

# Zhen Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	5,746 citations	43 h-index	75 g-index
84 ext. papers	7,269 ext. citations	13.5 avg, IF	5.85 L-index

#	Paper	IF	Citations
80	Rational Design of All-Organic Nanoplatfrom for Highly Efficient MR/NIR-II Imaging-Guided Cancer Phototheranostics. <i>Small</i> , <b>2021</b> , 17, e2007566	11	7
79	Biphasic synthesis of biodegradable urchin-like mesoporous organosilica nanoparticles for enhanced cellular internalization and precision cascaded therapy. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2584-2597	7.4	5
78	Oxygen-Evolving Manganese Ferrite Nanovesicles for Hypoxia-Responsive Drug Delivery and Enhanced Cancer Chemoimmunotherapy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008078	15.6	25
77	A hybrid semiconducting organosilica-based O nanoeconomizer for on-demand synergistic photothermally boosted radiotherapy. <i>Nature Communications</i> , <b>2021</b> , 12, 523	17.4	30
76	Phototherapy meets immunotherapy: a win-win strategy to fight against cancer. <i>Nanophotonics</i> , <b>2021</b> , 10, 3229-3245	6.3	11
75	Singlet Oxygen "Afterglow" Therapy with NIR-II Fluorescent Molecules. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103627	24	12
74	Endogenous dual stimuli-activated NO generation in the conventional outflow pathway for precision glaucoma therapy. <i>Biomaterials</i> , <b>2021</b> , 277, 121074	15.6	2
73	Controllable synthesis of versatile mesoporous organosilica nanoparticles as precision cancer theranostics. <i>Biomaterials</i> , <b>2020</b> , 256, 120191	15.6	33
72	Solvent-Assisted Self-Assembly of a Metal-Organic Framework Based Biocatalyst for Cascade Reaction Driven Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6822-6832	16.4	109
71	Rational design of semiconducting polymer brushes as cancer theranostics. <i>Materials Horizons</i> , <b>2020</b> , 7, 1474-1494	14.4	17
70	Small-sized gadolinium oxide based nanoparticles for high-efficiency theranostics of orthotopic glioblastoma. <i>Biomaterials</i> , <b>2020</b> , 235, 119783	15.6	29
69	A Phototheranostic Strategy to Continuously Deliver Singlet Oxygen in the Dark and Hypoxic Tumor Microenvironment. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8918-8923	3.6	9
68	In Situ Polymerized Hollow Mesoporous Organosilica Biocatalysis Nanoreactor for Enhancing ROS-Mediated Anticancer Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907716	15.6	81
67	A Phototheranostic Strategy to Continuously Deliver Singlet Oxygen in the Dark and Hypoxic Tumor Microenvironment. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8833-8838	16.4	70
66	Activating Macrophage-Mediated Cancer Immunotherapy by Genetically Edited Nanoparticles. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004853	24	58
65	Recent Advances in Stimuli-Responsive Platforms for Cancer Immunotherapy. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 2044-2054	24.3	39
64	Burst release of encapsulated annexin A5 in tumours boosts cytotoxic T-cell responses by blocking the phagocytosis of apoptotic cells. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 1102-1116	19	35

