

# Yang Xu

## List of Publications by Year in descending order

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105  
papers

5,894  
citations

126907

33  
h-index

82547

72  
g-index

108  
all docs

108  
docs citations

108  
times ranked

9119  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new phenylpropanoid-substituted epicatechin from the rhizome of <i>Smilax china</i> . <i>Natural Product Research</i> , 2023, 37, 3409-3417.	1.8	1
2	Unsupervised deep learning method for bridge condition assessment based on intra-and inter-class probabilistic correlations of quasi-static responses. <i>Structural Health Monitoring</i> , 2023, 22, 600-620.	7.5	8
3	Structure-PoseNet for identification of dense dynamic displacement and three-dimensional poses of structures using a monocular camera. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 704-725.	9.8	22
4	A self-supervised generative adversarial network for autonomous early-stage design of architectural sketches. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 612-628.	9.8	25
5	Evaluation of the ventilation system in an LNG cargo tank construction platform (CTCP) by the AHP-entropy weight method. <i>Building Simulation</i> , 2022, 15, 1277-1294.	5.6	7
6	A classified feature representation three-way decision model for sentiment analysis. <i>Applied Intelligence</i> , 2022, 52, 7995-8007.	5.3	11
7	Photosensitizer Nanodot Eliciting Immunogenicity for Photo-Immunologic Therapy of Postoperative Methicillin-Resistant <i>Staphylococcus aureus</i> Infection and Secondary Recurrence. <i>Advanced Materials</i> , 2022, 34, e2107300.	21.0	44
8	Sources and Seasonal Variance of Ambient Volatile Organic Compounds in the Typical Industrial City of Changzhi, Northern China. <i>Atmosphere</i> , 2022, 13, 393.	2.3	6
9	Response of bacterial community structure to different ecological niches and their functions in Korean pine forests. <i>PeerJ</i> , 2022, 10, e12978.	2.0	3
10	Alkaloids From <i>Stemona tuberosa</i> and Their Anti-Inflammatory Activity. <i>Frontiers in Chemistry</i> , 2022, 10, 847595.	3.6	4
11	A Two-Stage Seismic Damage Assessment Method for Small, Dense, and Imbalanced Buildings in Remote Sensing Images. <i>Remote Sensing</i> , 2022, 14, 1012.	4.0	24
12	An SCD1-dependent mechanoresponsive pathway promotes HCC invasion and metastasis through lipid metabolic reprogramming. <i>Molecular Therapy</i> , 2022, 30, 2554-2567.	8.2	24
13	Fungal-Bacterial Networks in the Habitat of SongRong ( <i>Tricholoma matsutake</i> ) and Driving Factors of Their Distribution Rules. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 575.	3.5	3
14	Sequence-Selected C <sub>13</sub> -Dipeptide Self-Assembled Hydrogels for Encapsulation of Lemon Essential Oil with Antibacterial Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7148-7157.	5.2	7
15	Formation and driving factors of sulfate in PM <sub>2.5</sub> at a high-level atmospheric SO <sub>2</sub> city of Yangquan in China. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 491-501.	3.3	7
16	Photovoltaic Panel Temperature Monitoring and Prediction by Raman Distributed Temperature Sensor With Fuzzy Temperature Difference Threshold Method. <i>IEEE Sensors Journal</i> , 2021, 21, 373-380.	4.7	13
17	The PGC1 $\alpha$ /NRF1-MPC1 axis suppresses tumor progression and enhances the sensitivity to sorafenib/doxorubicin treatment in hepatocellular carcinoma. <i>Free Radical Biology and Medicine</i> , 2021, 163, 141-152.	2.9	23
18	Detection of circulating tumour cells enables early recurrence prediction in hepatocellular carcinoma patients undergoing liver transplantation. <i>Liver International</i> , 2021, 41, 562-573.	3.9	32

