

Jin Mao

List of Publications by Year in descending order

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43
papers

2,497
citations

236925

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265206

42
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all docs

44
docs citations

44
times ranked

3430
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of graphitic carbon nitride microstructures on the activity and selectivity of photocatalytic CO ₂ reduction under visible light. <i>Catalysis Science and Technology</i> , 2013, 3, 1253.	4.1	441
2	Recent advances in the photocatalytic CO ₂ reduction over semiconductors. <i>Catalysis Science and Technology</i> , 2013, 3, 2481.	4.1	250
3	A review of chemical composition and nutritional properties of minor vegetable oils in China. <i>Trends in Food Science and Technology</i> , 2018, 74, 26-32.	15.1	161
4	Synthesis of anatase TiO ₂ nanocrystals with {101}, {001} or {010} single facets of 90% level exposure and liquid-phase photocatalytic reduction and oxidation activity orders. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10532.	10.3	147
5	Pt-loading reverses the photocatalytic activity order of anatase TiO ₂ {001} and {010} facets for photoreduction of CO ₂ to CH ₄ . <i>Applied Catalysis B: Environmental</i> , 2014, 144, 855-862.	20.2	138
6	Selective methanol production from photocatalytic reduction of CO ₂ on BiVO ₄ under visible light irradiation. <i>Catalysis Communications</i> , 2012, 28, 38-41.	3.3	127
7	A Structure Identification and Toxicity Assessment of the Degradation Products of Aflatoxin B1 in Peanut Oil under UV Irradiation. <i>Toxins</i> , 2016, 8, 332.	3.4	106
8	Synthesis of fluorinated In ₂ S ₃ decorated with TiO ₂ nanoparticles for efficient photocatalytic hydrogen production under visible light. <i>Journal of Materials Chemistry</i> , 2011, 21, 14587.	6.7	105
9	Visible-Light-Induced Photocatalytic Hydrogen Production over Binuclear Ru ^{II} -Bipyridyl Dye-Sensitized TiO ₂ without Noble Metal Loading. <i>Chemistry - A European Journal</i> , 2012, 18, 12103-12111.	3.3	87
10	Identification of Nutritional Components in Black Sesame Determined by Widely Targeted Metabolomics and Traditional Chinese Medicines. <i>Molecules</i> , 2018, 23, 1180.	3.8	87
11	Simultaneous determination of tocopherols, carotenoids and phytosterols in edible vegetable oil by ultrasound-assisted saponification, LLE and LC-MS/MS. <i>Food Chemistry</i> , 2019, 289, 313-319.	8.2	78
12	Insights into photocatalytic inactivation mechanism of the hypertoxic site in aflatoxin B1 over clew-like WO ₃ decorated with CdS nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 477-486.	20.2	67
13	Opposite photocatalytic activity orders of low-index facets of anatase TiO ₂ for liquid phase dye degradation and gaseous phase CO ₂ photoreduction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15675.	2.8	52
14	Adsorptive removal of aflatoxin B1 from vegetable oils via novel adsorbents derived from a metal-organic framework. <i>Journal of Hazardous Materials</i> , 2021, 412, 125170.	12.4	51
15	Facile fabrication of nanosized graphitic carbon nitride sheets with efficient charge separation for mitigation of toxic pollutant. <i>Chemical Engineering Journal</i> , 2018, 342, 30-40.	12.7	47
16	Control of Aflatoxigenic Molds by Antagonistic Microorganisms: Inhibitory Behaviors, Bioactive Compounds, Related Mechanisms, and Influencing Factors. <i>Toxins</i> , 2020, 12, 24.	3.4	47
17	Synthesis of multicomponent sulfide Ag ₂ ZnSnS ₄ as an efficient photocatalyst for H ₂ production under visible light irradiation. <i>RSC Advances</i> , 2013, 3, 253-258.	3.6	45
18	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ composite with enhanced activity on photocatalytic disinfection of <i>Aspergillus flavus</i> . <i>Chemical Engineering Journal</i> , 2021, 418, 129417.	12.7	40