63	Precision Cancer Theranostic Platform by In Situ Polymerization in Perylene Diimide-Hybridized Hollow Mesoporous Organosilica Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14687-14698	16.4	74
62	Exceedingly Small Gadolinium Oxide Nanoparticles with Remarkable Relaxivities for Magnetic Resonance Imaging of Tumors. <i>Small</i> , <b>2019</b> , 15, e1903422	11	22
61	Polyphenol-based nanoplatfrom for MRI/PET dual-modality imaging guided effective combination chemotherapy. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5688-5694	7.3	9
60	Tumour microenvironment-responsive semiconducting polymer-based self-assembly nanotheranostics. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 426-433	10.8	64
59	Core-shell metal-organic frameworks with fluorescence switch to trigger an enhanced photodynamic therapy. <i>Theranostics</i> , <b>2019</b> , 9, 2791-2799	12.1	30
58	Self-Assembled Responsive Bilayered Vesicles with Adjustable Oxidative Stress for Enhanced Cancer Imaging and Therapy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8158-8170	16.4	93
57	Self-assembled green tea polyphenol-based coordination nanomaterials to improve chemotherapy efficacy by inhibition of carbonyl reductase 1. <i>Biomaterials</i> , <b>2019</b> , 210, 62-69	15.6	40
56	A small-molecule probe for ratiometric photoacoustic imaging of hydrogen sulfide in living mice. <i>Chemical Communications</i> , <b>2019</b> , 55, 5934-5937	5.8	32
55	Generic synthesis of small-sized hollow mesoporous organosilica nanoparticles for oxygen-independent X-ray-activated synergistic therapy. <i>Nature Communications</i> , <b>2019</b> , 10, 1241	17.4	65
54	In Situ Dendritic Cell Vaccine for Effective Cancer Immunotherapy. <i>ACS Nano</i> , <b>2019</b> , 13, 3083-3094	16.7	97
53	A Logic-Gated Modular Nanovesicle Enables Programmable Drug Release for On-Demand Chemotherapy. <i>Theranostics</i> , <b>2019</b> , 9, 1358-1368	12.1	11
52	Wet/Sono-Chemical Synthesis of Enzymatic Two-Dimensional MnO Nanosheets for Synergistic Catalysis-Enhanced Phototheranostics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900401	24	91
51	A Rationally Designed Semiconducting Polymer Brush for NIR-II Imaging-Guided Light-Triggered Remote Control of CRISPR/Cas9 Genome Editing. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901187	24	65
50	Semiconducting Perylene Diimide Nanostructure: Multifunctional Phototheranostic Nanoplatform. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1245-1254	24.3	90
49	PET imaging of EGFR expression using an F-labeled RNA aptamer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2019</b> , 46, 948-956	8.8	16
48	Organosilica-Based Hollow Mesoporous Bilirubin Nanoparticles for Antioxidation-Activated Self-Protection and Tumor-Specific Deoxygenation-Driven Synergistic Therapy. <i>ACS Nano</i> , <b>2019</b> , 13, 8903-8916	16.7	45
47	Tumor Microenvironment-Activated Ultrasensitive Nanoprobes for Specific Detection of Intratumoral Glutathione by Ratiometric Photoacoustic Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27558-27567	9.5	26
46	In situ polymerization on nanoscale metal-organic frameworks for enhanced physiological stability and stimulus-responsive intracellular drug delivery. <i>Biomaterials</i> , <b>2019</b> , 218, 119365	15.6	44

45	Cooperation of endogenous and exogenous reactive oxygen species induced by zinc peroxide nanoparticles to enhance oxidative stress-based cancer therapy. <i>Theranostics</i> , <b>2019</b> , 9, 7200-7209	12.1	49
44	Ratiometric Photoacoustic Nanoprobe for Bioimaging of Cu. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1917-1923	9.5	21
43	Chemiluminescence-initiated and -enhanced photoisomerization for tissue-depth-independent photo-controlled drug release. <i>Chemical Science</i> , <b>2019</b> , 10, 1401-1409	9.4	22
42	Stimuli-Responsive Nanotheranostics for Real-Time Monitoring Drug Release by Photoacoustic Imaging. <i>Theranostics</i> , <b>2019</b> , 9, 526-536	12.1	75
41	Polyrotaxane-based supramolecular theranostics. <i>Nature Communications</i> , <b>2018</b> , 9, 766	17.4	138
40	Supramolecular Hybrid Material Constructed from Graphene Oxide and Pillar[6]arene-Based Host-Guest Complex as a Ultrasound and Photoacoustic Signals Nanoamplifier. <i>Materials Horizons</i> , <b>2018</b> , 5, 429-435	14.4	46
39	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4902-4906	16.4	654
38	Simultaneous Fenton-like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4996-5000	3.6	125
37	Organic Semiconducting Photoacoustic Nanodroplets for Laser-Activatable Ultrasound Imaging and Combinational Cancer Therapy. <i>ACS Nano</i> , <b>2018</b> , 12, 2610-2622	16.7	145
36	Toxic Reactive Oxygen Species Enhanced Synergistic Combination Therapy by Self-Assembled Metal-Phenolic Network Nanoparticles. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704877	24	211
35	A Single Composition Architecture-Based Nanoprobe for Ratiometric Photoacoustic Imaging of Glutathione (GSH) in Living Mice. <i>Small</i> , <b>2018</b> , 14, e1703400	11	63
34	Hypochlorous Acid Promoted Platinum Drug Chemotherapy by Myeloperoxidase-Encapsulated Therapeutic Metal Phenolic Nanoparticles. <i>ACS Nano</i> , <b>2018</b> , 12, 455-463	16.7	98
33	Photoacoustic Imaging: A Single Composition Architecture-Based Nanoprobe for Ratiometric Photoacoustic Imaging of Glutathione (GSH) in Living Mice (Small 11/2018). <i>Small</i> , <b>2018</b> , 14, 1870046	11	
32	Glutathione-Responsive Self-Assembled Magnetic Gold Nanowreath for Enhanced Tumor Imaging and Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , <b>2018</b> , 12, 8129-8137	16.7	95
31	Acidity/Reducibility Dual-Responsive Hollow Mesoporous Organosilica Nanoplatfoms for Tumor-Specific Self-Assembly and Synergistic Therapy. <i>ACS Nano</i> , <b>2018</b> , 12, 12269-12283	16.7	61
30	Lysosome-Assisted Mitochondrial Targeting Nanoprobe Based on Dye-Modified Upconversion Nanophosphors for Ratiometric Imaging of Mitochondrial Hydrogen Sulfide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39544-39556	9.5	24
29	Fenton-Reaction-Acceleratable Magnetic Nanoparticles for Ferroptosis Therapy of Orthotopic Brain Tumors. <i>ACS Nano</i> , <b>2018</b> , 12, 11355-11365	16.7	256
28	Near-Infrared Semiconducting Polymer Brush and pH/GSH-Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumor-Specific Phototheranostics. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14297-14301	3.6	25

