

Zhaowei Chen

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.

94
papers

5,697
citations

42
h-index

74
g-index

95
ext. papers

6,934
ext. citations

12.4
avg, IF

6.13
L-index

#	Paper	IF	Citations
94	A multifunctional platinum(IV) and cyanine dye-based polyprodrug for trimodal imaging-guided chemo-phototherapy.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	3
93	Bioorthogonal catalysis for biomedical applications. <i>Trends in Chemistry</i> , 2022 , 4, 157-168	14.8	2
92	Scattered seeding of CAR T cells in solid tumors augments anticancer efficacy.. <i>National Science Review</i> , 2022 , 9, nwab172	10.8	9
91	Flexible patch with printable and antibacterial conductive hydrogel electrodes for accelerated wound healing.. <i>Biomaterials</i> , 2022 , 285, 121479	15.6	6
90	Cellular transformers for targeted therapy. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 114032	18.5	3
89	Roadmap on nanomedicine. <i>Nanotechnology</i> , 2021 , 32, 012001	3.4	5
88	Cytosolic Delivery of Thiolated Mn-cGAMP Nanovaccine to Enhance the Antitumor Immune Responses. <i>Small</i> , 2021 , 17, e2006970	11	8
87	Gaseous Plastron on Natural and Biomimetic Surfaces for Resisting Marine Biofouling. <i>Molecules</i> , 2021 , 26,	4.8	4
86	Bioorthogonal catalytic patch. <i>Nature Nanotechnology</i> , 2021 , 16, 933-941	28.7	30
85	Adipocyte-Derived Anticancer Lipid Droplets. <i>Advanced Materials</i> , 2021 , 33, e2100629	24	7
84	Disrupting tumour vasculature and recruitment of aPDL1-loaded platelets control tumour metastasis. <i>Nature Communications</i> , 2021 , 12, 2773	17.4	13
83	pH and Reduction Dual-Responsive Bi-Drugs Conjugated Dextran Assemblies for Combination Chemotherapy and In Vitro Evaluation. <i>Polymers</i> , 2021 , 13,	4.5	3
82	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7046-7050	16.4	31
81	Nanotechnology lights up the antitumor potency by combining chemotherapy with siRNA. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7302-7317	7.3	5
80	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie</i> , 2021 , 133, 7122-7126	3.6	3
79	Engineered Nanoscale Vanadium Metallodrugs for Robust Tumor-Specific Imaging and Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2010337	15.6	11
78	Topographical nanostructures for physical sterilization. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 1376-1389	6.2	5

77	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. <i>ACS Nano</i> , 2021 , 15, 5201-5208	16.7	7
76	Cancer Therapy: Adipocyte-Derived Anticancer Lipid Droplets (Adv. Mater. 26/2021). <i>Advanced Materials</i> , 2021 , 33, 2170198	24	
75	An Amphiphilic Carbonaceous/Nanosilver Composite-Incorporated Urinary Catheter for Long-Term Combating Bacteria and Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38029-38039	9.5	3
74	Multistage Cooperative Nanodrug Combined with PD-L1 for Enhancing Antitumor Chemoimmunotherapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101199	10.1	3
73	Localized DNA catalytic hairpin assembly reaction on DNA origami for tumor-associated microRNA detection and imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130195	8.5	5
72	Cargo-encapsulated cells for drug delivery. <i>Science China Life Sciences</i> , 2020 , 63, 599-601	8.5	12
71	Transdermal colorimetric patch for hyperglycemia sensing in diabetic mice. <i>Biomaterials</i> , 2020 , 237, 1197826	19.26	32
70	Synthesis Characterization of Platinum (IV) Complex Curcumin Backboned Polyprodrugs: In Vitro Drug Release Anticancer Activity. <i>Polymers</i> , 2020 , 13,	4.5	6
69	Ferric tannate photothermal material for efficient water distillation. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 911-915	4.2	20
68	Local and Targeted Delivery of Immune Checkpoint Blockade Therapeutics. <i>Accounts of Chemical Research</i> , 2020 , 53, 2521-2533	24.3	29
67	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4896-4900	16.4	25
66	Water Treatment: Porphyrin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation (Adv. Mater. Interfaces 11/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970072	4.6	5
65	Porphyryin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900254	4.6	59
64	Bioinspired and Biomimetic Nanomedicines. <i>Accounts of Chemical Research</i> , 2019 , 52, 1255-1264	24.3	80
63	A Therapeutic Microneedle Patch Made from Hair-Derived Keratin for Promoting Hair Regrowth. <i>ACS Nano</i> , 2019 , 13, 4354-4360	16.7	88
62	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie</i> , 2019 , 131, 4950-4954	3.6	8
61	Energy Transfer Induced by Dye Encapsulation in a Hybrid Nanoparticle-Purple Membrane Reversible Assembly. <i>Advanced Functional Materials</i> , 2019 , 29, 1904899	15.6	5
60	Semi-artificial Photosynthetic CO Reduction through Purple Membrane Re-engineering with Semiconductor. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11811-11815	16.4	26