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19	Relationship modeling between vehicle-induced girder vertical deflection and cable tension by BiLSTM using field monitoring data of a cable-stayed bridge. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2667.	4.0	21
20	A method of VR-EEG scene cognitive rehabilitation training. <i>Health Information Science and Systems</i> , 2021, 9, 4.	5.2	11
21	Parallel Single-Pixel Imaging: A General Method for Direct Global Separation and 3D Shape Reconstruction Under Strong Global Illumination. <i>International Journal of Computer Vision</i> , 2021, 129, 1060-1086.	15.6	21
22	Tuning the nitrogen-doping configuration in carbon materials via sulfur doping for ultrastable potassium ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16150-16159.	10.3	50
23	AtPHB2 regulates salt stress response in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2021, 94, 23-32.	3.4	0
24	Experimental study of aerodynamic noise performance of improved air distributor for ships. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110012.	1.6	2
25	The 1st International Project Competition for Structural Health Monitoring (IPC-SHM, 2020): A summary and benchmark problem. <i>Structural Health Monitoring</i> , 2021, 20, 2229-2239.	7.5	32
26	Alkaloids of <i>Delphinium grandiflorum</i> and their implication to H <sub>2</sub> O <sub>2</sub> -induced cardiomyocytes injury. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 37, 116113.	3.0	8
27	Dissecting spatial heterogeneity and the immune-evasion mechanism of CTCs by single-cell RNA-seq in hepatocellular carcinoma. <i>Nature Communications</i> , 2021, 12, 4091.	12.8	90
28	Diterpenoids from the genus <i>Euphorbia</i> : Structure and biological activity (2013-2019). <i>Phytochemistry</i> , 2021, 190, 112846.	2.9	50
29	Facile one-pot synthesis of carbon self-doped graphitic carbon nitride loaded with ultra-low ceric dioxide for high-efficiency environmental photocatalysis: Organic pollutants degradation and hexavalent chromium reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 196-208.	9.4	77
30	Chemical Components of the Fruits of <i>Morus nigra</i> Linn.: Methyl Caffeate as a Potential Anticancer Agent by Targeting 3-Phosphoglycerate Dehydrogenase. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12433-12444.	5.2	7
31	Far upstream element-binding protein 1 facilitates hepatocellular carcinoma invasion and metastasis. <i>Carcinogenesis</i> , 2020, 41, 950-960.	2.8	13
32	Synergistic effects of red phosphorus masterbatch with expandable graphite on the flammability and thermal stability of polypropylene/thermoplastic polyurethane blends. <i>Polymers and Polymer Composites</i> , 2020, 28, 209-219.	1.9	9
33	Amino Acid-Functionalized Two-Dimensional Hollow Cobalt Sulfide Nanoleaves for the Highly Selective Enrichment of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , 2020, 92, 2151-2158.	6.5	37
34	Ca. 780 Ma OIB-like mafic dykes in the Western Jiangnan orogenic Belt, South China: evidence for large-scale upwelling of asthenosphere beneath a post-orogenic setting. <i>International Geology Review</i> , 2020, 62, 2280-2299.	2.1	2
35	Furin: A Potential Therapeutic Target for COVID-19. <i>iScience</i> , 2020, 23, 101642.	4.1	134
36	Porous CuO@C composite as high-performance anode materials for lithium-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 11597-11604.	3.3	47

