Ying-jie Yu

List of Publications by Year
in descending order

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	Spatiotemporally dynamic therapy with shape-adaptive drug-gel for the improvement of tissue regeneration with ordered structure. Bioactive Materials, 2022, 8, 165-176.	15.6	12
2	Biodegradable Polymer with Effective Nearâ€Infraredâ€II Absorption as a Photothermal Agent for Deep Tumor Therapy. Advanced Materials, 2022, 34, e2105976.	21.0	92
3	Degradable Pseudo Conjugated Polymer Nanoparticles with NIRâ€II Photothermal Effect and Cationic Quaternary Phosphonium Structural Bacteriostasis for Antiâ€Infection Therapy. Advanced Science, 2022, 9, e2200732.	11.2	46
4	Hierarchical Therapeutic Ionâ€Based Microspheres with Precise Ratioâ€Controlled Delivery as Microscaffolds for In Situ Vascularized Bone Regeneration. Advanced Functional Materials, 2022, 32, .	14.9	25
5	Novel characteristics of soluble fibrin: hypercoagulability and acceleration of blood sedimentation rate mediated by its generation of erythrocyte-linked fibers. Cell and Tissue Research, 2022, 387, 479-491.	2.9	2
6	Improving antibacterial performance of dental resin adhesive via co-incorporating fluoride and quaternary ammonium. Journal of Dentistry, 2022, 122, 104156.	4.1	2
7	Catalpol modulating the crosstalking between mesenchymal stromal cells and macrophages via paracrine to enhance angiogenesis and osteogenesis. Experimental Cell Research, 2022, 418, 113269.	2.6	7
8	Nanotechnology assisted photo- and sonodynamic therapy for overcoming drug resistance. Cancer Biology and Medicine, 2021, 18, 388-400.	3.0	21
9	Intracellular enzyme-powered DNA circuit with a tunable amplifier for miRNA imaging. Chemical Communications, 2021, 57, 3753-3756.	4.1	11
10	A Near-Infrared-II Polymer with Tandem Fluorophores Demonstrates Superior Biodegradability for Simultaneous Drug Tracking and Treatment Efficacy Feedback. ACS Nano, 2021, 15, 5428-5438.	14.6	79
11	A Systematic Strategy of Combinational Blow for Overcoming Cascade Drug Resistance via NIRâ€Lightâ€Triggered Hyperthermia. Advanced Materials, 2021, 33, e2100599.	21.0	78
12	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. Nature Biomedical Engineering, 2021, 5, 1048-1058.	22.5	96
13	Photosensitizer with High Efficiency Generated in Cells via Lightâ€Induced Selfâ€Oligomerization of 4,6â€Dibromothieno[3,4â€b]thiophene Compound Entailing a Triphenyl Phosphonium Group. Advanced Healthcare Materials, 2021, 10, e2100896.	7.6	3
14	A Rapid and Convenient Approach to Construct Porous Collagen Membranes via Bioskiving and Sonication-Feasible for Mineralization to Induce Bone Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 752506.	4.1	4
15	Rational Design of DNA Frameworkâ€Based Hybrid Nanomaterials for Anticancer Drug Delivery. Small, 2020, 16, e2002578.	10.0	37
16	Near-Infrared Light Irradiation Induced Mild Hyperthermia Enhances Glutathione Depletion and DNA Interstrand Cross-Link Formation for Efficient Chemotherapy. ACS Nano, 2020, 14, 14831-14845.	14.6	67
17	Microneedles loaded with anti-PD-1â€“cisplatin nanoparticles for synergistic cancer immuno-chemotherapy. Nanoscale, 2020, 12, 18885-18898.	5.6	67
18	Breaking the Intracellular Redox Balance with Diselenium Nanoparticles for Maximizing Chemotherapy Efficacy on Patient-Derived Xenograft Models. ACS Nano, 2020, 14, 16984-16996.	14.6	105

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19	Protein and mRNA Delivery Enabled by Cholesterylâ€Based Biodegradable Lipidoid Nanoparticles. Angewandte Chemie - International Edition, 2020, 59, 14957-14964.	13.8	44
20	The Construction of Biomimetic Cementum Through a Combination of Bioskiving and Fluorine-Containing Biomineralization. Frontiers in Bioengineering and Biotechnology, 2020, 8, 341.	4.1	13
21	Biosafety materials: an emerging new research direction of materials science from the COVID-19 outbreak. Materials Chemistry Frontiers, 2020, 4, 1930-1953.	5.9	55
22	Protein and mRNA Delivery Enabled by Cholesterylâ€Based Biodegradable Lipidoid Nanoparticles. Angewandte Chemie, 2020, 132, 15067-15074.	2.0	15
23	Stimuli-responsive composite biopolymer actuators with selective spatial deformation behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14602-14608.	7.1	63
24	Hierarchical Micro-Nano Topography Promotes Cell Adhesion and Osteogenic Differentiation via Integrin Î±2-PI3K-AKT Signaling Axis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 463.	4.1	44
25	The synergetic effect of bioactive moleculeâ€“loaded electrospun coreâ€shell fibres for reconstruction of criticalâ€sized calvarial bone defectâ€”The effect of synergetic release on bone Formation. Cell Proliferation, 2020, 53, e12796.	5.3	15
26	Transient Hybridization Directed Nanoflare for Single-Molecule miRNA Imaging. Analytical Chemistry, 2019, 91, 11122-11128.	6.5	19
27	A chip-based potentiometric sensor for a Zika virus diagnostic using 3D surface molecular imprinting. Analyst, The, 2019, 144, 4266-4280.	3.5	23
28	Recent advances in polymer-based drug delivery systems for local anesthetics. Acta Biomaterialia, 2019, 96, 55-67.	8.3	58
29	Cupredoxin engineered upconversion nanoparticles for ratiometric luminescence sensing of Cu²⁺. Nanoscale Advances, 2019, 1, 2580-2585.	4.6	17
30	Effect of Graphene on Differentiation and Mineralization of Dental Pulp Stem Cells in Poly(4-vinylpyridine) Matrix in Vitro. ACS Applied Bio Materials, 2019, 2, 2435-2443.	4.6	5
31	Probing and regulating the activity of cellular enzymes by using DNA tetrahedron nanostructures. Chemical Science, 2019, 10, 5959-5966.	7.4	79
32	A negatively charged Pt(<scp>iv</scp>) prodrug for electrostatic complexation with polymers to overcome cisplatin resistance. Journal of Materials Chemistry B, 2019, 7, 3346-3350.	5.8	27
33	Regulating substrate mechanics to achieve odontogenic differentiation for dental pulp stem cells on TiO2 filled and unfilled polyisoprene. Acta Biomaterialia, 2019, 89, 60-72.	8.3	17
34	Recent advances in delivery of photosensitive metal-based drugs. Coordination Chemistry Reviews, 2019, 387, 154-179.	18.8	136
35	Delivery of platinum (II) drugs with bulky ligands in trans-geometry for overcoming cisplatin drug resistance. Materials Science and Engineering C, 2019, 96, 96-104.	7.3	30
36	Imparting Designer Biorecognition Functionality to Metalâ€“Organic Frameworks by a DNAâ€Mediated Surface Engineering Strategy. Small, 2018, 14, e1703812.	10.0	59

