

# 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	Analysis of therapeutic targets for SARS-CoV-2 and discovery of potential drugs by computational methods. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 766-788.	12.0	1,704
2	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
3	The State of the Art of Data Science and Engineering in Structural Health Monitoring. <i>Engineering</i> , 2019, 5, 234-242.	6.7	263
4	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
5	Furin: A Potential Therapeutic Target for COVID-19. <i>IScience</i> , 2020, 23, 101642.	4.1	134
6	Automatic seismic damage identification of reinforced concrete columns from images by a region-based deep convolutional neural network. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2313.	4.0	128
7	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
8	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
9	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. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9536-9544.	10.3	95
10	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
11	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
12	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
13	Mechano-Informed Biomimetic Polymer Scaffolds by Incorporating Self-Powered Zinc Oxide Nanogenerators Enhance Motor Recovery and Neural Function. <i>Small</i> , 2020, 16, e2000796.	10.0	70
14	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
15	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
16	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
17	Dual Tuning of Ultrathin $\text{Co(OH)}_2$ 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
18	MOF-derived hollow $\text{NiCo}_2\text{O}_4$ nanowires as stable Li-ion battery anodes. <i>Dalton Transactions</i> , 2020, 49, 10808-10815.	3.3	51

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19	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
20	Diterpenoids from the genus <i>Euphorbia</i> : Structure and biological activity (2013–2019). <i>Phytochemistry</i> , 2021, 190, 112846.	2.9	50
21	Porous CuO@C composite as high-performance anode materials for lithium-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 11597-11604.	3.3	47
22	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
23	Photosensitizer Nanodot Eliciting Immunogenicity for Photoimmunologic Therapy of Postoperative Methicillin-Resistant <i>Staphylococcus aureus</i> Infection and Secondary Recurrence. <i>Advanced Materials</i> , 2022, 34, e2107300.	21.0	44
24	Polymeric immunoglobulin receptor promotes tumor growth in hepatocellular carcinoma. <i>Hepatology</i> , 2017, 65, 1948-1962.	7.3	43
25	Pipeline Leak Detection Using Raman Distributed Fiber Sensor With Dynamic Threshold Identification Method. <i>IEEE Sensors Journal</i> , 2020, 20, 7870-7877.	4.7	43
26	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
27	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
28	2D Metal-Organic Framework Derived CuCo Alloy Nanoparticles Encapsulated by Nitrogen-Doped Carbonaceous Nanoleaves for Efficient Bifunctional Oxygen Electrocatalyst and Zinc-Air Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 12780-12788.	3.3	38
29	Synthesis and characterization of pH- and thermoresponsive Poly(N-isopropylacrylamide-co-itaconic) Tj ETQq1 1 0.784314 rgBT / Overbo	2.4	37
30	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
31	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
32	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
33	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
34	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
35	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
36	Enhancement of sciatic nerve regeneration with dual delivery of vascular endothelial growth factor and nerve growth factor genes. <i>Journal of Nanobiotechnology</i> , 2020, 18, 46.	9.1	31

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37	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
38	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
39	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
40	Melatonin-Based and Biomimetic Scaffold as Muscle ECM Implant for Guiding Myogenic Differentiation of Volumetric Muscle Loss. <i>Advanced Functional Materials</i> , 2020, 30, 2002378.	14.9	27
41	Laminar vortex rings impinging onto porous walls with a constant porosity. <i>Journal of Fluid Mechanics</i> , 2018, 837, 729-764.	3.4	26
42	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
43	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
44	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
45	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
46	StructurePoseNet 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
47	Removal of a Cationic Dye by Adsorption/Photodegradation Using Electrospun PAN/O-MMT Composite Nanofibrous Membranes Coated with TiO <sub>2</sub> . <i>International Journal of Photoenergy</i> , 2012, 2012, 1-8.	2.5	21
48	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
49	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
50	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
51	Lignans from the seeds of Chinese hawthorn ( <i>Crataegus pinnatifida</i> var. <i>major</i> N.E.Br.) against $\beta$ -amyloid aggregation. <i>Natural Product Research</i> , 2018, 32, 1706-1713.	1.8	20
52	NiRu nanoparticles encapsulated in a nitrogen-doped carbon matrix as a highly efficient electrocatalyst for the hydrogen evolution reaction. <i>Dalton Transactions</i> , 2020, 49, 13647-13654.	3.3	19
53	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
54	Shanghai Score. <i>Chinese Medical Journal</i> , 2017, 130, 2650-2660.	2.3	18