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37	NiRu nanoparticles encapsulated in a nitrogen-doped carbon matrix as a highly efficient electrocatalyst for the hydrogen evolution reaction. Dalton Transactions, 2020, 49, 13647-13654.	3.3	19
38	USP1 Maintains the Survival of Liver Circulating Tumor Cells by Deubiquitinating and Stabilizing TBLR1. Frontiers in Oncology, 2020, 10, 554809.	2.8	11
39	Novel fluorinated polycationic delivery of anti-VEGF siRNA for tumor therapy. NPC Asia Materials, 2020, 12, .	7.9	14
40	Melatonin-Based and Biomimetic Scaffold as Muscle ECM Implant for Guiding Myogenic Differentiation of Volumetric Muscle Loss. Advanced Functional Materials, 2020, 30, 2002378.	14.9	27
41	MOF-derived hollow NiCo <sub>2</sub> O <sub>4</sub> nanowires as stable Li-ion battery anodes. Dalton Transactions, 2020, 49, 10808-10815.	3.3	51
42	MicroRNA-19a-3p regulates cell growth through modulation of the PIK3IP1-AKT pathway in hepatocellular carcinoma. Journal of Cancer, 2020, 11, 2476-2484.	2.5	15
43	A yolk-shell structured metal-organic framework with encapsulated iron-porphyrin and its derived bimetallic nitrogen-doped porous carbon for an efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2020, 8, 9536-9544.	10.3	95
44	A fluorinated low-molecular-weight PEI/HIF-1 $\alpha$ shRNA polyplex system for hemangioma therapy. Biomaterials Science, 2020, 8, 2129-2142.	5.4	10
45	Enhancement of sciatic nerve regeneration with dual delivery of vascular endothelial growth factor and nerve growth factor genes. Journal of Nanobiotechnology, 2020, 18, 46.	9.1	31
46	Mechano-Informed Biomimetic Polymer Scaffolds by Incorporating Self-Powered Zinc Oxide Nanogenerators Enhance Motor Recovery and Neural Function. Small, 2020, 16, e2000796.	10.0	70
47	Analysis of therapeutic targets for SARS-CoV-2 and discovery of potential drugs by computational methods. Acta Pharmaceutica Sinica B, 2020, 10, 766-788.	12.0	1,704
48	Pipeline Leak Detection Using Raman Distributed Fiber Sensor With Dynamic Threshold Identification Method. IEEE Sensors Journal, 2020, 20, 7870-7877.	4.7	43
49	2D Metal-Organic Framework Derived CuCo Alloy Nanoparticles Encapsulated by Nitrogen-Doped Carbonaceous Nanoleaves for Efficient Bifunctional Oxygen Electrocatalyst and Zinc-Air Batteries. Chemistry - A European Journal, 2019, 25, 12780-12788.	3.3	38
50	On the interaction between turbulent vortex rings of a synthetic jet and porous walls. Physics of Fluids, 2019, 31, 105112.	4.0	13
51	Automatic seismic damage identification of reinforced concrete columns from images by a region-based deep convolutional neural network. Structural Control and Health Monitoring, 2019, 26, e2313.	4.0	128
52	The State of the Art of Data Science and Engineering in Structural Health Monitoring. Engineering, 2019, 5, 234-242.	6.7	263
53	A Low-Molecular-Weight Polyethylenimine/pDNA-VEGF Polyplex System Constructed in a One-Pot Manner for Hindlimb Ischemia Therapy. Pharmaceutics, 2019, 11, 171.	4.5	2
54	Calculation and Analysis of Electromagnetic Characteristics of Double-Fed Linear Motor. IEEE Access, 2019, 7, 12291-12296.	4.2	3