59	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. <i>Science Advances</i> , 2019 , 5, eaaw4357	14.3	62
58	In situ fabrication of organic electrochemical transistors on a microfluidic chip. <i>Nano Research</i> , 2019 , 12, 1943-1951	10	12
57	Advances in nanomedicine for cancer starvation therapy. <i>Theranostics</i> , 2019 , 9, 8026-8047	12.1	73
56	Chinese Ink: A Powerful Photothermal Material for Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801252	4.6	74
55	Solar Steam: Chinese Ink: A Powerful Photothermal Material for Solar Steam Generation (Adv. Mater. Interfaces 1/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970002	4.6	10
54	Enzyme Mimicry for Combating Bacteria and Biofilms. <i>Accounts of Chemical Research</i> , 2018 , 51, 789-799	24.3	216
53	DNA metallization: principles, methods, structures, and applications. <i>Chemical Society Reviews</i> , 2018 , 47, 4017-4072	58.5	108
52	Core-Shell Microneedle Gel for Self-Regulated Insulin Delivery. <i>ACS Nano</i> , 2018 , 12, 2466-2473	16.7	132
51	Leveraging Engineering of Cells for Drug Delivery. <i>Accounts of Chemical Research</i> , 2018 , 51, 668-677	24.3	77
50	Synthetic beta cells for fusion-mediated dynamic insulin secretion. <i>Nature Chemical Biology</i> , 2018 , 14, 86-93	11.7	110
49	Engineering PD-1-Presenting Platelets for Cancer Immunotherapy. <i>Nano Letters</i> , 2018 , 18, 5716-5725	11.5	113
48	Biomimetic nanoflowers by self-assembly of nanozymes to induce intracellular oxidative damage against hypoxic tumors. <i>Nature Communications</i> , 2018 , 9, 3334	17.4	308
47	Atomic layer deposition for membrane interface engineering. <i>Nanoscale</i> , 2018 , 10, 20505-20513	7.7	53
46	Graphitic carbon nitride nanosheets as a multifunctional nanoplatform for photochemical internalization-enhanced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7908-7915	7.3	22
45	Intracellular gold nanoclusters boost energy conversion. <i>Nature Nanotechnology</i> , 2018 , 13, 880-881	28.7	12
44	Iono-Elastomer-Based Wearable Strain Sensor with Real-Time Thermomechanical Dual Response. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32435-32443	9.5	21
43	An intelligent near-infrared light activatable nanosystem for accurate regulation of zinc signaling in living cells. <i>Nano Research</i> , 2017 , 10, 3068-3076	10	7
42	A NIR-controlled cage mimicking system for hydrophobic drug mediated cancer therapy. <i>Biomaterials</i> , 2017 , 139, 151-162	15.6	72

41	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017 , 17, 2138-2145	11.5	109
40	KO of 5-InsP kinase activity transforms the HCT116 colon cancer cell line into a hypermetabolic, growth-inhibited phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11968-11973	11.5	39
39	Confinement of Reactive Oxygen Species in an Artificial-Enzyme-Based Hollow Structure To Eliminate Adverse Effects of Photocatalysis on UV Filters. <i>Chemistry - A European Journal</i> , 2017 , 23, 13518-13524	11.8	12
38	Investigation and intervention of autophagy to guide cancer treatment with nanogels. <i>Nanoscale</i> , 2017 , 9, 150-163	7.7	27
37	Activation of biologically relevant levels of reactive oxygen species by Au/g-CN hybrid nanozyme for bacteria killing and wound disinfection. <i>Biomaterials</i> , 2017 , 113, 145-157	15.6	234
36	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. <i>Advanced Materials</i> , 2016 , 28, 9573-9580	24	147
35	Metal-Organic-Framework-Based Vaccine Platforms for Enhanced Systemic Immune and Memory Response. <i>Advanced Functional Materials</i> , 2016 , 26, 6454-6461	15.6	152
34	Platinum-coordinated graphitic carbon nitride nanosheet used for targeted inhibition of amyloid β peptide aggregation. <i>Nano Research</i> , 2016 , 9, 2411-2423	10	28
33	Bioorthogonal chemistry for selective recognition, separation and killing bacteria over mammalian cells. <i>Chemical Communications</i> , 2016 , 52, 3482-5	5.8	4
32	A graphitic hollow carbon nitride nanosphere as a novel photochemical internalization agent for targeted and stimuli-responsive cancer therapy. <i>Nanoscale</i> , 2016 , 8, 12570-8	7.7	71
31	Design of Surface-Active Artificial Enzyme Particles to Stabilize Pickering Emulsions for High-Performance Biphasic Biocatalysis. <i>Advanced Materials</i> , 2016 , 28, 1682-8	24	105
30	An ultrathin graphitic carbon nitride nanosheet: a novel inhibitor of metal-induced amyloid aggregation associated with Alzheimer's disease. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4072-4075	7.3	23
29	Bacterial Hyaluronidase Self-Triggered Prodrug Release for Chemo-Photothermal Synergistic Treatment of Bacterial Infection. <i>Small</i> , 2016 , 12, 6200-6206	11	150
28	Embedding magnetic nanoparticles into coordination polymers to mimic zinc ion transporters for targeted tumor therapy. <i>Chemical Communications</i> , 2016 , 52, 12598-12601	5.8	9
27	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10732-6	16.4	134
26	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. <i>Angewandte Chemie</i> , 2016 , 128, 10890-10894	3.6	24
25	Copper(II)-Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 11639-11643	3.6	79
24	Copper(II)-Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11467-71	16.4	282

