Rui Liu

List of Publications by Year in Descending Order

205 papers	5,119 citations	40 h-index	61 g-index
225 ext. papers	6,586 ext. citations	6.6 avg, IF	6.1 L-index

#	Paper	IF	Citations
205	The underlying mechanism of A-type procyanidins from peanut skin on DSS-induced ulcerative colitis mice by regulating gut microbiota and metabolism.. *Journal of Food Biochemistry*, **2022**, e14103	3.3	1
204	Biomimic Nanozymes with Tunable Peroxidase-like Activity Based on the Confinement Effect of Metal-Organic Frameworks (MOFs) for Biosensing.. *Analytical Chemistry*, **2022**,	7.8	9
203	Peanut skin extract ameliorates high-fat diet-induced atherosclerosis by regulating lipid metabolism, inflammation reaction and gut microbiota in ApoE mice.. *Food Research International*, **2022**, 154, 111014	7	3
202	Laser Surface Melting and Consecutive Point-Mode Forging Hardening of DH36 Marine Steel: Mechanical and Precipitation Behavior. *Coatings*, **2022**, 12, 495	2.9	1
201	NAD-dependent Glsirt1 has a key role on secondary metabolism in Ganoderma lucidum.. *Microbiological Research*, **2022**, 258, 126992	5.3	
200	Effects of A-type oligomer procyanidins on protein glycation using two glycation models coupled with spectroscopy, chromatography, and molecular docking.. *Food Research International*, **2022**, 155, 111068	7	0
199	Transcriptome Analysis Reveals Genes Respond to Chlorophyll Deficiency in Green and Yellow Leaves of Chrysanthemum morifolium Ramat. *Horticulturae*, **2022**, 8, 14	2.5	0
198	Metabolomics reveals that phenolamides are the main chemical components contributing to the anti-tyrosinase activity of bee pollen.. *Food Chemistry*, **2022**, 389, 133071	8.5	0
197	Evaluating the Nutritional Properties of Food: A Scoping Review. *Nutrients*, **2022**, 14, 2352	6.7	
196	Bioactive cytochalasans from the fungus Arthrinium arundinis DJ-13. *Phytochemistry*, **2021**, 194, 113009	4	2
195	Chlorogenic acid: Potential source of natural drugs for the therapeutics of fibrosis and cancer. *Translational Oncology*, **2021**, 15, 101294	4.9	5
194	Widely targeted metabolomics analysis reveals the effect of fermentation on the chemical composition of bee pollen.. *Food Chemistry*, **2021**, 375, 131908	8.5	2
193	Procyanidin A and its digestive products prevent acrylamide-induced intestinal barrier dysfunction the MAPK-mediated MLCK pathway. *Food and Function*, **2021**, 12, 11956-11965	6.1	1
192	Potential Oscillated Electrochemical Metal Recovery System with Improved Conversion Kinetics and High Levelized Quality. *Environmental Science & Technology*, **2021**, 55, 15380-15389	10.3	2
191	Reduction of Ionic Silver by Sulfur Dioxide as a Source of Silver Nanoparticles in the Environment. *Environmental Science & Technology*, **2021**, 55, 5569-5578	10.3	6
190	HCl-Tolerant HPO/RuO-CeO Catalysts for Extremely Efficient Catalytic Elimination of Chlorinated VOCs. *Environmental Science & Technology*, **2021**, 55, 4007-4016	10.3	39
189	The Binding Strength of Reactive H*: A Neglected Key Factor in Rh-Catalyzed Environmental Hydrodefluorination Reaction. *ACS ES&T Engineering*, **2021**, 1, 1036-1045		1

188	Gluconeogenic enzyme PCK1 deficiency promotes CHK2 O-GlcNAcylation and hepatocellular carcinoma growth upon glucose deprivation. *Journal of Clinical Investigation*, **2021**, 131,	15.9	12
187	Neoisoliquiritin exerts tumor suppressive effects on prostate cancer by repressing androgen receptor activity. *Phytomedicine*, **2021**, 85, 153514	6.5	1
