

# Xin Yang

## List of Publications by Year in descending order

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72  
papers

2,361  
citations

185998

28  
h-index

223531

46  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2721  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in characterisation and biological activities of chitosan and chitosan oligosaccharides. Food Chemistry, 2016, 190, 1174-1181.	4.2	360
2	Isolation, purification, structure and antioxidant activity of polysaccharide from pinecones of Pinus koraiensis. Carbohydrate Polymers, 2021, 251, 117078.	5.1	116
3	Conducting polymers in environmental analysis. TrAC - Trends in Analytical Chemistry, 2012, 39, 163-179.	5.8	105
4	Determination of free amino acids and 18 elements in freeze-dried strawberry and blueberry fruit using an Amino Acid Analyzer and ICP-MS with micro-wave digestion. Food Chemistry, 2014, 147, 189-194.	4.2	81
5	Chemical Composition and Antioxidant Activities of Three Polysaccharide Fractions from Pine Cones. International Journal of Molecular Sciences, 2012, 13, 14262-14277.	1.8	72
6	Competitive fluorescence assay for specific recognition of atrazine by magnetic molecularly imprinted polymer based on Fe <sub>3</sub> O <sub>4</sub> -chitosan. Carbohydrate Polymers, 2016, 137, 75-81.	5.1	63
7	Recent advances in metal-organic frameworks/membranes for adsorption and removal of metal ions. TrAC - Trends in Analytical Chemistry, 2021, 137, 116226.	5.8	61
8	In Vitro Antioxidant Activities of Sulfated Derivatives of Polysaccharides Extracted from Auricularia auricular. International Journal of Molecular Sciences, 2011, 12, 3288-3302.	1.8	60
9	Self-assembled small molecule natural product gel for drug delivery: a breakthrough in new application of small molecule natural products. Acta Pharmaceutica Sinica B, 2020, 10, 913-927.	5.7	57
10	Selective recognition and fast enrichment of anthocyanins by dummy molecularly imprinted magnetic nanoparticles. Journal of Chromatography A, 2018, 1572, 9-19.	1.8	55
11	Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles. Theranostics, 2019, 9, 6991-7002.	4.6	54
12	Exploration of the Natural Active Small-Molecule Drug-Loading Process and Highly Efficient Synergistic Antitumor Efficacy. ACS Applied Materials & Interfaces, 2020, 12, 6827-6839.	4.0	51
13	Strategy of Fusion Covalent Organic Frameworks and Molecularly Imprinted Polymers: A Surprising Effect in Recognition and Loading of Cyanidin-3-O-glucoside. ACS Applied Materials & Interfaces, 2020, 12, 8751-8760.	4.0	51
14	Characterization and Bioactivity of Polysaccharides Obtained from Pine Cones of Pinus koraiensis by Graded Ethanol Precipitation. Molecules, 2013, 18, 9933-9948.	1.7	46
15	Milk fat chemical composition of yak breeds in China. Journal of Food Composition and Analysis, 2011, 24, 223-230.	1.9	45
16	Mussel-inspired triple bionic adsorbent: Facile preparation of layered double hydroxide@polydopamine@metal-polyphenol networks and their selective adsorption of dyes in single and binary systems. Journal of Hazardous Materials, 2021, 420, 126609.	6.5	42
17	Preparation of a magnetic molecularly imprinted polymer using g-C <sub>3</sub> N <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> for atrazine adsorption. Materials Letters, 2015, 160, 472-475.	1.3	41
18	Spectrophotometric and visual detection of the herbicide atrazine by exploiting hydrogen bond-induced aggregation of melamine-modified gold nanoparticles. Mikrochimica Acta, 2015, 182, 1983-1989.	2.5	40

