

# Ying-jie Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,642  
citations

159585

30  
h-index

189892

50  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016, 28, 8379-8387.	21.0	264
2	Recent advances in delivery of photosensitive metal-based drugs. <i>Coordination Chemistry Reviews</i> , 2019, 387, 154-179.	18.8	136
3	Polymer materials for prevention of postoperative adhesion. <i>Acta Biomaterialia</i> , 2017, 61, 21-40.	8.3	130
4	Breaking the Intracellular Redox Balance with Diselenium Nanoparticles for Maximizing Chemotherapy Efficacy on Patient-Derived Xenograft Models. <i>ACS Nano</i> , 2020, 14, 16984-16996.	14.6	105
5	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. <i>Nature Biomedical Engineering</i> , 2021, 5, 1048-1058.	22.5	96
6	Biodegradable Polymer with Effective Near-Infrared Absorption as a Photothermal Agent for Deep Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, e2105976.	21.0	92
7	The G-Protein-Coupled Bile Acid Receptor Gpbar1 (TGR5) Inhibits Gastric Inflammation Through Antagonizing NF- $\kappa$ B Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2015, 6, 287.	3.5	81
8	Probing and regulating the activity of cellular enzymes by using DNA tetrahedron nanostructures. <i>Chemical Science</i> , 2019, 10, 5959-5966.	7.4	79
9	A Near-Infrared-II Polymer with Tandem Fluorophores Demonstrates Superior Biodegradability for Simultaneous Drug Tracking and Treatment Efficacy Feedback. <i>ACS Nano</i> , 2021, 15, 5428-5438.	14.6	79
10	A Systematic Strategy of Combinational Blow for Overcoming Cascade Drug Resistance via NIR-Light-Triggered Hyperthermia. <i>Advanced Materials</i> , 2021, 33, e2100599.	21.0	78
11	Maximizing Synergistic Activity When Combining RNAi and Platinum-Based Anticancer Agents. <i>Journal of the American Chemical Society</i> , 2017, 139, 3033-3044.	13.7	74
12	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. <i>Nature Communications</i> , 2017, 8, 2166.	12.8	71
13	Quantitative real-time detection of carcinoembryonic antigen (CEA) from pancreatic cyst fluid using 3-D surface molecular imprinting. <i>Analyst</i> , 2016, 141, 4424-4431.	3.5	70
14	Near-Infrared Light Irradiation Induced Mild Hyperthermia Enhances Glutathione Depletion and DNA Interstrand Cross-Link Formation for Efficient Chemotherapy. <i>ACS Nano</i> , 2020, 14, 14831-14845.	14.6	67
15	Microneedles loaded with anti-PD-1 cisplatin nanoparticles for synergistic cancer immuno-chemotherapy. <i>Nanoscale</i> , 2020, 12, 18885-18898.	5.6	67
16	Enhancing the Mechanical Properties of Biodegradable Polymer Blends Using Tubular Nanoparticle Stitching of the Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17565-17573.	8.0	64
17	Combinatorial library of chalcogen-containing lipidoids for intracellular delivery of genome-editing proteins. <i>Biomaterials</i> , 2018, 178, 652-662.	11.4	63
18	Stimuli-responsive composite biopolymer actuators with selective spatial deformation behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14602-14608.	7.1	63

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19	Imparting Designer Biorecognition Functionality to Metal-Organic Frameworks by a DNA-Mediated Surface Engineering Strategy. <i>Small</i> , 2018, 14, e1703812.	10.0	59
20	Recent advances in polymer-based drug delivery systems for local anesthetics. <i>Acta Biomaterialia</i> , 2019, 96, 55-67.	8.3	58
21	Biosafety materials: an emerging new research direction of materials science from the COVID-19 outbreak. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1930-1953.	5.9	55
22	Advances in biodegradable nanomaterials for photothermal therapy of cancer. <i>Cancer Biology and Medicine</i> , 2016, 13, 299-312.	3.0	49
23	Design of a molecular imprinting biosensor with multi-scale roughness for detection across a broad spectrum of biomolecules. <i>Analyst</i> , 2016, 141, 5607-5617.	3.5	47
24	Degradable Pseudo Conjugated Polymer Nanoparticles with NIR-Photothermal Effect and Cationic Quaternary Phosphonium Structural Bacteriostasis for Anti-Infection Therapy. <i>Advanced Science</i> , 2022, 9, e2200732.	11.2	46
25	Protein and mRNA Delivery Enabled by Cholesterol-Based Biodegradable Lipidoid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14957-14964.	13.8	44
26	Hierarchical Micro-Nano Topography Promotes Cell Adhesion and Osteogenic Differentiation via Integrin $\beta$ 2-PI3K-AKT Signaling Axis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 463.	4.1	44
27	Smart multifunctional polyurethane microcapsules for the quick release of anticancer drugs in BGC 823 and HeLa tumor cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9477-9481.	5.8	42
28	A new AIE multi-block polyurethane copolymer material for subcellular microfilament imaging in living cells. <i>Chemical Communications</i> , 2017, 53, 7541-7544.	4.1	38
29	Rational Design of DNA Framework-Based Hybrid Nanomaterials for Anticancer Drug Delivery. <i>Small</i> , 2020, 16, e2002578.	10.0	37
30	Manipulation of cell adhesion and dynamics using RGD functionalized polymers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6307-6316.	5.8	34
31	A two-layer assay for single-nucleotide variants utilizing strand displacement and selective digestion. <i>Biosensors and Bioelectronics</i> , 2016, 82, 248-254.	10.1	31
32	Delivery of platinum (II) drugs with bulky ligands in trans-geometry for overcoming cisplatin drug resistance. <i>Materials Science and Engineering C</i> , 2019, 96, 96-104.	7.3	30
33	A negatively charged Pt(IV) prodrug for electrostatic complexation with polymers to overcome cisplatin resistance. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3346-3350.	5.8	27
34	Hierarchical Therapeutic Ion-Based Microspheres with Precise Ratio-Controlled Delivery as Microscaffolds for In Situ Vascularized Bone Regeneration. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	25
35	A chip-based potentiometric sensor for a Zika virus diagnostic using 3D surface molecular imprinting. <i>Analyst</i> , 2019, 144, 4266-4280.	3.5	23
36	Templated dentin formation by dental pulp stem cells on banded collagen bundles nucleated on electrospun poly (4-vinyl pyridine) fibers in vitro. <i>Acta Biomaterialia</i> , 2018, 76, 80-88.	8.3	22

