

# Yu Yang

## List of Publications by Year in descending order

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87  
papers

5,332  
citations

81900

39  
h-index

85541

71  
g-index

91  
all docs

91  
docs citations

91  
times ranked

7456  
citing authors

#	ARTICLE	IF	CITATIONS
1	1D Coordination Polymer Nanofibers for Low-Temperature Photothermal Therapy. <i>Advanced Materials</i> , 2017, 29, 1703588.	21.0	437
2	Nanoscale metal-organic frameworks for combined photodynamic & radiation therapy in cancer treatment. <i>Biomaterials</i> , 2016, 97, 1-9.	11.4	379
3	Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. <i>Nano-Micro Letters</i> , 2020, 12, 103.	27.0	363
4	Nanoscale Metal-Organic Particles with Rapid Clearance for Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2016, 10, 2774-2781.	14.6	300
5	Advances in self-assembled chitosan nanomaterials for drug delivery. <i>Biotechnology Advances</i> , 2014, 32, 1301-1316.	11.7	260
6	Catalase-loaded cisplatin-prodrug-constructed liposomes to overcome tumor hypoxia for enhanced chemo-radiotherapy of cancer. <i>Biomaterials</i> , 2017, 138, 13-21.	11.4	214
7	Nanoscale Coordination Polymer Shelled Manganese Dioxide Composite Nanoparticles: A Multistage Redox/pH/H <sub>2</sub> O <sub>2</sub> -Responsive Cancer Theranostic Nanoplatform. <i>Advanced Functional Materials</i> , 2017, 27, 1605926.	14.9	192
8	G-Quadruplex-Based Nanoscale Coordination Polymers to Modulate Tumor Hypoxia and Achieve Nuclear-Targeted Drug Delivery for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , 2018, 18, 6867-6875.	9.1	187
9	Redox-Sensitive Nanoscale Coordination Polymers for Drug Delivery and Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23555-23563.	8.0	134
10	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17048-17052.	13.8	122
11	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. <i>Chemical Science</i> , 2018, 9, 7505-7509.	7.4	110
12	Biodegradable Nickel Disulfide Nanozymes with GSH-Depleting Function for High-Efficiency Photothermal-Catalytic Antibacterial Therapy. <i>IScience</i> , 2020, 23, 101281.	4.1	98
13	Modulating Aptamer Specificity with pH-Responsive DNA Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 13335-13339.	13.7	97
14	Fe-Curcumin Nanozyme-Mediated Reactive Oxygen Species Scavenging and Anti-Inflammation for Acute Lung Injury. <i>ACS Central Science</i> , 2022, 8, 10-21.	11.3	97
15	Light-controlled drug release from singlet-oxygen sensitive nanoscale coordination polymers enabling cancer combination therapy. <i>Biomaterials</i> , 2017, 146, 40-48.	11.4	94
16	Synthesis of IL-6 by Hepatocytes Is a Normal Response to Common Hepatic Stimuli. <i>PLoS ONE</i> , 2014, 9, e96053.	2.5	93
17	Tumor vasculature normalization by orally fed erlotinib to modulate the tumor microenvironment for enhanced cancer nanomedicine and immunotherapy. <i>Biomaterials</i> , 2017, 148, 69-80.	11.4	88
18	Combined identification of long non-coding RNA XIST and HIF1A-AS1 in serum as an effective screening for non-small cell lung cancer. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 7887-95.	0.5	87

