

Wei Zeng

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115
papers

4,361
citations

29
h-index

64
g-index

118
ext. papers

5,249
ext. citations

7.5
avg, IF

5.78
L-index

#	Paper	IF	Citations
115	Fiber-based wearable electronics: a review of materials, fabrication, devices, and applications. <i>Advanced Materials</i> , 2014 , 26, 5310-36	24	1376
114	Highly durable all-fiber nanogenerator for mechanical energy harvesting. <i>Energy and Environmental Science</i> , 2013 , 6, 2631	35.4	261
113	Dendritic Fe ₃ O ₄ @Poly(dopamine)@PAMAM Nanocomposite as Controllable NO-Releasing Material: A Synergistic Photothermal and NO Antibacterial Study. <i>Advanced Functional Materials</i> , 2018 , 28, 1707440	15.6	162
112	Functional Self-Assembling Peptide Nanofiber Hydrogels Designed for Nerve Degeneration. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2348-59	9.5	134
111	High stretchable MWNTs/polyurethane conductive nanocomposites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7274		133
110	A star-shaped porphyrin-arginine functionalized poly(L-lysine) copolymer for photo-enhanced drug and gene co-delivery. <i>Biomaterials</i> , 2014 , 35, 4357-67	15.6	132
109	Star-shaped cyclodextrin-poly(L-lysine) derivative co-delivering docetaxel and MMP-9 siRNA plasmid in cancer therapy. <i>Biomaterials</i> , 2014 , 35, 3865-72	15.6	95
108	A Fully Verified Theoretical Analysis of Contact-Mode Triboelectric Nanogenerators as a Wearable Power Source. <i>Advanced Energy Materials</i> , 2016 , 6, 1600505	21.8	89
107	A polyamidoamine dendrimer functionalized graphene oxide for DOX and MMP-9 shRNA plasmid co-delivery. <i>Materials Science and Engineering C</i> , 2017 , 70, 572-585	8.3	74
106	Preparation and properties of PLGA nanofiber membranes reinforced with cellulose nanocrystals. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 132, 177-84	6	72
105	NIR-Laser-Controlled Hydrogen-Releasing PdH Nanohydride for Synergistic Hydrogen-Photothermal Antibacterial and Wound-Healing Therapies. <i>Advanced Functional Materials</i> , 2019 , 29, 1905697	15.6	69
104	Star-Shaped Amphiphilic Hyperbranched Polyglycerol Conjugated with Dendritic Poly(L-lysine) for the Codelivery of Docetaxel and MMP-9 siRNA in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12609-19	9.5	68
103	Therapeutic efficacy of antibiotic-loaded gelatin microsphere/silk fibroin scaffolds in infected full-thickness burns. <i>Acta Biomaterialia</i> , 2014 , 10, 3167-76	10.8	66
102	Defect-engineered reduced graphene oxide sheets with high electric conductivity and controlled thermal conductivity for soft and flexible wearable thermoelectric generators. <i>Nano Energy</i> , 2018 , 54, 163-174	17.1	64
101	Blood Compatibility Evaluations of Fluorescent Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19153-62	9.5	62
100	In vitro and in vivo evaluation of a novel collagen/cellulose nanocrystals scaffold for achieving the sustained release of basic fibroblast growth factor. <i>Journal of Biomaterials Applications</i> , 2015 , 29, 882-93 ^{2.9}		61
99	Injectable supramolecular hydrogel formed from β -cyclodextrin and PEGylated arginine-functionalized poly(L-lysine) dendron for sustained MMP-9 shRNA plasmid delivery. <i>Acta Biomaterialia</i> , 2017 , 49, 456-471	10.8	58

