

# Fuwu Zhang

## List of Publications by Year in descending order

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77  
papers

6,107  
citations

71061

41  
h-index

74108

75  
g-index

77  
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77  
docs citations

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times ranked

8377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activatable Singlet Oxygen Generation from Lipid Hydroperoxide Nanoparticles for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6492-6496.	7.2	328
2	Efficient Nanovaccine Delivery in Cancer Immunotherapy. <i>ACS Nano</i> , 2017, 11, 2387-2392.	7.3	278
3	Albumin/vaccine nanocomplexes that assemble in vivo for combination cancer immunotherapy. <i>Nature Communications</i> , 2017, 8, 1954.	5.8	237
4	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018, 140, 8005-8019.	6.6	227
5	Tumor-Specific Drug Release and Reactive Oxygen Species Generation for Cancer Chemo/Chemodynamic Combination Therapy. <i>Advanced Science</i> , 2019, 6, 1801986.	5.6	221
6	A discrete organoplatinum(II) metallacage as a multimodality theranostic platform for cancer photochemotherapy. <i>Nature Communications</i> , 2018, 9, 4335.	5.8	197
7	Intertwining DNA-RNA nanocapsules loaded with tumor neoantigens as synergistic nanovaccines for cancer immunotherapy. <i>Nature Communications</i> , 2017, 8, 1482.	5.8	193
8	Smart Nanovesicle-Mediated Immunogenic Cell Death through Tumor Microenvironment Modulation for Effective Photodynamic Immunotherapy. <i>ACS Nano</i> , 2020, 14, 620-631.	7.3	192
9	Polyrotaxane-based supramolecular theranostics. <i>Nature Communications</i> , 2018, 9, 766.	5.8	191
10	Improving Paclitaxel Delivery: <i>In Vitro</i> and <i>In Vivo</i> Characterization of PEGylated Polyphosphoester-Based Nanocarriers. <i>Journal of the American Chemical Society</i> , 2015, 137, 2056-2066.	6.6	176
11	Rapid and Versatile Construction of Diverse and Functional Nanostructures Derived from a Polyphosphoester-Based Biomimetic Block Copolymer System. <i>Journal of the American Chemical Society</i> , 2012, 134, 18467-18474.	6.6	165
12	<i>In Situ</i> Dendritic Cell Vaccine for Effective Cancer Immunotherapy. <i>ACS Nano</i> , 2019, 13, 3083-3094.	7.3	164
13	A Catalase-Like Metal-Organic Framework Nanohybrid for $O_2$ -Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8752-8756.	7.2	154
14	A bi-adjuvant nanovaccine that potentiates immunogenicity of neoantigen for combination immunotherapy of colorectal cancer. <i>Science Advances</i> , 2020, 6, eaaw6071.	4.7	152
15	Microneedle-array patches loaded with dual mineralized protein/peptide particles for type 2 diabetes therapy. <i>Nature Communications</i> , 2017, 8, 1777.	5.8	146
16	Transformative Nanomedicine of an Amphiphilic Camptothecin Prodrug for Long Circulation and High Tumor Uptake in Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 8838-8848.	7.3	144
17	Poly(ethylene oxide)- <i>block</i> -Polyphosphoester- <i>graft</i> -Paclitaxel Conjugates with Acid-Labile Linkages as a pH-Sensitive and Functional Nanoscopic Platform for Paclitaxel Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 441-448.	3.9	129
18	Pillar[5]arene-based amphiphilic supramolecular brush copolymers: fabrication, controllable self-assembly and application in self-imaging targeted drug delivery. <i>Polymer Chemistry</i> , 2016, 7, 6178-6188.	1.9	125