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19	Pressure controlled drug release in a Zr-cluster-based MOF. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6398-6401.	5.8	86
20	MoS <sub>2</sub> -Based Nanoprobes for Detection of Silver Ions in Aqueous Solutions and Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7526-7533.	8.0	85
21	Improved Deep Transfer Auto-Encoder for Fault Diagnosis of Gearbox Under Variable Working Conditions With Small Training Samples. <i>IEEE Access</i> , 2019, 7, 115368-115377.	4.2	83
22	Two-dimensional metal-organic-framework as a unique theranostic nano-platform for nuclear imaging and chemo-photodynamic cancer therapy. <i>Nano Research</i> , 2019, 12, 1307-1312.	10.4	77
23	Ostwald Ripening-Mediated Grafting of Metal-Organic Frameworks on a Single Colloidal Nanocrystal to Form Uniform and Controllable MXF. <i>Journal of the American Chemical Society</i> , 2019, 141, 7407-7413.	13.7	74
24	One-pot synthesis of pH-responsive charge-switchable PEGylated nanoscale coordination polymers for improved cancer therapy. <i>Biomaterials</i> , 2018, 156, 121-133.	11.4	73
25	Circular Bispecific Aptamer-Mediated Artificial Intercellular Recognition for Targeted T Cell Immunotherapy. <i>ACS Nano</i> , 2020, 14, 9562-9571.	14.6	65
26	Near-infrared light-activated cancer cell targeting and drug delivery with aptamer-modified nanostructures. <i>Nano Research</i> , 2016, 9, 139-148.	10.4	64
27	Enhanced in Vivo Blood-Brain Barrier Penetration by Circular Tau-Transferrin Receptor Bifunctional Aptamer for Tauopathy Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 3862-3872.	13.7	64
28	Aptamer-Based Logic Computing Reaction on Living Cells to Enable Non-Antibody Immune Checkpoint Blockade Therapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 8391-8401.	13.7	64
29	Multifaceted role of phyto-derived polyphenols in nanodrug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113870.	13.7	64
30	A Mediator-Free Tyrosinase Biosensor Based on ZnO Sol-Gel Matrix. <i>Electroanalysis</i> , 2005, 17, 1065-1070.	2.9	62
31	Highly Effective Radioisotope Cancer Therapy with a Non-Therapeutic Isotope Delivered and Sensitized by Nanoscale Coordination Polymers. <i>ACS Nano</i> , 2018, 12, 7519-7528.	14.6	59
32	Core-shell and co-doped nanoscale metal-organic particles (NMOPs) obtained via post-synthesis cation exchange for multimodal imaging and synergistic thermo-radiotherapy. <i>NPG Asia Materials</i> , 2017, 9, e344-e344.	7.9	56
33	Tumor microenvironment-responsive dynamic inorganic nanoassemblies for cancer imaging and treatment. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114004.	13.7	55
34	Tumor microenvironment (TME)-activatable circular aptamer-PEG as an effective hierarchical-targeting molecular medicine for photodynamic therapy. <i>Biomaterials</i> , 2020, 246, 119971.	11.4	54
35	Multiscale Permutation Entropy Based Rolling Bearing Fault Diagnosis. <i>Shock and Vibration</i> , 2014, 2014, 1-8.	0.6	49
36	Fluorometric determination of pesticides and organophosphates using nanoceria as a phosphatase mimic and an inner filter effect on carbon nanodots. <i>Mikrochimica Acta</i> , 2019, 186, 66.	5.0	47