186	In Situ Growth Large Area Silver Nanostructure on Metal Phenolic Network Coated NAAO Film and Its SERS Sensing Application for Monofluoroacetic Acid. *ACS Sensors*, **2021**, 6, 2129-2135	9.2	1
185	Carboxymethylation of polysaccharide isolated from Alkaline Peroxide Mechanical Pulping (APMP) waste liquor and its bioactivity. *International Journal of Biological Macromolecules*, **2021**, 181, 211-220	7.9	5
184	Potential Hydrothermal-Humification of Vegetable Wastes by Steam Explosion and Structural Characteristics of Humified Fractions. *Molecules*, **2021**, 26,	4.8	1
183	Bioactive sesterterpenoids from the fungus Penicillium roqueforti YJ-14. *Phytochemistry*, **2021**, 187, 112762	4	6
182	Structural characterization, □amylase and □glucosidase inhibitory activities of polysaccharides from wheat bran. *Food Chemistry*, **2021**, 341, 128218	8.5	22
181	Protective effect of procyanidin A-type dimers against HO-induced oxidative stress in prostate DU145 cells through the MAPKs signaling pathway. *Life Sciences*, **2021**, 266, 118908	6.8	2
180	Novel computer-assisted separation prediction strategy for online-enrichment-HPLC-FLD in simultaneous monitoring of bisphenols in children□s water bottles. *Food Chemistry*, **2021**, 339, 127766	8.5	3
179	Single nanoparticle analysis for homogeneous immunoassay of CA19-9 for serological evaluation. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 279-284	3.7	2
178	Synthesis and Characterization of SrFeO2.73/Bi2MoO6 Heterojunction with Enhanced Photocatalytic Activity. *Catalysis Letters*, **2021**, 151, 2176	2.8	1
177	Photoresponsive Bridged Polysilsesquioxanes for Protein Immobilization/Controlled Release and Micropatterns. *ACS Applied Materials & Interfaces*, **2021**, 13, 36370-36379	9.5	0
176	Mixing Oil-Based Microencapsulation of Garlic Essential Oil: Impact of Incorporating Three Commercial Vegetable Oils on the Stability of Emulsions. *Foods*, **2021**, 10,	4.9	2
175	Regulator of Chromosome Condensation 1-Domain Protein DEK47 Functions on the Intron Splicing of Mitochondrial and Seed Development in Maize. *Frontiers in Plant Science*, **2021**, 12, 695249	6.2	1
174	Integration of [12]aneN3 and Acenaphtho[1,2-b]quinoxaline as non-viral gene vectors with two-photon property for enhanced DNA/siRNA delivery and bioimaging. *Bioorganic Chemistry*, **2021**, 113, 104983	5.1	1
173	Multiplex Nucleic Acid Assay of SARS-CoV-2 via a Lanthanide Nanoparticle-Tagging Strategy. *Analytical Chemistry*, **2021**, 93, 12714-12722	7.8	3
172	Metabolomic profiles of A-type procyanidin dimer and trimer with gut microbiota in vitro. *Journal of Functional Foods*, **2021**, 85, 104637	5.1	4
171	Lanthanide Nanoprobes for the Multiplex Evaluation of Breast Cancer Biomarkers. *Analytical Chemistry*, **2021**, 93, 13719-13726	7.8	4

170	Comprehensive analysis of the anti-glycation effect of peanut skin extract. *Food Chemistry*, **2021**, 362, 130169	8.5	7
169	Brassinosteroid homeostasis is critical for the functionality of the Medicago truncatula pulvinus. *Plant Physiology*, **2021**, 185, 1745-1763	6.6	2
168	Anionic oxoborane and thioxoborane molecules supported by a 1,2-bis(imino)acenaphthene ligand. *Dalton Transactions*, **2021**, 50, 6797-6801	4.3	2
167	Novel Strategy for Engineering the Metal-Oxide@MOF Core@Shell Architecture and Its Applications in Cataluminescence Sensing. *ACS Applied Materials & Interfaces*, **2021**, 13, 3471-3480	9.5	20