98	Light-Triggered Biomimetic Nanoerythrocyte for Tumor-Targeted Lung Metastatic Combination Therapy of Malignant Melanoma. <i>Small</i> , 2018 , 14, e1801754	11	58
97	Microenvironment-Driven Cascaded Responsive Hybrid Carbon Dots as a Multifunctional Theranostic Nanoplatfrom for Imaging-Traceable Gene Precise Delivery. <i>Chemistry of Materials</i> , 2018 , 30, 3438-3453	9.6	51
96	Quantifying Energy Harvested from Contact-Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units. <i>Advanced Energy Materials</i> , 2017 , 7, 1601569	21.8	51
95	Highly Flexible, Large-Area, and Facile Textile-Based Hybrid Nanogenerator with Cascaded Piezoelectric and Triboelectric Units for Mechanical Energy Harvesting. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800016	6.8	47
94	Preparation of carbon aerogels with different pore structures and their fixed bed adsorption properties for dye removal. <i>Dyes and Pigments</i> , 2012 , 95, 689-694	4.6	41
93	Three-dimensional printing of shape memory hydrogels with internal structure for drug delivery. <i>Materials Science and Engineering C</i> , 2018 , 84, 44-51	8.3	41
92	Investigation on the electrical response behaviors of multiwalled carbon nanotube/polyurethane composite in organic solvent vapors. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 330-337	8.5	39
91	Synthesis, characterisation and preliminary investigation of the haemocompatibility of polyethyleneimine-grafted carboxymethyl chitosan for gene delivery. <i>Materials Science and Engineering C</i> , 2016 , 62, 173-82	8.3	34
90	Triptolide inhibits osteoclast formation, bone resorption, RANKL-mediated NF- κ B activation and titanium particle-induced osteolysis in a mouse model. <i>Molecular and Cellular Endocrinology</i> , 2015 , 399, 346-53	4.4	31
89	The emerging roles of hnRNPK. <i>Journal of Cellular Physiology</i> , 2020 , 235, 1995-2008	7	31
88	Hyaluronic acid-containing ethosomes as a potential carrier for transdermal drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 323-329	6	31
87	Hyperbranched polyglycerol conjugated fluorescent carbon dots with improved in vitro toxicity and red blood cell compatibility for bioimaging. <i>RSC Advances</i> , 2017 , 7, 4975-4982	3.7	29
86	Enhanced cutaneous wound healing by functional injectable thermo-sensitive chitosan-based hydrogel encapsulated human umbilical cord-mesenchymal stem cells. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 433-441	7.9	29
85	Worm-Like Biomimetic Nanoerythrocyte Carrying siRNA for Melanoma Gene Therapy. <i>Small</i> , 2018 , 14, e1803002	11	29
84	Combined Chemo-photothermal Antitumor Therapy Using Molybdenum Disulfide Modified with Hyperbranched Polyglycidyl. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2325-2335	5.5	28
83	Supramolecular Aggregate as a High-Efficiency Gene Carrier Mediated with Optimized Assembly Structure. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29343-29355	9.5	27
82	Effect of poly(amidoamine) dendrimers on the structure and activity of immune molecules. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 419-25	4	25
81	Cell Penetrating Peptide-Based Redox-Sensitive Vaccine Delivery System for Subcutaneous Vaccination. <i>Molecular Pharmaceutics</i> , 2018 , 15, 975-984	5.6	25

80	Chitosan-graft-Poly(L-lysine) Dendron-Assisted Facile Self-Assembly of Au Nanoclusters for Enhanced X-ray Computer Tomography Imaging and Precise MMP-9 Plasmid shRNA Delivery. <i>Chemistry of Materials</i> , 2019 , 31, 3992-4007	9.6	24
79	Dextran methacrylate hydrogel microneedles loaded with doxorubicin and trametinib for continuous transdermal administration of melanoma. <i>Carbohydrate Polymers</i> , 2020 , 246, 116650	10.3	23
78	Study on poly(D,L-lactic) microspheres embedded in calcium alginate hydrogel beads as dual drug delivery systems. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 767-772	2.9	23
77	Thermo-sensitive hydrogel PLGA-PEG-PLGA as a vaccine delivery system for intramuscular immunization. <i>Journal of Biomaterials Applications</i> , 2017 , 31, 923-932	2.9	22
76	Redox poly(ethylene glycol)-b-poly(L-lactide) micelles containing diselenide bonds for effective drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 234	4.5	22
75	Self-sensitized polymeric prodrug co-delivering MMP-9 shRNA plasmid for combined treatment of tumors. <i>Acta Biomaterialia</i> , 2018 , 69, 277-289	10.8	22
74	Surface modification of electrospun nanofibrous scaffolds via polysaccharide-protein assembly multilayer for neurite outgrowth. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13187		22
73	Biocompatible hyperbranched polyglycerol modified β -cyclodextrin derivatives for docetaxel delivery. <i>Materials Science and Engineering C</i> , 2017 , 71, 965-972	8.3	20
72	Conductive polymer composites as gas sensors with size-related molecular discrimination capability. <i>Sensors and Actuators B: Chemical</i> , 2007 , 124, 118-126	8.5	19
71	Hemostasis mechanism and applications of N-alkylated chitosan sponge. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1107-1114	3.2	18
70	Effects of poly(amidoamine) dendrimers on the structure and function of key blood components. <i>Journal of Bioactive and Compatible Polymers</i> , 2014 , 29, 165-179	2	18
69	pH Sensitive phosphorylated chitosan hydrogel as vaccine delivery system for intramuscular immunization. <i>Journal of Biomaterials Applications</i> , 2017 , 31, 1358-1369	2.9	17
68	Nasal delivery of nerve growth factor rescue hypogonadism by up-regulating GnRH and testosterone in aging male mice. <i>EBioMedicine</i> , 2018 , 35, 295-306	8.8	17
67	Highly Stretchable Conductive Polymer Compositing with Carbon Nanotubes and Nanospheres. <i>Advanced Materials Research</i> , 2010 , 123-125, 109-112	0.5	17
66	Polyethylenimine-Modified Fluorescent Carbon Dots As Vaccine Delivery System for Intranasal Immunization. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 142-150	5.5	17
65	Ultrathin PEDOT:PSS/rGO Aerogel Providing Tape-Like Self-Healable Electrode for Sensing Space Electric Field with Electrochemical Mechanism. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900637	6.4	16
64	Novel carboxymethyl chitosan-graphene oxide hybrid particles for drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 169	4.5	15
63	Biocompatibility and cellular uptake mechanisms of poly(N-isopropylacrylamide) in different cells. <i>Journal of Bioactive and Compatible Polymers</i> , 2017 , 32, 17-31	2	14