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55	Differential network analysis depicts regulatory mechanisms for hepatocellular carcinoma from diverse backgrounds. <i>Future Oncology</i> , 2019, 15, 3917-3934.	2.4	2
56	A two-dimensional multi-shelled metal-organic framework and its derived bimetallic N-doped porous carbon for electrocatalytic oxygen reduction. <i>Chemical Communications</i> , 2019, 55, 14805-14808.	4.1	39
57	Dual Tuning of Ultrathin $\text{Co}(\text{OH})_2$ Nanosheets by Solvent Engineering and Coordination Competition for Efficient Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3527-3535.	6.7	56
58	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. <i>Surface Engineering</i> , 2019, 35, 426-434.	2.2	14
59	Surface fatigue crack identification in steel box girder of bridges by a deep fusion convolutional neural network based on consumer-grade camera images. <i>Structural Health Monitoring</i> , 2019, 18, 653-674.	7.5	184
60	Circulating Tumor Cells with Stem-Like Phenotypes for Diagnosis, Prognosis, and Therapeutic Response Evaluation in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 2203-2213.	7.0	102
61	Design, synthesis and anti-bacterial evaluation of novel 1,3,4-thiadiazole derivatives bearing a semicarbazone moiety. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 443-450.	1.6	4
62	Laminar vortex rings impinging onto porous walls with a constant porosity. <i>Journal of Fluid Mechanics</i> , 2018, 837, 729-764.	3.4	26
63	Honeycomb-like polysulphone/polyurethane nanofiber filter for the removal of organic/inorganic species from air streams. <i>Journal of Hazardous Materials</i> , 2018, 347, 325-333.	12.4	67
64	Circulating Tumor Cells from Different Vascular Sites Exhibit Spatial Heterogeneity in Epithelial and Mesenchymal Composition and Distinct Clinical Significance in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 547-559.	7.0	112
65	Lignans from the seeds of Chinese hawthorn ( <i>Crataegus pinnatifida</i> var. <i>major</i> N.E.Br.) against I <sup>2</sup> -amyloid aggregation. <i>Natural Product Research</i> , 2018, 32, 1706-1713.	1.8	20
66	Identification framework for cracks on a steel structure surface by a restricted Boltzmann machines algorithm based on consumer-grade camera images. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2075.	4.0	92
67	Graphene Oxide/Polyester Fabric Composite by Electrostatic Self-Assembly as a New Recyclable Adsorbent for the Removal of Methylene Blue. <i>Fibers and Polymers</i> , 2018, 19, 1726-1734.	2.1	1
68	Quasi-single-crystalline CoO hexagrams with abundant defects for highly efficient electrocatalytic water oxidation. <i>Chemical Science</i> , 2018, 9, 6961-6968.	7.4	56
69	Polymeric immunoglobulin receptor promotes tumor growth in hepatocellular carcinoma. <i>Hepatology</i> , 2017, 65, 1948-1962.	7.3	43
70	Feasibility study on determining the conventional true value of gamma-ray air kerma in a minitype reference radiation. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	5
71	Aqueous extract of Cortex Dictamni protects H9c2 cardiomyocytes from hypoxia/reoxygenation-induced oxidative stress and apoptosis by PI3K/Akt signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 233-244.	5.6	27
72	Self-layering behavior of PET fiber deposition in melt-electrospinning process. <i>Fibers and Polymers</i> , 2017, 18, 1981-1987.	2.1	3

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73	Long non-coding RNA00364 represses hepatocellular carcinoma cell proliferation via modulating p-STAT3-IFIT2 signaling axis. <i>Oncotarget</i> , 2017, 8, 102006-102019.	1.8	30
74	Desiccation Treatment and Endogenous IAA Levels Are Key Factors Influencing High Frequency Somatic Embryogenesis in <i>Cunninghamia lanceolata</i> (Lamb.) Hook. <i>Frontiers in Plant Science</i> , 2017, 8, 2054.	3.6	40
75	Differentially expressed miRNAs in hepatocellular carcinoma cells under hypoxic conditions are associated with transcription and phosphorylation. <i>Oncology Letters</i> , 2017, 15, 467-474.	1.8	11
76	Shanghai Score. <i>Chinese Medical Journal</i> , 2017, 130, 2650-2660.	2.3	18
77	HOXB7 promotes tumor progression via bFGF-induced activation of MAPK/ERK pathway and indicated poor prognosis in hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 47121-47135.	1.8	29
78	Synergistic effects of ammonium polyphosphate and red phosphorus with expandable graphite on flammability and thermal properties of HDPE/EVA blends. <i>Polymers for Advanced Technologies</i> , 2016, 27, 52-60.	3.2	36
79	Determination of the conventional true value of gamma-ray air kerma in a minitype reference radiation. <i>Applied Radiation and Isotopes</i> , 2016, 118, 238-245.	1.5	11
80	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. <i>Fibers and Polymers</i> , 2016, 17, 1414-1420.	2.1	11
81	Hydrothermal Growth of Ag-Doped ZnO Nanoparticles on Electrospun Cellulose Nanofibrous Mats for Catechol Detection. <i>Electroanalysis</i> , 2015, 27, 1490-1497.	2.9	9
82	Probabilistic deterioration model of high-strength steel wires and its application to bridge cables. <i>Structure and Infrastructure Engineering</i> , 2015, 11, 1240-1249.	3.7	46
83	High level of serum protein DKK1 predicts poor prognosis for patients with hepatocellular carcinoma after hepatectomy. <i>Hepatic Oncology</i> , 2015, 2, 231-244.	4.2	13
84	A polymeric nanoparticle formulation of curcumin in combination with sorafenib synergistically inhibits tumor growth and metastasis in an orthotopic model of human hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 525-532.	2.1	59
85	Thermal stability and combustion behavior of flame-retardant polypropylene with thermoplastic polyurethane-microencapsulated ammonium polyphosphate. <i>High Performance Polymers</i> , 2014, 26, 445-454.	1.8	35
86	Systemic Immune-Inflammation Index Predicts Prognosis of Patients after Curative Resection for Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2014, 20, 6212-6222.	7.0	1,012
87	Optical and Electroluminescent Studies of White-Light-Emitting Copolymers Based on Poly(9,9-dioctylfluorene) and Fluorenone Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1060-1067.	2.2	11
88	Influences of coupling agent on thermal properties, flammability and mechanical properties of polypropylene/thermoplastic polyurethanes composites filled with expanded graphite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 689-695.	3.6	34
89	Eudesmane-Type Sesquiterpenes from <i>Curcuma phaeocaulis</i> and Their Inhibitory Activities on Nitric Oxide Production in RAW 264.7 Cells. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5540-5548.	2.4	21
90	Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 101-111.	3.6	18