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19	Light-Responsive Biodegradable Nanomedicine Overcomes Multidrug Resistance via NO-Enhanced Chemosensitization. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13804-13811.	4.0	120
20	Hierarchical Tumor Microenvironment-Responsive Nanomedicine for Programmed Delivery of Chemotherapeutics. <i>Advanced Materials</i> , 2018, 30, e1803926.	11.1	119
21	Suppressing Nanoparticle-Mononuclear Phagocyte System Interactions of Two-Dimensional Gold Nanorings for Improved Tumor Accumulation and Photothermal Ablation of Tumors. <i>ACS Nano</i> , 2017, 11, 10539-10548.	7.3	117
22	Polymeric Nanoparticles with a Glutathione-Sensitive Heterodimeric Multifunctional Prodrug for In Vivo Drug Monitoring and Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7066-7070.	7.2	115
23	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8110-8114.	7.2	107
24	Hybrid Nanomedicine Fabricated from Photosensitizer-Terminated Metal-Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxia-Activated Cascade Chemotherapy. <i>Small</i> , 2019, 15, e1804131.	5.2	105
25	Synthesis and <i>In Vivo</i> Pharmacokinetic Evaluation of Degradable Shell Cross-Linked Polymer Nanoparticles with Poly(carboxybetaine) versus Poly(ethylene glycol) Surface-Grafted Coatings. <i>ACS Nano</i> , 2012, 6, 8970-8982.	7.3	98
26	Chemical Design of Both a Glutathione-Sensitive Dimeric Drug Guest and a Glucose-Derived Nanocarrier Host to Achieve Enhanced Osteosarcoma Lung Metastatic Anticancer Selectivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 1438-1446.	6.6	94
27	Preparation and <i>In Vitro</i> Antimicrobial Activity of Silver-Bearing Degradable Polymeric Nanoparticles of Polyphosphoester-Poly( $\epsilon$ -lactide). <i>ACS Nano</i> , 2015, 9, 1995-2008.	7.3	84
28	Silver Nanocluster-Embedded Zein Films as Antimicrobial Coating Materials for Food Packaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35297-35304.	4.0	80
29	Self-Assembly of Semiconducting-Plasmonic Gold Nanoparticles with Enhanced Optical Property for Photoacoustic Imaging and Photothermal Therapy. <i>Theranostics</i> , 2017, 7, 2177-2185.	4.6	79
30	A Simple and Efficient Synthesis of an Acid-Labile Polyphosphoramidate by Organobase-Catalyzed Ring-Opening Polymerization and Transformation to Polyphosphoester Ionomers by Acid Treatment. <i>Macromolecules</i> , 2013, 46, 5141-5149.	2.2	77
31	Croconaine nanoparticles with enhanced tumor accumulation for multimodality cancer theranostics. <i>Biomaterials</i> , 2017, 129, 28-36.	5.7	73
32	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. <i>Advanced Functional Materials</i> , 2013, 23, 1767-1773.	7.8	68
33	Surface Charges and Shell Crosslinks Each Play Significant Roles in Mediating Degradation, Biofouling, Cytotoxicity and Immunotoxicity for Polyphosphoester-based Nanoparticles. <i>Scientific Reports</i> , 2013, 3, 3313.	1.6	63
34	Activatable Singlet Oxygen Generation from Lipid Hydroperoxide Nanoparticles for Cancer Therapy. <i>Angewandte Chemie</i> , 2017, 129, 6592-6596.	1.6	63
35	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. <i>Nanoscale</i> , 2015, 7, 2265-2270.	2.8	62
36	In Situ shRNA Synthesis on DNA-Poly(lactide) Nanoparticles to Treat Multidrug Resistant Breast Cancer. <i>Advanced Materials</i> , 2018, 30, 1705737.	11.1	62

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37	A supramolecular hybrid material constructed from graphene oxide and a pillar[6]arene-based host-guest complex as an ultrasound and photoacoustic signal nanoamplifier. <i>Materials Horizons</i> , 2018, 5, 429-435.	6.4	59
38	Functional sugar-based polymers and nanostructures comprised of degradable poly( $\alpha$ -D-glucose carbonate)s. <i>Polymer Chemistry</i> , 2017, 8, 1699-1707.	1.9	54
39	Tunable mechano-responsive organogels by ring-opening copolymerizations of N-carboxyanhydrides. <i>Chemical Science</i> , 2014, 5, 141-150.	3.7	53
40	Reactive Oxygen Species Activatable Heterodimeric Prodrug as Tumor-Selective Nanotheranostics. <i>ACS Nano</i> , 2020, 14, 16875-16886.	7.3	45
41	Synthesis, Characterization, and In Vivo Efficacy of Shell Cross-Linked Nanoparticle Formulations Carrying Silver Antimicrobials as Aerosolized Therapeutics. <i>ACS Nano</i> , 2013, 7, 4977-4987.	7.3	44
42	Shell crosslinked knedel-like nanoparticles for delivery of cisplatin: effects of crosslinking. <i>Nanoscale</i> , 2013, 5, 3220.	2.8	42
43	A paclitaxel prodrug with bifunctional folate and albumin binding moieties for both passive and active targeted cancer therapy. <i>Theranostics</i> , 2018, 8, 2018-2030.	4.6	39
44	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , 2015, 48, 5621-5631.	2.2	37
45	Zwitterionic-to-cationic charge conversion polyprodrug nanomedicine for enhanced drug delivery. <i>Theranostics</i> , 2020, 10, 6629-6637.	4.6	37
46	Differential immunotoxicities of poly(ethylene glycol)- vs. poly(carboxybetaine)-coated nanoparticles. <i>Journal of Controlled Release</i> , 2013, 172, 641-652.	4.8	34
47	Mapping Sentinel Lymph Node Metastasis by Dual-probe Optical Imaging. <i>Theranostics</i> , 2017, 7, 153-163.	4.6	34
48	A Catalase-Like Metal-Organic Framework Nanohybrid for $O_2$ -Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie</i> , 2019, 131, 8844-8848.	1.6	33
49	Responsive organogels formed by supramolecular self assembly of PEG-block-allyl-functionalized racemic polypeptides into $\beta$ -sheet-driven polymeric ribbons. <i>Soft Matter</i> , 2013, 9, 5951.	1.2	32
50	Multi-responsive hydrogels derived from the self-assembly of tethered allyl-functionalized racemic oligopeptides. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8123-8130.	2.9	32
51	Hierarchical Assembly of Bioactive Amphiphilic Molecule Pairs into Supramolecular Nanofibril Self-Supportive Scaffolds for Stem Cell Differentiation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15027-15034.	6.6	32
52	Redox-responsive dual chemophotothermal therapeutic nanomedicine for imaging-guided combinational therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5362-5367.	2.9	31
53	Polyphosphoester nanoparticles as biodegradable platform for delivery of multiple drugs and siRNA. <i>Drug Design, Development and Therapy</i> , 2017, Volume11, 483-496.	2.0	30
54	Morphologic Design of Silver-Bearing Sugar-Based Polymer Nanoparticles for Uroepithelial Cell Binding and Antimicrobial Delivery. <i>Nano Letters</i> , 2021, 21, 4990-4998.	4.5	28