166	Induction of the glycolysis product methylglyoxal on trimethylamine lyase synthesis in the intestinal microbiota from mice fed with choline and dietary fiber. *Food and Function*, **2021**, 12, 9880-9893	6.1	0
165	Multimodal Imaging Iridium(III) Complex for Hypochlorous Acid in Living Systems. *Analytical Chemistry*, **2020**, 92, 8285-8291	7.8	17
164	The DYW-subgroup pentatricopeptide repeat protein PPR27 interacts with ZmMORF1 to facilitate mitochondrial RNA editing and seed development in maize. *Journal of Experimental Botany*, **2020**, 71, 5495-5505	7	8
163	The Mitochondrial Pentatricopeptide Repeat Protein PPR18 Is Required for the -Splicing of Intron 1 and Essential to Seed Development in Maize. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
162	Separation and Characterization of Phenolamines and Flavonoids from Rape Bee Pollen, and Comparison of Their Antioxidant Activities and Protective Effects Against Oxidative Stress. *Molecules*, **2020**, 25,	4.8	16
161	The Sensory Quality Improvement of Citrus Wine through Co-Fermentations with Selected Non-Yeast Strains and. *Microorganisms*, **2020**, 8,	4.9	7
160	Mass Spectrometric Assay of Alpha-Fetoprotein Isoforms for Accurate Serological Evaluation. *Analytical Chemistry*, **2020**, 92, 4807-4813	7.8	16
159	Self-Validated Homogeneous Immunoassay by Single Nanoparticle in-Depth Scrutinization. *Analytical Chemistry*, **2020**, 92, 2876-2881	7.8	12
158	Starch digestion in intact pulse cotyledon cells depends on the extent of thermal treatment. *Food Chemistry*, **2020**, 315, 126268	8.5	21
157	Roquefornine A, a sesterterpenoid with a 5/6/5/5/6-fused ring system from the fungus Penicillium roqueforti YJ-14. *Organic Chemistry Frontiers*, **2020**, 7, 1463-1468	5.2	9
156	C-ring cleavage metabolites of catechin and epicatechin enhanced antioxidant activities through intestinal microbiota. *Food Research International*, **2020**, 135, 109271	7	23
155	Tag-Free Methodology for Ultrasensitive Biosensing of miRNA Based on Intrinsic Isotope Detection. *Analytical Chemistry*, **2020**, 92, 8523-8529	7.8	9
154	Missing Data Recovery for Human Mocap Data Based on A-LSTM and LS Constraint **2020**,		2
153	Capsanthin extract prevents obesity, reduces serum TMAO levels and modulates the gut microbiota composition in high-fat-diet induced obese C57BL/6J mice. *Food Research International*, **2020**, 128, 108774	7	24

152	Graphene Oxide Promotes Cancer Metastasis through Associating with Plasma Membrane To Promote TGF-Signaling-Dependent Epithelial-Mesenchymal Transition. *ACS Nano*, **2020**, 14, 818-827	16.7	21
151	Graphene Oxide Causes Disordered Zonation Due to Differential Intralobular Localization in the Liver. *ACS Nano*, **2020**, 14, 877-890	16.7	12
150	Potential correlation between carbohydrate-active enzyme family 48 expressed by gut microbiota and the expression of intestinal epithelial AMP-activated protein kinase *Journal of Food Biochemistry*, **2020**, 44, e13123	3.3	2
149	Ligand-Sharing-Mediated Synthesis of Intermetallic FeM Clusters Embedded in Ultrathin Fe2O3 Nanosheets. *Advanced Functional Materials*, **2020**, 30, 1906995	15.6	0
148	Interaction mechanism between glucosidase and A-type trimer procyanidin revealed by integrated spectroscopic analysis techniques. *International Journal of Biological Macromolecules*, **2020**, 143, 173-180	7.9	9
147	Simultaneous monitoring of polarity changes of lipid droplets and lysosomes with two-photon fluorescent probes. *Analytica Chimica Acta*, **2020**, 1136, 34-41	6.6	13