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55	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
56	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
57	The Effects of Different Chilling Methods on Meat Quality and Calpain Activity of Pork Muscle <i>Longissimus Dorsi</i> . <i>Journal of Food Science</i> , 2012, 77, C27-32.	3.1	17
58	MicroRNA-19a-3p regulates cell growth through modulation of the PIK3IP1-AKT pathway in hepatocellular carcinoma. <i>Journal of Cancer</i> , 2020, 11, 2476-2484.	2.5	15
59	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
60	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. <i>Surface Engineering</i> , 2019, 35, 426-434.	2.2	14
61	Novel fluorinated polycationic delivery of anti-VEGF siRNA for tumor therapy. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	14
62	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
63	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
64	On the interaction between turbulent vortex rings of a synthetic jet and porous walls. <i>Physics of Fluids</i> , 2019, 31, 105112.	4.0	13
65	Far upstream element-binding protein 1 facilitates hepatocellular carcinoma invasion and metastasis. <i>Carcinogenesis</i> , 2020, 41, 950-960.	2.8	13
66	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
67	Preparation and the light transmittance of TiO <sub>2</sub> deposited fabrics. <i>Journal of Coatings Technology Research</i> , 2009, 6, 549-555.	2.5	12
68	Optical and Electroluminescent Studies of White-Light-Emitting Copolymers Based on Poly(9,9-diocetylfluorene) and Fluorenone Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1060-1067.	2.2	11
69	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
70	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. <i>Fibers and Polymers</i> , 2016, 17, 1414-1420.	2.1	11
71	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
72	USP1 Maintains the Survival of Liver Circulating Tumor Cells by Deubiquitinating and Stabilizing TBLR1. <i>Frontiers in Oncology</i> , 2020, 10, 554809.	2.8	11

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73	A method of VR-EEG scene cognitive rehabilitation training. <i>Health Information Science and Systems</i> , 2021, 9, 4.	5.2	11
74	A classified feature representation three-way decision model for sentiment analysis. <i>Applied Intelligence</i> , 2022, 52, 7995-8007.	5.3	11
75	An Amperometric Immunosensor Based on Layer-by-Layer Assembly of L-Cysteine and Nanosized Prussian Blue on Gold Electrode for Determination of Human Chorionic Gonadotrophin. <i>Electroanalysis</i> , 2009, 21, 707-714.	2.9	10
76	A fluorinated low-molecular-weight PEI/HIF-1 $\alpha$ shRNA polyplex system for hemangioma therapy. <i>Biomaterials Science</i> , 2020, 8, 2129-2142.	5.4	10
77	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
78	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
79	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
80	Alkaloids of <i>Delphinium grandiflorum</i> and their implication to H <sub>2</sub> O <sub>2</sub> -induced cardiomyocytes injury. <i>Biorganic and Medicinal Chemistry</i> , 2021, 37, 116113.	3.0	8
81	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
82	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
83	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
84	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
85	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
86	Surface functionalization of polymer nanofibers by ITO sputter coating. <i>Journal of Coatings Technology Research</i> , 2010, 7, 511-514.	2.5	6
87	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
88	Comparative studies of polypropylene nonwoven sputtered with ITO and AZO. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1813-1819.	2.6	5
89	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
90	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

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91	Alkaloids From <i>Stemona tuberosa</i> and Their Anti-Inflammatory Activity. <i>Frontiers in Chemistry</i> , 2022, 10, 847595.	3.6	4
92	Self-layering behavior of PET fiber deposition in melt-electrospinning process. <i>Fibers and Polymers</i> , 2017, 18, 1981-1987.	2.1	3
93	Calculation and Analysis of Electromagnetic Characteristics of Double-Fed Linear Motor. <i>IEEE Access</i> , 2019, 7, 12291-12296.	4.2	3
94	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
95	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
96	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
97	A Low-Molecular-Weight Polyethylenimine/pDNA-VEGF Polyplex System Constructed in a One-Pot Manner for Hindlimb Ischemia Therapy. <i>Pharmaceutics</i> , 2019, 11, 171.	4.5	2
98	Differential network analysis depicts regulatory mechanisms for hepatocellular carcinoma from diverse backgrounds. <i>Future Oncology</i> , 2019, 15, 3917-3934.	2.4	2
99	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
100	Experimental study of aerodynamic noise performance of improved air distributor for ships. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110012.	1.6	2
101	Energy Minimization for Broadcasting Message in Wireless Sensor Networks. , 2009, , .		1
102	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
103	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
104	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
105	AtPHB2 regulates salt stress response in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2021, 94, 23-32.	3.4	0