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55	Polyphosphoramidates That Undergo Acid-Triggered Backbone Degradation. ACS Macro Letters, 2017, 6, 219-223.	2.3	27
56	Holistic Assessment of Covalently Labeled Core-Shell Polymeric Nanoparticles with Fluorescent Contrast Agents for Theranostic Applications. Langmuir, 2014, 30, 631-641.	1.6	25
57	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. Angewandte Chemie, 2017, 129, 8222-8226.	1.6	25
58	Design and development of multifunctional polyphosphoester-based nanoparticles for ultrahigh paclitaxel dual loading. Nanoscale, 2017, 9, 15773-15777.	2.8	25
59	Metal ion assisted interface re-engineering of a ferritin nanocage for enhanced biofunctions and cancer therapy. Nanoscale, 2018, 10, 1135-1144.	2.8	25
60	Responsive Multivesicular Polymeric Nanovaccines that Codeliver STING Agonists and Neoantigens for Combination Tumor Immunotherapy. Advanced Science, 2022, 9, .	5.6	25
61	Polyphosphoester-Based Cationic Nanoparticles Serendipitously Release Integral Biologically Active Components to Serve as Novel Degradable Inducible Nitric Oxide Synthase Inhibitors. Advanced Materials, 2013, 25, 5609-5614.	11.1	24
62	<i>In Situ</i> Production of Ag/Polymer Asymmetric Nanoparticles via a Powerful Light-Driven Technique. Journal of the American Chemical Society, 2019, 141, 19542-19545.	6.6	24
63	Construction of a versatile and functional nanoparticle platform derived from a helical diblock copolypeptide-based biomimetic polymer. Polymer Chemistry, 2014, 5, 3977-3981.	1.9	23
64	Construction of disulfide containing redox-responsive polymeric nanomedicine. Methods, 2022, 199, 67-79.	1.9	23
65	Advances in the polymeric delivery of nucleic acid vaccines. Theranostics, 2022, 12, 4081-4109.	4.6	23
66	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . Molecular Pharmaceutics, 2019, 16, 1606-1619.	2.3	22
67	Exquisite Vesicular Nanomedicine by Paclitaxel Mediated Co-Assembly with Camptothecin Prodrug. Angewandte Chemie - International Edition, 2021, 60, 21033-21039.	7.2	22
68	Converting Red Blood Cells to Efficient Microreactors for Blood Detoxification. Advanced Materials, 2017, 29, 1603673.	11.1	15
69	A Tale of Drug-Carrier Optimization: Controlling Stimuli Sensitivity via Nanoparticle Hydrophobicity through Drug Loading. Nano Letters, 2020, 20, 6563-6571.	4.5	14
70	Isoforms of human O-GlcNAcase show distinct catalytic efficiencies. Biochemistry (Moscow), 2010, 75, 938-943.	0.7	13
71	A novel in vitro metric predicts in vivo efficacy of inhaled silver-based antimicrobials in a murine <i>Pseudomonas aeruginosa</i> pneumonia model. Scientific Reports, 2018, 8, 6376.	1.6	13
72	Polymeric Nanoparticles with a Glutathione-Sensitive Heterodimeric Multifunctional Prodrug for In Vivo Drug Monitoring and Synergistic Cancer Therapy. Angewandte Chemie, 2018, 130, 7184-7188.	1.6	12

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73	Synthesis of biocompatible polymeric nanomaterial dually loaded with paclitaxel and nitric oxide for anti-MDR cancer therapy. RSC Advances, 2016, 6, 105871-105877.	1.7	11
74	Erythrocyte-Membrane-Camouflaged Nanocarriers with Tunable Paclitaxel Release Kinetics via Macromolecular Stereocomplexation. , 2020, 2, 595-601.		9
75	Alkynyl silver modified chitosan and its potential applications in food area. Carbohydrate Polymers, 2021, 254, 117416.	5.1	4
76	Exquisite Vesicular Nanomedicine by Paclitaxel Mediated Co-assembly with Camptothecin Prodrug. Angewandte Chemie, 2021, 133, 21201-21207.	1.6	2
77	Multidrug Resistance: In Situ shRNA Synthesis on DNA-Polylactide Nanoparticles to Treat Multidrug Resistant Breast Cancer (Adv. Mater. 10/2018). Advanced Materials, 2018, 30, 1870064.	11.1	0