#	ARTICLE	IF	CITATIONS
19	Single small molecule-assembled nanoparticles mediate efficient oral drug delivery. <i>Nano Research</i> , 2019, 12, 2468-2476.	5.8	36
20	Protective Effect of Anthocyanin from <i>Lonicera Caerulea</i> var. <i>Edulis</i> on Radiation-Induced Damage in Mice. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11773-11782.	1.8	35
21	Chitosan oligosaccharides with degree of polymerization 2 <sup>n</sup> induces apoptosis in human colon carcinoma HCT116 cells. <i>Chemico-Biological Interactions</i> , 2018, 279, 129-135.	1.7	35
22	Simple and Multifunctional Natural Self-Assembled Sterols with Anticancer Activity-Mediated Supramolecular Photosensitizers for Enhanced Antitumor Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29498-29511.	4.0	35
23	Chitosan Oligosaccharides Induce Apoptosis in Human Renal Carcinoma via Reactive-Oxygen-Species-Dependent Endoplasmic Reticulum Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1691-1701.	2.4	35
24	Natural product gelators and a general method for obtaining them from organisms. <i>Nanoscale</i> , 2018, 10, 3639-3643.	2.8	34
25	Screening of probiotic lactobacilli for inhibition of <i>Shigella sonnei</i> and the macromolecules involved in inhibition. <i>Anaerobe</i> , 2012, 18, 498-503.	1.0	33
26	A facile molecularly imprinted electrochemical sensor based on graphene: application to the selective determination of thiamethoxam in grain. <i>RSC Advances</i> , 2017, 7, 38884-38894.	1.7	32
27	Nanomedicine-Cum-Carrier by Co-Assembly of Natural Small Products for Synergistic Enhanced Antitumor with Tissues Protective Actions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42537-42550.	4.0	31
28	Colorimetric sensing of atrazine in rice samples using cysteamine functionalized gold nanoparticles after solid phase extraction. <i>Analytical Methods</i> , 2016, 8, 52-56.	1.3	30
29	Application of $\beta$ -cyclodextrin <sup>2</sup> -reduced graphene oxide nanosheets for enhanced electrochemical sensing of the nitenpyram residue in real samples. <i>New Journal of Chemistry</i> , 2017, 41, 2169-2177.	1.4	30
30	Synthesis of magnetic covalent organic framework molecularly imprinted polymers at room temperature: A novel imprinted strategy for thermo-sensitive substance. <i>Talanta</i> , 2021, 225, 121958.	2.9	29
31	Fast and selective recognizes polysaccharide by surface molecularly imprinted film coated onto aldehyde-modified magnetic nanoparticles. <i>Analyst</i> , The, 2013, 138, 6653.	1.7	28
32	Simultaneous determination of 118 pesticide residues in Chinese teas by gas chromatography-mass spectrometry. <i>Chemical Papers</i> , 2009, 63, .	1.0	26
33	Antitumor Effects of Orally and Intraperitoneally Administered Chitosan Oligosaccharides (COSs) on S180 <sup>Bearing</sup> /Residual Mouse. <i>Journal of Food Science</i> , 2016, 81, H3035-H3042.	1.5	26
34	Structural characterization and antitumor effects of chitosan oligosaccharides against orthotopic liver tumor via NF- $\kappa$ B signaling pathway. <i>Journal of Functional Foods</i> , 2019, 57, 157-165.	1.6	26
35	Simultaneous Determination of 69 Pesticide Residues in Coffee by Gas Chromatography <sup>2</sup> -Mass Spectrometry. <i>Food Analytical Methods</i> , 2011, 4, 186-195.	1.3	25
36	Enhanced therapeutic effect of paclitaxel with a natural polysaccharide carrier for local injection in breast cancer. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 163-172.	3.6	25

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37	Single and competitive adsorption between Indigo Carmine and Methyl orange dyes on quaternized kapok fiber adsorbent prepared by radiation technique. <i>Separation and Purification Technology</i> , 2022, 292, 121103.	3.9	25
38	Dual functional monomer surface molecularly imprinted microspheres for polysaccharide recognition in aqueous solution. <i>Analytical Methods</i> , 2019, 11, 2800-2808.	1.3	22
39	Bioactive Natural Small Molecule-Tuned Coassembly of Photosensitive Drugs for Highly Efficient Synergistic and Enhanced Type I Photochemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43488-43500.	4.0	21
40	Self-assembled fibrillar networks induced by two methods: a new unmodified natural product gel. <i>New Journal of Chemistry</i> , 2018, 42, 14170-14178.	1.4	20
41	Carrier-Free Triterpene Prodrugs with Glutathione Response and Biosafety for Synergistically Enhanced Photochemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 245-256.	4.0	20
42	Self-assembled natural small molecule diterpene acids with favorable anticancer activity and biosafety for synergistically enhanced antitumor chemotherapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2674-2687.	2.9	19
43	Protective Effect of Chitosan Oligosaccharides Against Cyclophosphamide-Induced Immunosuppression and Irradiation Injury in Mice. <i>Journal of Food Science</i> , 2018, 83, 535-542.	1.5	18
44	Protective Effects of Polysaccharides from Soybean Meal Against X-ray Radiation Induced Damage in Mouse Spleen Lymphocytes. <i>International Journal of Molecular Sciences</i> , 2011, 12, 8096-8104.	1.8	17
45	A directed co-assembly of herbal small molecules into carrier-free nanodrugs for enhanced synergistic antitumor efficacy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1040-1048.	2.9	17
46	A rapid electrochemical monitoring platform for sensitive determination of thiamethoxam based on cyclodextrin-graphene composite. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1991-1997.	2.2	16
47	Effects of polysaccharide from the fruiting bodies of <i>Auricularia auricular</i> on glucose metabolism in <sup>60</sup> Co- <sup>13</sup> -radiated mice. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 887-897.	3.6	15
48	Two new diterpenoid acids from <i>Pinus koraiensis</i> . <i>Fä-toterapÄ-Äc</i> , 2008, 79, 179-181.	1.1	14
49	Isolation and characterization of antioxidant polysaccharides (PKCP-D <sub>70</sub> -2-a and Tj ETQq1 1 0.784314 <sub>1.7</sub> rgBT /Overlock 1 <sub>14</sub>		
50	Growth-inhibition of S180 residual-tumor by combination of cyclophosphamide and chitosan oligosaccharides in vivo. <i>Life Sciences</i> , 2018, 202, 21-27.	2.0	14
51	Amido surface-functionalized magnetic molecularly imprinted polymers for the efficient extraction of Sibiskoside from <i>Sibiraea angustata</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1109, 90-98.	1.2	13
52	Paclitaxel and betulonic acid synergistically enhance antitumor efficacy by forming co-assembled nanoparticles. <i>Biochemical Pharmacology</i> , 2020, 182, 114232.	2.0	13
53	Phytonanomaterials as therapeutic agents and drug delivery carriers. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113868.	6.6	12
54	Water-compatible surface imprinting of Saccharin sodium™ on silica surface for selective recognition and detection in aqueous solution. <i>Talanta</i> , 2015, 144, 717-725.	2.9	10