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37	A biocompatible metal-organic framework as a pH and temperature dual-responsive drug carrier. Dalton Transactions, 2018, 47, 15882-15887.	3.3	45
38	Robot-assisted esophagectomy (RAE) versus conventional minimally invasive esophagectomy (MIE) for resectable esophageal squamous cell carcinoma: protocol for a multicenter prospective randomized controlled trial (RAMIE trial, robot-assisted minimally invasive Esophagectomy). BMC Cancer, 2019, 19, 608.	2.6	44
39	Gambogic acid-loaded pH-sensitive mixed micelles for overcoming breast cancer resistance. International Journal of Pharmaceutics, 2015, 495, 840-848.	5.2	42
40	In situ synthesis of porous silicananoparticles for covalent immobilization of enzymes. Nanoscale, 2012, 4, 414-416.	5.6	41
41	N-doped carbon dots for highly sensitive and selective sensing of copper ion and sulfide anion in lake water. Journal of Environmental Chemical Engineering, 2021, 9, 105081.	6.7	40
42	Equipping Cancer Cell Membrane Vesicles with Functional DNA as a Targeted Vaccine for Cancer Immunotherapy. Nano Letters, 2021, 21, 9410-9418.	9.1	39
43	DNA-Based MXFs to Enhance Radiotherapy and Stimulate Robust Antitumor Immune Responses. Nano Letters, 2022, 22, 2826-2834.	9.1	33
44	Composition-Tunable Ultrasmall Manganese Ferrite Nanoparticles: Insights into their <i>In Vivo</i> Contrast Efficacy. Theranostics, 2019, 9, 1764-1776.	10.0	32
45	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. Angewandte Chemie, 2018, 130, 17294-17298.	2.0	31
46	Core-Shell HA-AuNPs@SiNPs Nanoprobe for Sensitive Fluorescence Hyaluronidase Detection and Cell Imaging. ACS Sustainable Chemistry and Engineering, 2018, 6, 16555-16562.	6.7	30
47	Reaction Mechanism of Single Subunit NADH-Ubiquinone Oxidoreductase (Ndi1) from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 9287-9297.	3.4	27
48	DNAzyme-based biosensors for mercury (Hg <sup>2+</sup> ) detection: Rational construction, advances and perspectives. Journal of Hazardous Materials, 2022, 431, 128606.	12.4	26
49	Reconstruction of mediastinal vessels for invasive thymoma: a retrospective analysis of 25 cases. Journal of Thoracic Disease, 2017, 9, 725-733.	1.4	25
50	Effect of hyperoside on the apoptosis of A549 human non-small cell lung cancer cells and the underlying mechanism. Molecular Medicine Reports, 2017, 16, 6483-6488.	2.4	23
51	Chemiluminescent Nanosystems for Imaging Cancer Chemodynamic Therapy. Chem, 2020, 6, 2127-2129.	11.7	19
52	Robot assisted esophagectomy for esophageal squamous cell carcinoma. Journal of Thoracic Disease, 2018, 10, 3767-3775.	1.4	17
53	Ramanujan Fourier Mode Decomposition and Its Application in Gear Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2022, 18, 6079-6088.	11.3	17
54	Computer-aided design of reversible hybridization chain reaction (CAD-HCR) enables multiplexed single-cell spatial proteomics imaging. Science Advances, 2022, 8, eabk0133.	10.3	16

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55	Amperometric Tyrosinase Biosensor Using Enzyme-Labelled Au Colloids Immobilized on Cystamine/Chitosan Modified Gold Surface. <i>Analytical Letters</i> , 2004, 37, 1079-1091.	1.8	15
56	An individually coated near-infrared fluorescent protein as a safe and robust nanoprobe for in vivo imaging. <i>Nanoscale</i> , 2013, 5, 10345.	5.6	14
57	Risk factors and consequences of perioperative reoperation in patients undergoing pulmonary resection surgery. <i>Surgery</i> , 2016, 159, 591-601.	1.9	14
58	3D halos assembled from Fe <sub>3</sub> O <sub>4</sub> /Au NPs with enhanced catalytic and optical properties. <i>Nanoscale</i> , 2019, 11, 20968-20976.	5.6	14
59	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020, 10, 4030-4041.	10.0	14
60	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. <i>Chemical Science</i> , 2020, 11, 9648-9654.	7.4	13
61	Two-gene signature improves the discriminatory power of IASLC/ATS/ERS classification to predict the survival of patients with early-stage lung adenocarcinoma. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 4583-4591.	2.0	12
62	New Insights from Chemical Biology: Molecular Basis of Transmission, Diagnosis, and Therapy of SARS-CoV-2. <i>CCS Chemistry</i> , 2021, 3, 1501-1528.	7.8	12
63	Experience with the dVinci robotic system for early-stage thymomas: Report of 23 cases. <i>Thoracic Cancer</i> , 2014, 5, 325-329.	1.9	11
64	Low-frequency ultrasound-mediated microvessel disruption combined with docetaxel to treat prostate carcinoma xenografts in nude mice: A novel type of chemoembolization. <i>Oncology Letters</i> , 2016, 12, 1011-1018.	1.8	11
65	Minimally invasive esophagectomy is a safe surgical treatment for locally advanced pathologic T3 esophageal squamous cell carcinoma. <i>Journal of Thoracic Disease</i> , 2017, 9, 2982-2991.	1.4	11
66	Minimally invasive esophagectomy for esophageal squamous cell carcinoma—Shanghai Chest Hospital experience. <i>Journal of Thoracic Disease</i> , 2018, 10, 3800-3807.	1.4	9
67	Adjuvant therapy for pathological T3N0M0 esophageal squamous cell carcinoma. <i>Journal of Thoracic Disease</i> , 2019, 11, 2512-2522.	1.4	9
68	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. <i>IScience</i> , 2020, 23, 101750.	4.1	9
69	The value of enhanced CT scanning for predicting lymph node metastasis along the right recurrent laryngeal nerve in esophageal squamous cell carcinoma. <i>Annals of Translational Medicine</i> , 2020, 8, 1632-1632.	1.7	9
70	Highly Selective Dopamine Determination by Using Carboxymethylated $\beta$ -Cyclodextrin Polymer Film Modified Electrode. <i>Analytical Letters</i> , 2004, 37, 2267-2282.	1.8	7
71	Low-frequency and low-intensity ultrasound-mediated microvessel disruption enhance the effects of radiofrequency ablation on prostate cancer xenografts in nude mice. <i>Molecular Medicine Reports</i> , 2015, 12, 7517-7525.	2.4	7
72	Distinct mRNA and long non-coding RNA expression profiles of decidual natural killer cells in patients with early missed abortion. <i>FASEB Journal</i> , 2020, 34, 14264-14286.	0.5	7