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37	Nanotechnology assisted photo- and sonodynamic therapy for overcoming drug resistance. <i>Cancer Biology and Medicine</i> , 2021, 18, 388-400.	3.0	21
38	Differences in Nanoparticle Uptake in Transplanted and Autochthonous Models of Pancreatic Cancer. <i>Nano Letters</i> , 2018, 18, 2195-2208.	9.1	20
39	Transient Hybridization Directed Nanoflare for Single-Molecule miRNA Imaging. <i>Analytical Chemistry</i> , 2019, 91, 11122-11128.	6.5	19
40	Differentiation of Dental Pulp Stem Cells on Gutta-Percha Scaffolds. <i>Polymers</i> , 2016, 8, 193.	4.5	18
41	Digestion of Dynamic Substrate by Exonuclease Reveals High Single-Mismatch Selectivity. <i>Analytical Chemistry</i> , 2018, 90, 13655-13662.	6.5	18
42	NIR-emissive PEG-b-TCL micelles for breast tumor imaging and minimally invasive pharmacokinetic analysis. <i>Nanoscale</i> , 2017, 9, 13465-13476.	5.6	17
43	Cupredoxin engineered upconversion nanoparticles for ratiometric luminescence sensing of Cu <sup>2+</sup> . <i>Nanoscale Advances</i> , 2019, 1, 2580-2585.	4.6	17
44	Regulating substrate mechanics to achieve odontogenic differentiation for dental pulp stem cells on TiO <sub>2</sub> filled and unfilled polyisoprene. <i>Acta Biomaterialia</i> , 2019, 89, 60-72.	8.3	17
45	Protein and mRNA Delivery Enabled by Cholesteryl-Based Biodegradable Lipidoid Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, 15067-15074.	2.0	15
46	The synergetic effect of bioactive molecule-loaded electrospun core-shell fibres for reconstruction of critical-sized calvarial bone defect—The effect of synergetic release on bone Formation. <i>Cell Proliferation</i> , 2020, 53, e12796.	5.3	15
47	The Construction of Biomimetic Cementum Through a Combination of Bioskiving and Fluorine-Containing Biomineralization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 341.	4.1	13
48	Spatiotemporally dynamic therapy with shape-adaptive drug-gel for the improvement of tissue regeneration with ordered structure. <i>Bioactive Materials</i> , 2022, 8, 165-176.	15.6	12
49	Roles of Interfacial Tension in Regulating Internal Organization of Low Bandgap Polymer Bulk Heterojunction Solar Cells by Polymer Additives. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800435.	3.7	11
50	Intracellular enzyme-powered DNA circuit with a tunable amplifier for miRNA imaging. <i>Chemical Communications</i> , 2021, 57, 3753-3756.	4.1	11
51	Catalpol modulating the crosstalking between mesenchymal stromal cells and macrophages via paracrine to enhance angiogenesis and osteogenesis. <i>Experimental Cell Research</i> , 2022, 418, 113269.	2.6	7
52	Phototherapy: Metal-Organic Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy ( <i>Adv. Mater.</i> 38/2016). <i>Advanced Materials</i> , 2016, 28, 8318-8318.	21.0	5
53	Effect of Graphene on Differentiation and Mineralization of Dental Pulp Stem Cells in Poly(4-vinylpyridine) Matrix <i>in Vitro</i> . <i>ACS Applied Bio Materials</i> , 2019, 2, 2435-2443.	4.6	5
54	A Rapid and Convenient Approach to Construct Porous Collagen Membranes via Bioskiving and Sonication-Feasible for Mineralization to Induce Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 752506.	4.1	4

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55	Photosensitizer with High Efficiency Generated in Cells via Light-Induced Self-Oligomerization of 4,6-Dibromothiopheno[3,4-b]thiophene Compound Entailing a Triphenyl Phosphonium Group. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100896.	7.6	3
56	Novel characteristics of soluble fibrin: hypercoagulability and acceleration of blood sedimentation rate mediated by its generation of erythrocyte-linked fibers. <i>Cell and Tissue Research</i> , 2022, 387, 479-491.	2.9	2
57	Improving antibacterial performance of dental resin adhesive via co-incorporating fluoride and quaternary ammonium. <i>Journal of Dentistry</i> , 2022, 122, 104156.	4.1	2