27	Near-Infrared Semiconducting Polymer Brush and pH/GSH-Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumor-Specific Phototheranostics. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14101-14105	16.4	94
26	Activatable Semiconducting Theranostics: Simultaneous Generation and Ratiometric Photoacoustic Imaging of Reactive Oxygen Species In Vivo. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707509	24	133
25	Reaktitelbild: Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy (Angew. Chem. 5/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1446-1446	3.6	1
24	Organic Semiconducting Nanoparticles as Efficient Photoacoustic Agents for Lightning Early Thrombus and Monitoring Thrombolysis in Living Mice. <i>ACS Nano</i> , <b>2017</b> , 11, 3298-3310	16.7	66
23	Activatable Singlet Oxygen Generation from Lipid Hydroperoxide Nanoparticles for Cancer Therapy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6592-6596	3.6	44
22	Activatable Singlet Oxygen Generation from Lipid Hydroperoxide Nanoparticles for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6492-6496	16.4	245
21	Artificial local magnetic field inhomogeneity enhances T relaxivity. <i>Nature Communications</i> , <b>2017</b> , 8, 15468	16.4	87
20	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 5864-5872	16.7	105
19	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8110-8114	16.4	88
18	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8222-8226	3.6	23
17	Rational Design of Branched Nanoporous Gold Nanoshells with Enhanced Physico-Optical Properties for Optical Imaging and Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 6102-6113	16.7	108
16	Impact of Semiconducting Perylene Diimide Nanoparticle Size on Lymph Node Mapping and Cancer Imaging. <i>ACS Nano</i> , <b>2017</b> , 11, 4247-4255	16.7	117
15	Yolk-Shell Nanostructure: An Ideal Architecture to Achieve Harmonious Integration of Magnetic-Plasmonic Hybrid Theranostic Platform. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606681	24	76
14	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1229-1233	16.4	367
13	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1249-1253	3.6	43
12	Self-Assembly of Semiconducting-Plasmonic Gold Nanoparticles with Enhanced Optical Property for Photoacoustic Imaging and Photothermal Therapy. <i>Theranostics</i> , <b>2017</b> , 7, 2177-2185	12.1	65
11	Perylene Diimide-Grafted Polymeric Nanoparticles Chelated with Gd for Photoacoustic/T-Weighted Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30458-30469	9.5	38
10	Transformative Nanomedicine of an Amphiphilic Camptothecin Prodrug for Long Circulation and High Tumor Uptake in Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 8838-8848	16.7	118

9	A water-soluble conjugated polymer with azobenzol side chains based on Turn-on Effect for hypoxic cell imaging. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6890-6894	4.9	9
8	Fluorescent oligo(p-phenyleneethynylene) contained amphiphiles-encapsulated magnetic nanoparticles for targeted magnetic resonance and two-photon optical imaging in vitro and in vivo. <i>Nanoscale</i> , <b>2015</b> , 7, 8907-19	7.7	18
7	Perylene-diimide-based nanoparticles as highly efficient photoacoustic agents for deep brain tumor imaging in living mice. <i>Advanced Materials</i> , <b>2015</b> , 27, 843-7	24	197
6	Morphology-Tunable Fluorescent Nanoparticles: Synthesis, Photophysical Properties and Two-Photon Cell Imaging. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 888-896	4.9	1
5	A Water-soluble Conjugated Polymer for Thiol Detection Based on "Turn-off" Effect. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 881-887	4.9	4
4	A Water-Soluble Conjugated Polymer with Pendant Disulfide Linkages to PEG Chains: A Highly Efficient Ratiometric Probe with Solubility-Induced Fluorescence Conversion for Thiol Detection. <i>Macromolecules</i> , <b>2015</b> , 48, 1017-1025	5.5	30
3	Photoacoustic Imaging: Perylene-Diimide-Based Nanoparticles as Highly Efficient Photoacoustic Agents for Deep Brain Tumor Imaging in Living Mice (Adv. Mater. 5/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 774-774	24	4
2	Homogeneous near-infrared emissive polymeric nanoparticles based on amphiphilic diblock copolymers with perylene diimide and PEG pendants: self-assembly behavior and cellular imaging application. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1372-1380	4.9	39
1	Monodispersed grafted conjugated polyelectrolyte-stabilized magnetic nanoparticles as multifunctional platform for cellular imaging and drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 376-386	7.3	28