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73	Prediction of Prognosis in Adult Patients With Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 818308.	3.9	7
74	Photothermal Therapy: 1D Coordination Polymer Nanofibers for Low-Temperature Photothermal Therapy ( <i>Adv. Mater.</i> 40/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	5
75	Surgical management of acquired tracheo/bronchoesophageal fistula associated with esophageal diverticulum. <i>Journal of Thoracic Disease</i> , 2017, 9, 3684-3692.	1.4	5
76	Near-Infrared Fluorescent Image-Guided Lymphatic Mapping in Esophageal Squamous Cell Carcinoma. <i>Annals of Surgical Oncology</i> , 2020, 27, 3799-3807.	1.5	5
77	The possibility of endoscopic treatment of cN0 submucosal esophageal cancer: results from a surgical cohort. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 593-601.	2.4	5
78	The diagnostic value of the early extended fetal heart examination at 13 to 14 weeks gestational age in a high-risk population. <i>Translational Pediatrics</i> , 2021, 10, 2907-2920.	1.2	5
79	Impact of unplanned events on early postoperative results of minimally invasive esophagectomy. <i>Thoracic Cancer</i> , 2018, 9, 94-98.	1.9	4
80	Computer-Aided Design of DNA Self-Limited Assembly for Relative Quantification of Membrane Proteins. <i>Analytical Chemistry</i> , 2022, 94, 10263-10270.	6.5	4
81	Roller Bearing Fault Diagnosis Based on Adaptive Sparsest Narrow-Band Decomposition and MMC-FCH. <i>Shock and Vibration</i> , 2019, 2019, 1-17.	0.6	2
82	Dopamine D2 receptors regulate leptin and IL-6 in 3T3 L1 adipocytes (1107.5). <i>FASEB Journal</i> , 2014, 28, 1107.5.	0.5	2
83	Translocation of left inferior lobe pulmonary artery to the pulmonary artery trunk for central type non-small cell lung cancers. <i>Journal of Thoracic Disease</i> , 2016, 8, 826-832.	1.4	1
84	Silica nanoparticle with a single His-tag for addressable functionalization, reversible assembly, and recycling. <i>Nano Research</i> , 2018, 11, 2512-2522.	10.4	1
85	Glandular Papillomas Originating From Posterior Segment of Right Upper Lung Simulating a Mass From Trachea. <i>Annals of Thoracic Surgery</i> , 2014, 97, 2199.	1.3	0
86	Liver Specific Ablation of Integrin Linked Kinase in Mice Results in Enhanced and Prolonged cell proliferation After Phenobarbital Administration. <i>FASEB Journal</i> , 2009, 23, 117.7.	0.5	0
87	Nrf2 mediates the antioxidant effect of DJ-1 in the kidney. <i>FASEB Journal</i> , 2013, 27, 704.10.	0.5	0