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19	Photocatalytic degradation of deoxynivalenol over dendritic-like Fe_2O_3 under visible light irradiation. <i>Toxins</i> , 2019, 11, 105.	3.4	39
20	Detection of flaxseed oil multiple adulteration by near-infrared spectroscopy and nonlinear one class partial least squares discriminant analysis. <i>LWT - Food Science and Technology</i> , 2020, 125, 109247.	5.2	39
21	Geometric architecture design of ternary composites based on dispersive WO_3 nanowires for enhanced visible-light-driven activity of refractory pollutant degradation. <i>Chemical Engineering Journal</i> , 2018, 334, 2568-2578.	12.7	34
22	Walnut-like In_2S_3 microspheres: ionic liquid-assisted solvothermal synthesis, characterization and formation mechanism. <i>Nanoscale</i> , 2012, 4, 2372.	5.6	30
23	Palladium Nanoparticles-Based Fluorescence Resonance Energy Transfer Aptasensor for Highly Sensitive Detection of Aflatoxin M1 in Milk. <i>Toxins</i> , 2017, 9, 318.	3.4	29
24	Adulteration detection of essence in sesame oil based on headspace gas chromatography-ion mobility spectrometry. <i>Food Chemistry</i> , 2022, 370, 131373.	8.2	29
25	One-class classification based authentication of peanut oils by fatty acid profiles. <i>RSC Advances</i> , 2015, 5, 85046-85051.	3.6	28
26	Multivariate adulteration detection for sesame oil. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 147-150.	3.5	28
27	Improvement on enhanced Monte-Carlo outlier detection method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 151, 89-94.	3.5	25
28	Multispecies Adulteration Detection of Camellia Oil by Chemical Markers. <i>Molecules</i> , 2018, 23, 241.	3.8	21
29	Targeted multivariate adulteration detection based on fatty acid profiles and Monte Carlo one-class partial least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 169, 94-99.	3.5	18
30	Mass spectrometry in food authentication and origin traceability. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1772-1807.	5.4	16
31	Comparative Metabolomic Analysis of Rapeseeds from Three Countries. <i>Metabolites</i> , 2019, 9, 161.	2.9	15
32	Inhibition of <i>Aspergillus flavus</i> growth and aflatoxins production on peanuts over Fe_2O_3 nanorods under sunlight irradiation. <i>International Journal of Food Microbiology</i> , 2021, 353, 109296.	4.7	12
33	An innovative konjac glucomannan/κ-carrageenan mixed tensile gel. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5067-5074.	3.5	11
34	Efficient Prevention of <i>Aspergillus flavus</i> Spores Spread in Air Using Plasmonic $\text{Ag-AgCl/Fe}_2\text{O}_3$ under Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28021-28032.	8.0	10
35	Rapid authentication of sesame oil using ion mobility spectrometry and chemometrics. <i>Oil Crop Science</i> , 2020, 5, 161-165.	2.0	8
36	Identification and Validation of Metabolic Markers for Adulteration Detection of Edible Oils Using Metabolic Networks. <i>Metabolites</i> , 2020, 10, 85.	2.9	7

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37	An enhanced Monte Carlo outlier detection method. <i>Journal of Computational Chemistry</i> , 2015, 36, 1902-1906.	3.3	5
38	Fullerenol Quantum Dots-Based Highly Sensitive Fluorescence Aptasensor for Patulin in Apple Juice. <i>Toxins</i> , 2022, 14, 272.	3.4	5
39	Superoxide anion and singlet oxygen dominated faster photocatalytic elimination of nitric oxide over defective bismuth molybdates heterojunctions. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 248-258.	9.4	4
40	Contribution of Tocopherols in Commonly Consumed Foods to Estimated Tocopherol Intake in the Chinese Diet. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	3
41	Facile Preparation of Wormlike Graphitic Carbon Nitride for Photocatalytic Degradation of Ustiloxin A. <i>Nanomaterials</i> , 2020, 10, 2256.	4.1	2
42	Ultrasensitive biosensing platform based on luminescence quenching ability of fullerenol quantum dots. <i>RSC Advances</i> , 2021, 11, 19690-19694.	3.6	2
43	Relational variable for more accurate prediction of models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 180, 84-87.	3.5	1