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37	Combinatorial library of chalcogen-containing lipidoids for intracellular delivery of genome-editing proteins. Biomaterials, 2018, 178, 652-662.	11.4	63
38	Differences in Nanoparticle Uptake in Transplanted and Autochthonous Models of Pancreatic Cancer. Nano Letters, 2018, 18, 2195-2208.	9.1	20
39	Digestion of Dynamic Substrate by Exonuclease Reveals High Single-Mismatch Selectivity. Analytical Chemistry, 2018, 90, 13655-13662.	6.5	18
40	Templated dentin formation by dental pulp stem cells on banded collagen bundles nucleated on electrospun poly (4-vinyl pyridine) fibers in vitro. Acta Biomaterialia, 2018, 76, 80-88.	8.3	22
41	Roles of Interfacial Tension in Regulating Internal Organization of Low Bandgap Polymer Bulk Heterojunction Solar Cells by Polymer Additives. Advanced Materials Interfaces, 2018, 5, 1800435.	3.7	11
42	Maximizing Synergistic Activity When Combining RNAi and Platinum-Based Anticancer Agents. Journal of the American Chemical Society, 2017, 139, 3033-3044.	13.7	74
43	A new AIE multi-block polyurethane copolymer material for subcellular microfilament imaging in living cells. Chemical Communications, 2017, 53, 7541-7544.	4.1	38
44	NIR-emissive PEG-b-TCL micelles for breast tumor imaging and minimally invasive pharmacokinetic analysis. Nanoscale, 2017, 9, 13465-13476.	5.6	17
45	Manipulation of cell adhesion and dynamics using RGD functionalized polymers. Journal of Materials Chemistry B, 2017, 5, 6307-6316.	5.8	34
46	Polymer materials for prevention of postoperative adhesion. Acta Biomaterialia, 2017, 61, 21-40.	8.3	130
47	Smart multifunctional polyurethane microcapsules for the quick release of anticancer drugs in BGC 823 and HeLa tumor cells. Journal of Materials Chemistry B, 2017, 5, 9477-9481.	5.8	42
48	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. Nature Communications, 2017, 8, 2166.	12.8	71
49	Advances in biodegradable nanomaterials for photothermal therapy of cancer. Cancer Biology and Medicine, 2016, 13, 299-312.	3.0	49
50	Differentiation of Dental Pulp Stem Cells on Gutta-Percha Scaffolds. Polymers, 2016, 8, 193.	4.5	18
51	Design of a molecular imprinting biosensor with multi-scale roughness for detection across a broad spectrum of biomolecules. Analyst, The, 2016, 141, 5607-5617.	3.5	47
52	A two-layer assay for single-nucleotide variants utilizing strand displacement and selective digestion. Biosensors and Bioelectronics, 2016, 82, 248-254.	10.1	31
53	Quantitative real-time detection of carcinoembryonic antigen (CEA) from pancreatic cyst fluid using 3-D surface molecular imprinting. Analyst, The, 2016, 141, 4424-4431.	3.5	70
54	Phototherapy: Metalâ€“Organicâ€Frameworkâ€Derived Mesoporous Carbon Nanospheres Containing Porphyrinâ€Like Metal Centers for Conformal Phototherapy (Adv. Mater. 38/2016). Advanced Materials, 2016, 28, 8318-8318.	21.0	5

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55	Metalâ€“Organicâ€Frameworkâ€Derived Mesoporous Carbon Nanospheres Containing Porphyrinâ€Like Metal Centers for Conformal Phototherapy. Advanced Materials, 2016, 28, 8379-8387.	21.0	264
56	Enhancing the Mechanical Properties of Biodegradable Polymer Blends Using Tubular Nanoparticle Stitching of the Interfaces. ACS Applied Materials & Interfaces, 2016, 8, 17565-17573.	8.0	64
57	The G-Protein-Coupled Bile Acid Receptor Gpbar1 (TGR5) Inhibits Gastric Inflammation Through Antagonizing NF-ÎºB Signaling Pathway. Frontiers in Pharmacology, 2015, 6, 287.	3.5	81