62	Controlled Release of BMP-2 from a Heparin-Conjugated Strontium-Substituted Nanohydroxyapatite/Silk Fibroin Scaffold for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3291-3303	5.5	14
61	Liquid Crystalline Epoxies with Lateral Substituents Showing a Low Dielectric Constant and High Thermal Conductivity. <i>Journal of Electronic Materials</i> , 2017 , 46, 982-991	1.9	13
60	Chitosan derivatives co-delivering nitric oxide and methicillin for the effective therapy to the methicillin-resistant <i>S. aureus</i> infection. <i>Carbohydrate Polymers</i> , 2020 , 234, 115928	10.3	13
59	Tumor-Penetrating Peptide-Functionalized Redox-Responsive Hyperbranched Poly(amido amine) Delivering siRNA for Lung Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 988-996	5.5	13
58	Effect of tannic acid on blood components and functions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 184, 110505	6	13
57	Fabrication and characterization of carboxymethyl chitosan/poly(vinyl alcohol) hydrogels containing alginate microspheres for protein delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2015 , 30, 397-411	2	13
56	Advanced biomimetic nanoreactor for specifically killing tumor cells through multi-enzyme cascade. <i>Theranostics</i> , 2020 , 10, 6245-6260	12.1	12
55	Fabrication of conducting polypyrrole/ β -cyclodextrin nano- and micro-spheres using molecular templates. <i>RSC Advances</i> , 2012 , 2, 4675	3.7	12
54	Hemocompatibility evaluation in vitro of methoxy polyethyleneglycol-polycaprolactone copolymer solutions. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 802-812	5.4	12
53	A targeted nanocarrier based on polyspermine for the effective delivery of methotrexate in nasopharyngeal carcinoma. <i>Materials Science and Engineering C</i> , 2017 , 81, 48-56	8.3	11
52	Polyethylenimine-Induced Alterations of Red Blood Cells and Their Recognition by the Complement System and Macrophages. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 139-147	5.5	11
51	Multifunctional Parachute-like Nanomotors for Enhanced Skin Penetration and Synergistic Antifungal Therapy. <i>ACS Nano</i> , 2021 , 15, 14218-14228	16.7	11
50	Cell Membrane Fusion for Engineered Tumor Cells by Worm-like Nanocell Mimics. <i>ACS Nano</i> , 2020 , 14, 7462-7474	16.7	10
49	Effective ion pathways and 3D conductive carbon networks in bentonite host enable stable and high-rate lithium-sulfur batteries. <i>Nanotechnology Reviews</i> , 2021 , 10, 20-33	6.3	10
48	Wearable self-powered human motion sensors based on highly stretchable quasi-solid state hydrogel. <i>Nano Energy</i> , 2021 , 88, 106272	17.1	10
47	Role of charge-reversal in the hemo/immuno-compatibility of polycationic gene delivery systems. <i>Acta Biomaterialia</i> , 2019 , 96, 436-455	10.8	9
46	Alginate hydrogel sphere improves the alkali and heat resistances of isothiazolinones with long-term antibacterial activity. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1554-1561	2.9	9
45	Fluorinated Redox-Responsive Poly(amidoamine) as a Vaccine Delivery System for Antitumor Immunotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 644-653	5.5	9

