relaxation for magnetic resonance sensing of bisphenol A. <i>Mikrochimica Acta</i> , 2021, 188, 90.	2.5	14
23	In Vitro Anti-Inflammatory Activity of Three Peptides Derived from the Byproduct of Rice Processing. <i>Plant Foods for Human Nutrition</i> , 2022, 77, 172-180.	1.4	12
24	Assembly of USPIO/MOF nanoparticles with high proton relaxation rates for ultrasensitive magnetic resonance sensing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11915-11923.	2.7	9
25	Peroxidase-mimetic activity of a nanozyme with uniformly dispersed Fe ₃ O ₄ NPs supported by mesoporous graphitized carbon for determination of glucose. <i>Mikrochimica Acta</i> , 2021, 188, 421.	2.5	9
26	Cation exchange in a fluorescent zinc-based metal-organic framework for cadmium ion detection. <i>CrystEngComm</i> , 2021, 23, 7442-7449.	1.3	8
27	A surface-enhanced Raman scattering active core/shell structure based on enzyme-guided crystal growth for bisphenol A detection. <i>Analytical Methods</i> , 2018, 10, 3878-3883.	1.3	7
28	Target-modulated UCNP-AChE assembly equipped with microenvironment-responsive immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131050.	4.0	6
29	NH ₂ -Fe-MILs for effective adsorption and Fenton-like degradation of imidacloprid: Removal performance and mechanism investigation. <i>Environmental Engineering Research</i> , 2022, 27, 200702-0.	1.5	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 HPLC-MS/MS. <i>Analytical Methods</i> , 2022, 14, 2522-2530.	1.3	4