146	Mechanistic insight into the electrocatalytic hydrodechlorination reaction on palladium by a facet effect study. *Journal of Catalysis*, **2020**, 391, 414-423	7.3	19
145	Comparison of the inhibitory effects of procyanidins with different structures and their digestion products against acrylamide-induced cytotoxicity in IPEC-J2 cells. *Journal of Functional Foods*, **2020**, 72, 104073	5.1	3
144	Homogeneous Multiplex Immunoassay for One-Step Pancreatic Cancer Biomarker Evaluation. *Analytical Chemistry*, **2020**, 92, 16105-16112	7.8	17
143	Surface-Enhanced Raman Spectroscopic Evidence on the Origin of Selectivity in CO Electrocatalytic Reduction. *ACS Nano*, **2020**, 14, 11363-11372	16.7	47
142	Fused behavior recognition model based on attention mechanism. *Visual Computing for Industry, Biomedicine, and Art*, **2020**, 3, 7	2.9	6
141	Down-regulation of SETD6 protects podocyte against high glucose and palmitic acid-induced apoptosis, and mitochondrial dysfunction via activating Nrf2-Keap1 signaling pathway in diabetic nephropathy. *Journal of Molecular Histology*, **2020**, 51, 549-558	3.3	9
140	Zinc in Wheat Grain, Processing, and Food. *Frontiers in Nutrition*, **2020**, 7, 124	6.2	16
139	EMT Conversion of Composite Broadband Absorbent Metamaterials for Stealth Application Over X-Bands. *IEEE Access*, **2020**, 8, 153787-153798	3.5	1
138	Genome-Wide Identification and Analysis on YUCCA Gene Family in Fort. and Functional Exploration. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
137	Structural Properties of Homogeneous Polysaccharide Fraction Released from Wheat Germ by Hydrothermal Treatment. *Carbohydrate Polymers*, **2020**, 240, 116238	10.3	7
136	A strategy for identifying species-specific peptide biomarkers in deer-hide gelatin using untargeted and targeted mass spectrometry approaches. *Analytica Chimica Acta*, **2019**, 1092, 32-41	6.6	15
135	Modulating near-infrared persistent luminescence of core-shell nanoplatform for imaging of glutathione in tumor mouse model. *Biosensors and Bioelectronics*, **2019**, 144, 111671	11.8	15

134	Discovery of Food-Derived Dipeptidyl Peptidase IV Inhibitory Peptides: A Review. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	49
133	Influence of Konjac Glucomannan and Frozen Storage on Rheological and Tensile Properties of Frozen Dough. *Polymers*, **2019**, 11,	4.5	7
132	Label-Free Nuclease Assay with Long-Term Stability. *Analytical Chemistry*, **2019**, 91, 8691-8696	7.8	11
131	Effects of Lactobacillus plantarum NJAU-01 on the protein oxidation of fermented sausage. *Food Chemistry*, **2019**, 295, 361-367	8.5	13
130	Effect of Degree of Konjac Glucomannan Enzymatic Hydrolysis on the Physicochemical Characteristic of Gluten and Dough. *ACS Omega*, **2019**, 4, 9654-9663	3.9	9
129	Comparison of the peptidome released from keratins in Saiga antelope horn and goat horn under simulated gastrointestinal digestion. *Electrophoresis*, **2019**, 40, 2759-2766	3.6	1
128	Chlorogenic acid prevents paraquat-induced apoptosis via Sirt1-mediated regulation of redox and mitochondrial function. *Free Radical Research*, **2019**, 53, 680-693	4	15
127	Synergistic inhibitory effects of procyanidin B and catechin on acrylamide in food matrix. *Food Chemistry*, **2019**, 296, 94-99	8.5	6
126	Comparative proteomic analysis of plasma of children with congenital heart disease. *Electrophoresis* , **2019**, 40, 1848-1854	3.6	2
125	Fast response near-infrared fluorescent probe for hydrogen sulfide in natural waters. *Talanta*, **2019** , 202, 159-164	6.2	20