23	Individual surface-engineered microorganisms as robust Pickering interfacial biocatalysts for resistance-minimized phase-transfer bioconversion. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4904-8	16.4	86
22	Visible-light-driven enhanced antibacterial and biofilm elimination activity of graphitic carbon nitride by embedded Ag nanoparticles. <i>Nano Research</i> , 2015 , 8, 1648-1658	10	155
21	Growth of hydrophilic CuS nanowires via DNA-mediated self-assembly process and their use in fabricating smart hybrid films for adjustable chemical release. <i>Chemistry - A European Journal</i> , 2015 , 21, 2930-5	4.8	7
20	Biomimetic nanoassembly for targeted antigen delivery and enhanced Th1-type immune response. <i>Chemical Communications</i> , 2015 , 51, 15975-8	5.8	12
19	Recent advances in bioapplications of C-dots. <i>Carbon</i> , 2015 , 85, 309-327	10.4	280
18	Upconversion nanoprobe for efficiently in vitro imaging reactive oxygen species and in vivo diagnosing rheumatoid arthritis. <i>Biomaterials</i> , 2015 , 39, 15-22	15.6	86
17	Near-infrared absorbing mesoporous carbon nanoparticle as an intelligent drug carrier for dual-triggered synergistic cancer therapy. <i>Carbon</i> , 2015 , 82, 479-488	10.4	74
16	Individual Surface-Engineered Microorganisms as Robust Pickering Interfacial Biocatalysts for Resistance-Minimized Phase-Transfer Bioconversion. <i>Angewandte Chemie</i> , 2015 , 127, 4986-4990	3.6	20
15	Transmutation of Personal Glucose Meters into Portable and Highly Sensitive Microbial Pathogen Detection Platform. <i>Small</i> , 2015 , 11, 4970-5	11	44
14	Hybridization chain reaction engineered dsDNA for Cu metallization: an enzyme-free platform for amplified detection of cancer cells and microRNAs. <i>Chemical Communications</i> , 2015 , 51, 11496-9	5.8	62
13	Noninvasive and Reversible Cell Adhesion and Detachment via Single-Wavelength Near-Infrared Laser Mediated Photoisomerization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8199-205	16.4	91
12	Ionic liquid-assisted synthesis of multicolor luminescent silica nanodots and their use as anticounterfeiting ink. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2905-11	9.5	23
11	DNA-mediated construction of hollow upconversion nanoparticles for protein harvesting and near-infrared light triggered release. <i>Advanced Materials</i> , 2014 , 26, 2424-30	24	99
10	DNA-mediated biomineralization of rare-earth nanoparticles for simultaneous imaging and stimuli-responsive drug delivery. <i>Biomaterials</i> , 2014 , 35, 8694-702	15.6	43
9	A multi-stimuli responsive gold nanocage-hyaluronic platform for targeted photothermal and chemotherapy. <i>Biomaterials</i> , 2014 , 35, 9678-88	15.6	149
8	Upconverting nanoparticles with a mesoporous TiO ₂ shell for near-infrared-triggered drug delivery and synergistic targeted cancer therapy. <i>Chemistry - A European Journal</i> , 2014 , 20, 14012-7	4.8	72
7	Light controlled reversible inversion of nanophosphor-stabilized Pickering emulsions for biphasic enantioselective biocatalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7498-504	16.4	190
6	A Multi-synergistic Platform for Sequential Irradiation-Activated High-Performance Apoptotic Cancer Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 522-529	15.6	72

5	Coupling exonuclease III with DNA metallization for amplified detection of biothiols at picomolar concentration. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 214-8	11.8	10
4	Biomineralization inspired surface engineering of nanocarriers for pH-responsive, targeted drug delivery. <i>Biomaterials</i> , 2013 , 34, 1364-71	15.6	104
3	Bioresponsive hyaluronic acid-capped mesoporous silica nanoparticles for targeted drug delivery. <i>Chemistry - A European Journal</i> , 2013 , 19, 1778-83	4.8	132
2	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. <i>Biomaterials</i> , 2013 , 34, 2600-10	15.6	177
1	Silver metallization engineered conformational switch of G-quadruplex for fluorescence turn-on detection of biothiols. <i>Chemical Communications</i> , 2012 , 48, 11428-30	5.8	34