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55	Isolation, physicochemical properties, and <i>in vitro</i> antioxidant activity of polysaccharides extracted from different parts of <i>Pinus koraiensis</i> . <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 225-240.	0.9	10
56	Photosensitive pro-drug nanoassemblies harboring a chemotherapeutic dormancy function potentiates cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 879-896.	5.7	10
57	Stimuli-responsive Supramolecular Gels Based on the Self-Assembly of stigmasterol-ferrocene derivative. <i>Colloids and Interface Science Communications</i> , 2020, 39, 100321.	2.0	9
58	Self-assembled supramolecular material derived from traditional Chinese medicine: Injectable self-assembled natural product gel for drug delivery with biological activity. <i>Materials Today Communications</i> , 2020, 23, 101149.	0.9	9
59	Determination of astaxanthin in feeds using high performance liquid chromatography and an efficient extraction method. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 35-43.	0.5	8
60	Preparation of three-dimensional graphene free-standing electrochemical sensor and its potential application in glucose determination. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2845-2853.	1.2	8
61	Nonylphenol Toxicity Evaluation and Discovery of Biomarkers in Rat Urine by a Metabolomics Strategy through HPLC-QTOF-MS. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 501.	1.2	7
62	Solvent-induced Gel Formation Hypothesis for Natural Product Gelators with Polycyclic Structures. <i>ChemPlusChem</i> , 2018, 83, 797-803.	1.3	6
63	In Vitro Antioxidant Activities of Water-soluble Nucleotide-extract from Edible Fungi. <i>Food Science and Technology Research</i> , 2012, 18, 405-412.	0.3	5
64	New stationary phase for hydrophilic interaction chromatography to separate chito-oligosaccharides with degree of polymerization 2-6. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1081-1082, 33-40.	1.2	5
65	Separation and enrichment of sibikoside from <i>Sibiraea angustata</i> with magnetic surface dummy template molecularly imprinted polymers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1178, 122767.	1.2	5
66	Exploring the self-assembly mechanism and effective synergistic antitumor chemophototherapy of a biodegradable and glutathione responsive ursolic acid prodrug mediated photosensitive nanodrug. <i>Biomaterials Science</i> , 2021, 9, 3762-3775.	2.6	5
67	Preparation and adsorption properties of glucose molecularly imprinted polymers in hydrous solution for effective determination of glucose in fruits by MISPE-HPLC. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2087-2096.	1.2	4
68	Oligochitosan-modified three-dimensional graphene free-standing electrode for electrochemical detection of imidacloprid insecticide. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1078-1088.	0.8	3
69	A highly atom-economical bioactive nanocarrier for synergistically enhanced antitumor with reduced liver injury. <i>New Journal of Chemistry</i> , 2020, 44, 16741-16751.	1.4	3
70	Simultaneous Determination of 70 Pesticide Residues in Coffees by Gas Chromatography-mass Spectrometry. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
71	Residue Analysis of Forchlorfenuron in Fruit and Vegetable by RP-HPLC. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
72	Cloning and function identification of the promoters and terminator of sugar beet chloroplast gene <i>psbA</i> . , 2011, , .		0