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91	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. <i>Fibers and Polymers</i> , 2013, 14, 1614-1619.	2.1	13
92	Pu-erh Tea Reduces Nitric Oxide Levels in Rats by Inhibiting Inducible Nitric Oxide Synthase Expression through Toll-Like Receptor 4. <i>International Journal of Molecular Sciences</i> , 2012, 13, 7174-7185.	4.1	17
93	Removal of a Cationic Dye by Adsorption/Photodegradation Using Electrospun PAN/O-MMT Composite Nanofibrous Membranes Coated withTiO2. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-8.	2.5	21
94	The Effects of Different Chilling Methods on Meat Quality and Calpain Activity of Pork Muscle <i>&lt;i&gt;Longissimus Dorsi&lt;/i&gt;</i> . <i>Journal of Food Science</i> , 2012, 77, C27-32.	3.1	17
95	White Electroluminescence from a Single-Polymer System with Simultaneous Three-color Emission. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 76-81.	3.7	1
96	Synthesis and characterization of pH- and thermoresponsive Poly(N-isopropylacrylamide-co-itaconic) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	2.4	37
97	Surface functionalization of polymer nanofibers by ITO sputter coating. <i>Journal of Coatings Technology Research</i> , 2010, 7, 511-514.	2.5	6
98	Structures and properties of the polyester nonwovens coated with titanium dioxide by reactive sputtering. <i>Journal of Coatings Technology Research</i> , 2010, 7, 637-642.	2.5	14
99	Surface and Interface Investigation of Indium-Tin-Oxide (ITO) Coated Nonwoven Fabrics. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 135-147.	2.6	9
100	Energy Minimization for Broadcasting Message in Wireless Sensor Networks. , 2009, , .		1
101	An Amperometric Immunosensor Based on Layerâ€byâ€Layer Assembly of <i>&lt;scp&gt;L&lt;/scp&gt;</i> â€Cysteine and Nanosized Prussian Blue on Gold Electrode for Determination of Human Chorionic Gonadotrophin. <i>Electroanalysis</i> , 2009, 21, 707-714.	2.9	10
102	Comparative studies of polypropylene nonwoven sputtered with ITO and AZO. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1813-1819.	2.6	5
103	Preparation and the light transmittance of TiO2 deposited fabrics. <i>Journal of Coatings Technology Research</i> , 2009, 6, 549-555.	2.5	12
104	Responses of decomposition rate, nutrient return, and composition of leaf litter to thinning intensities in a <i>Pinus tabulaeformis</i> plantation. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 458-463.	0.2	2
105	Multilayer Assembly of Hemoglobin and Colloidal Gold Nanoparticles on Multiwall Carbon Nanotubes/Chitosan Composite for Detecting Hydrogen Peroxide. <i>Electroanalysis</i> , 2008, 20, 2141-2147.	2.9	17