124	Identification of piRNAs and piRNA clusters in the testes of the Mongolian horse. *Scientific Reports*, **2019**, 9, 5022	4.9	4
123	Steam explosion modification on tea waste to enhance bioactive compoundsPextractability and antioxidant capacity of extracts. *Journal of Food Engineering*, **2019**, 261, 51-59	6	21
122	Isotopic core-satellites enable accurate and sensitive bioassay of adenosine triphosphate. *Chemical Communications*, **2019**, 55, 10665-10668	5.8	5
121	Lycopene, amaranth, and sorghum red pigments counteract obesity and modulate the gut microbiota in high-fat diet fed C57BL/6 mice. *Journal of Functional Foods*, **2019**, 60, 103437	5.1	11
120	Label-Free CRISPR/Cas9 Assay for Site-Specific Nucleic Acid Detection. *Analytical Chemistry*, **2019**, 91, 10870-10878	7.8	13
119	Altered short chain fatty acid profiles induced by dietary fiber intervention regulate AMPK levels and intestinal homeostasis. *Food and Function*, **2019**, 10, 7174-7187	6.1	24
118	Potential Correlation between Dietary Fiber-Suppressed Microbial Conversion of Choline to Trimethylamine and Formation of Methylglyoxal. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 13247-13257	5.7	9
117	Combination of [12]aneN and Triphenylamine-Benzylideneimidazolone as Nonviral Gene Vectors with Two-Photon and AIE Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 42975-42987	9.5	17

116	FPGA Implementation of SAR Imaging Processing System **2019**,		1
115	Raspberry-Like Mesoporous ZnGaSiO:Cr Nanocarriers for Enhanced Near-Infrared Afterglow Imaging and Combined Cancer Chemotherapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 44978-44988	9.5	16
114	Combination of honey with metformin enhances glucose metabolism and ameliorates hepatic and nephritic dysfunction in STZ-induced diabetic mice. *Food and Function*, **2019**, 10, 7576-7587	6.1	6
113	Silver Nanoparticles Compromise Female Embryonic Stem Cell Differentiation through Disturbing X Chromosome Inactivation. *ACS Nano*, **2019**, 13, 2050-2061	16.7	8
112	A smartphone-based ratiometric fluorescent device for field analysis of soluble copper in river water using carbon quantum dots as luminophore. *Talanta*, **2019**, 194, 452-460	6.2	13
111	Procyanidin from peanut skin induces antiproliferative effect in human prostate carcinoma cells DU145. *Chemico-Biological Interactions*, **2018**, 288, 12-23	5	14
110	Effects of ultrasonic assisted cooking on the chemical profiles of taste and flavor of spiced beef. *Ultrasonics Sonochemistry*, **2018**, 46, 36-45	8.9	68
109	Microparticulated whey protein-pectin complex: A texture-controllable gel for low-fat mayonnaise. *Food Research International*, **2018**, 108, 151-160	7	36
108	Fabricating soy protein hydrolysate/xanthan gum as fat replacer in ice cream by combined enzymatic and heat-shearing treatment. *Food Hydrocolloids*, **2018**, 81, 39-47	10.6	34
107	Structural Variation and Microrheological Properties of a Homogeneous Polysaccharide from Wheat Germ. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 2977-2987	5.7	22
106	Biochemical properties, antibacterial and cellular antioxidant activities of buckwheat honey in comparison to manuka honey. *Food Chemistry*, **2018**, 252, 243-249	8.5	81
105	Raspberry anthocyanin consumption prevents diet-induced obesity by alleviating oxidative stress and modulating hepatic lipid metabolism. *Food and Function*, **2018**, 9, 2112-2120	6.1	33
104	Impact of oligomeric procyanidins on wheat gluten microstructure and physicochemical properties. *Food Chemistry*, **2018**, 260, 37-43	8.5	27
103	Au@Pd Bimetallic Nanocatalyst for Carbon-Halogen Bond Cleavage: An Old Story with New Insight into How the Activity of Pd is Influenced by Au. *Environmental Science & Technology*, **2018**, 52, 4244-4255	10.3	33
102	A comparative study on the adsorption and desorption characteristics of flavonoids from honey by six resins. *Food Chemistry*, **2018**, 268, 424-430	8.5	18
101	Defect Sites in Ultrathin Pd Nanowires Facilitate the Highly Efficient Electrochemical Hydrodechlorination of Pollutants by H*. *Environmental Science & Technology*, **2018**, 52, 9992-10002	10.3	63
100	Effect of microparticulation and xanthan gum on the stability and lipid digestion of oil-in-water emulsions stabilized by whey protein. *Food and Function*, **2018**, 9, 4683-4694	6.1	6
99	The pentatricopeptide repeat protein EMPTY PERICARP8 is required for the splicing of three mitochondrial introns and seed development in maize. *Plant Journal*, **2018**, 95, 919	6.9	28

98	Selection of non- yeasts for orange wine fermentation based on their enological traits and volatile compounds formation. *Journal of Food Science and Technology*, **2018**, 55, 4001-4012	3.3	10
97	Oolong tea polysaccharide and polyphenols prevent obesity development in Sprague-Dawley rats. *Food and Nutrition Research*, **2018**, 62,	3.1	10
96	Self-assembly of supramolecular nanotubes/microtubes from 3,5-dimethyl-4-iodopyrazole for plasmonic nanoparticle organization. *Nanoscale*, **2018**, 10, 20804-20812	7.7	4
95	Optimization of the Production of Microparticulated Egg White Proteins as Fat Mimetic in Salad Dressings Using Uniform Design. *Food Science and Technology Research*, **2018**, 24, 817-827	0.8	6
94	Effect of Extrusion, Steam Explosion and Enzymatic Hydrolysis on Functional Properties of Wheat Bran. *Food Science and Technology Research*, **2018**, 24, 591-598	0.8	5
93	Poly(thymine)-CuNPs: Bimodal Methodology for Accurate and Selective Detection of TNT at Sub-PPT Levels. *Analytical Chemistry*, **2018**, 90, 14469-14474	7.8	27
92	Effects of Extrusion on Physicochemical Properties of Oat Polysaccharides and Its Improvement in Flour Dough Extensibility and Gumminess. *Food Science and Technology Research*, **2018**, 24, 145-150	0.8	
91	Effects of incorporation of black garlic on rheological, textural and sensory properties of rye (Secale cereale L.) flour noodles. *CYTA - Journal of Food*, **2018**, 16, 1102-1108	2.3	1
90	Beneficial Effects of Poplar Buds on Hyperglycemia, Dyslipidemia, Oxidative Stress, and Inflammation in Streptozotocin-Induced Type-2 Diabetes. *Journal of Immunology Research*, **2018**, 2018, 7245956	4.5	14
89	Further evidence for sustainable alternatives to replace threatened animal horn based on quantitative proteomic analysis. *Electrophoresis*, **2018**, 39, 3185-3190	3.6	2
88	Edible Gum-Phenolic-Lipid Incorporated Gluten Films for Food Packaging. *Journal of Food Science*, **2018**, 83, 1622-1630	3.4	9
87	Interaction between sorghum procyanidin tetramers and the catalytic region of glucosyltransferases-I from Streptococcus mutans UA159. *Food Research International*, **2018**, 112, 152-159	7	5
86	Effect of wheat bran modification by steam explosion on structural characteristics and rheological properties of wheat flour dough. *Food Hydrocolloids*, **2018**, 84, 571-580	10.6	40
85	Study on interaction between human salivary α-amylase and sorghum procyanidin tetramer: Binding characteristics and structural analysis. *International Journal of Biological Macromolecules*, **2018**, 118, 1136-1141	7.9	12
84	Nanoscale zero-valent iron in mesoporous carbon (nZVI@C): stable nanoparticles for metal extraction and catalysis. *Journal of Materials Chemistry A*, **2017**, 5, 4478-4485	13	46
83	Interactions between soluble dietary fibers and wheat gluten in dough studied by confocal laser scanning microscopy. *Food Research International*, **2017**, 95, 19-27	7	29
82	Applications of high pressure to pre-rigor rabbit muscles affect the functional properties associated with heat-induced gelation. *Meat Science*, **2017**, 129, 176-184	6.4	23
81	Identification of Al on the Colloid Surface Using Surface-Enhanced Raman Spectroscopy. *Environmental Science & Technology*, **2017**, 51, 2899-2906	10.3	10

80	Investigating the chemical constituent and the suppressive effects of alliin hydrolysate on E.coli. *Natural Product Research*, **2017**, 31, 2814-2817	2.3	2
79	The transcription factor MYB115 contributes to the regulation of proanthocyanidin biosynthesis and enhances fungal resistance in poplar. *New Phytologist*, **2017**, 215, 351-367	9.8	52
78	Atomic-Level-Designed Catalytically Active Palladium Atoms on Ultrathin Gold Nanowires. *Advanced Materials*, **2017**, 29, 1604571	24	41
77	Use of Polycrystalline Ice for Assembly of Large Area Au Nanoparticle Superstructures as SERS Substrates. *ACS Applied Materials & Interfaces*, **2017**, 9, 513-520	9.5	16
76	Aggregation and rheological behavior of soluble dietary fibers from wheat bran. *Food Research International*, **2017**, 102, 291-302	7	20
75	What is meat in China?. *Animal Frontiers*, **2017**, 7, 53-56	5.5	13
74	Soluble Dietary Fiber Reduces Trimethylamine Metabolism via Gut Microbiota and Co-Regulates Host AMPK Pathways. *Molecular Nutrition and Food Research*, **2017**, 61, 1700473	5.9	31
73	Using soy protein SiOx nanocomposite film coating to extend the shelf life of apple fruit. *International Journal of Food Science and Technology*, **2017**, 52, 2018-2030	3.8	30
72	Anthocyanins in black rice, soybean and purple corn increase fecal butyric acid and prevent liver inflammation in high fat diet-induced obese mice. *Food and Function*, **2017**, 8, 3178-3186	6.1	35
71	PtoMYB170 positively regulates lignin deposition during wood formation in poplar and confers drought tolerance in transgenic Arabidopsis. *Tree Physiology*, **2017**, 37, 1713-1726	4.2	60
70	Turn-on Fluorescent Probe for Exogenous and Endogenous Imaging of Hypochlorous Acid in Living Cells and Quantitative Application in Flow Cytometry. *Analytical Chemistry*, **2017**, 89, 9544-9551	7.8	56
69	Label-Free DNA Assay by Metal Stable Isotope Detection. *Analytical Chemistry*, **2017**, 89, 13269-13274	7.8	34
68	Polyvinylidene Fluoride Micropore Membranes as Solid-Phase Extraction Disk for Preconcentration of Nanoparticulate Silver in Environmental Waters. *Environmental Science & Technology*, **2017**, 51, 13816-13824	10.3	11
67	The fabrication of Cu nanowire/graphene/Al doped ZnO transparent conductive film on PET substrate with high flexibility and air stability. *Materials Letters*, **2017**, 207, 62-65	3.3	19
66	Effects of oligomeric procyanidins on the retrogradation properties of maize starch with different amylose/amylopectin ratios. *Food Chemistry*, **2017**, 221, 2010-2017	8.5	48
65	Succinylated Soy Protein Film Coating Extended the Shelf Life of Apple Fruit. *Journal of Food Processing and Preservation*, **2017**, 41, e13024	2.1	9
64	Highly active TiO2/g-C3N4/G photocatalyst with extended spectral response towards selective reduction of nitrobenzene. *Applied Catalysis B: Environmental*, **2017**, 203, 1-8	21.8	146
63	Identification of Antioxidants in Aged Garlic Extract by Gas Chromatography-Mass Spectrometry and Liquid Chromatography-Mass Spectrometry. *International Journal of Food Properties*, **2016**, 19, 474-483	3	5

62	Soluble Dietary Fiber Fractions in Wheat Bran and Their Interactions with Wheat Gluten Have Impacts on Dough Properties. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 8735-8744	5.7	36
61	A high density genetic map and QTL for agronomic and yield traits in Foxtail millet [Setaria italica (L.) P. Beauv]. *BMC Genomics*, **2016**, 17, 336	4.5	45
60	Low temperature synthesized ultrathin Fe2O3 nanosheets show similar adsorption behaviour for As(III) and As(V). *Journal of Materials Chemistry A*, **2016**, 4, 7606-7614	13	44
59	Further characterization of cellulose nanocrystal (CNC) preparation from sulfuric acid hydrolysis of cotton fibers. *Cellulose*, **2016**, 23, 439-450	5.5	67
58	Hydrothermal synthesis of N-doped TiO 2 nanowires and N-doped graphene heterostructures with enhanced photocatalytic properties. *Journal of Alloys and Compounds*, **2016**, 656, 24-32	5.7	116
57	Combined Superfine Grinding and Heat-Shearing Treatment for the Microparticulation of Whey Proteins. *Food and Bioprocess Technology*, **2016**, 9, 378-386	5.1	14
56	Urban Expansion and Agricultural Land Loss in China: A Multiscale Perspective. *Sustainability*, **2016**, 8, 790	3.6	60
55	Surface Water Mapping from Suomi NPP-VIIRS Imagery at 30 m Resolution via Blending with Landsat Data. *Remote Sensing*, **2016**, 8, 631	5	24
54	Overexpression of Poplar PtrWRKY89 in Transgenic Arabidopsis Leads to a Reduction of Disease Resistance by Regulating Defense-Related Genes in Salicylate- and Jasmonate-Dependent Signaling. *PLoS ONE*, **2016**, 11, e0149137	3.7	23
53	Physicochemical and Antioxidative Properties of Superfine-ground Oat Bran Polysaccharides. *Food Science and Technology Research*, **2016**, 22, 101-109	0.8	4
52	Reduction of particle size based on superfine grinding: Effects on structure, rheological and gelling properties of whey protein concentrate. *Journal of Food Engineering*, **2016**, 186, 69-76	6	29
51	Black tea polyphenols and polysaccharides improve body composition, increase fecal fatty acid, and regulate fat metabolism in high-fat diet-induced obese rats. *Food and Function*, **2016**, 7, 2469-78	6.1	45
50	Tracking the Fate of Surface Plasmon Resonance-Generated Hot Electrons by In Situ SERS Surveying of Catalyzed Reaction. *Small*, **2016**, 12, 6378-6387	11	14
49	Fabrication of highly-specific SERS substrates by co-precipitation of functional nanomaterials during the self-sedimentation of silver nanowires into a nanoporous film. *Chemical Communications* , **2015**, 51, 1309-12	5.8	22
48	Comparative studies on physicochemical properties of raw and hydrolyzed oat glucan and their application in low-fat meatballs. *Food Hydrocolloids*, **2015**, 51, 424-431	10.6	26
47	Effects of ultrafine grinding and cellulase hydrolysis treatment on physicochemical and rheological properties of oat (Avena nuda L.) glucans. *Journal of Cereal Science*, **2015**, 65, 125-131	3.8	20
46	Effects of superfine grinding and microparticulation on the surface hydrophobicity of whey protein concentrate and its relation to emulsions stability. *Food Hydrocolloids*, **2015**, 51, 512-518	10.6	72
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