44	Piezocatalytic Foam for Highly Efficient Degradation of Aqueous Organics. <i>Small Science</i> , 2021 , 1, 2000011	9	9
43	Injectable Adhesive Self-Healing Multiple-Dynamic-Bond Crosslinked Hydrogel with Photothermal Antibacterial Activity for Infected Wound Healing. <i>Chemistry of Materials</i> , 2022 , 34, 2655-2671	9.6	9
42	A chemotherapeutic self-sensitized drug carrier delivering paclitaxel for the enhanced chemotherapy to human breast MDA-MB-231 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 902-909	6.9	8
41	Protein kinase C delta null mice exhibit structural alterations in articular surface, intra-articular and subchondral compartments. <i>Arthritis Research and Therapy</i> , 2015 , 17, 210	5.7	8
40	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. <i>Journal of Materials Science</i> , 2007 , 42, 4575-4580	4.3	8
39	Evaluation of N-phosphonium chitosan as a novel vaccine carrier for intramuscular immunization. <i>Journal of Biomaterials Applications</i> , 2017 , 32, 677-685	2.9	7
38	Synthesis of N-alkylated chitosan and its interactions with blood. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 544-550	6.1	7
37	Gold nanorod-assisted near-infrared stimulation of bullfrog sciatic nerve. <i>Lasers in Medical Science</i> , 2018 , 33, 1907-1912	3.1	7
36	Size controlling of monodisperse carboxymethyl cellulose microparticles via a microfluidic process. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	7
35	Cross-linked branched polyethylenimine used as a nitric oxide donor for prolonged nitric oxide release. <i>Materials Science and Engineering C</i> , 2017 , 81, 492-499	8.3	7
34	A Colon-Targeted Oral Probiotics Delivery System Using an Enzyme-Triggered Fuse-Like Microcapsule. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001953	10.1	7
33	High-resolution study of the 3D collagen fibrillary matrix of Achilles tendons without tissue labelling and dehydrating. <i>Journal of Microscopy</i> , 2017 , 266, 273-287	1.9	6
32	Effect of cyclodextrins on the structure and functions of blood components in vitro. <i>Journal of Bioactive and Compatible Polymers</i> , 2015 , 30, 541-554	2	6
31	A Testis-Derived Hydrogel as an Efficient Feeder-Free Culture Platform to Promote Mouse Spermatogonial Stem Cell Proliferation and Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 250	5.7	6
30	Fabrication of carbon nanotube nanocomposites via layer-by-layer assembly and evaluation in biomedical application. <i>Nanomedicine</i> , 2016 , 11, 3087-3101	5.6	6
29	Redox-responsive chemosensitive polyspermine delivers ursolic acid targeting to human breast tumor cells: The depletion of intracellular GSH contents arouses chemosensitizing effects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 293-302	6	6
28	Redox-Responsive Biodegradable Polycation Poly(amido amine) Used As Intranasal Vaccine Delivery Systems. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2420-2430	5.5	5
27	Metal-Phenolic Network-Encapsulated Nanovaccine with pH and Reduction Dual Responsiveness for Enhanced Cancer Immunotherapy. <i>Molecular Pharmaceutics</i> , 2020 , 17, 4603-4615	5.6	5

26	The Hippo in the room: Targeting the Hippo signalling pathway for osteosarcoma therapies. <i>Journal of Cellular Physiology</i> , 2021 , 236, 1606-1615	7	5
25	Interaction of Polyethyleneimines with Fibrinogen and Erythrocyte Membrane. <i>Soft Materials</i> , 2014 , 12, 138-148	1.7	4
24	Microstructural characteristics and crystallization behaviors of poly(l-lactide) scaffolds by thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	4
23	Biodegradable Hollow Polydopamine@manganese Dioxide as an Oxygen Self-Supplied Nanoplatfom for Boosting Chemo-photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57009-57022	9.5	4
22	Complex aggregates formed with a hyperbranched polyglycerol derivative for drug delivery. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	4
21	Blood compatibility evaluations of poly(ethylene glycol)-poly(lactic acid) copolymers. <i>Journal of Biomaterials Applications</i> , 2016 , 30, 1485-93	2.9	4
20	Codelivery of epigallocatechin-3-gallate and diallyl trisulfide by near-infrared light-responsive mesoporous polydopamine nanoparticles for enhanced antitumor efficacy. <i>International Journal of Pharmaceutics</i> , 2021 , 592, 120020	6.5	4
19	Glucose-sensitive and blood-compatible nanogels for insulin controlled release. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	3
18	Biomimetic Ca-P Coatings on Polyacrylic Acid Modified Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) Films. <i>Soft Materials</i> , 2013 , 11, 448-456	1.7	3
17	Gas sensing conductive composites capable of size-dependent molecular discrimination and screening. <i>Smart Materials and Structures</i> , 2007 , 16, 1171-1178	3.4	3
16	Facile synthesis of copper selenides with different stoichiometric compositions and their thermoelectric performance at a low temperature range.. <i>RSC Advances</i> , 2021 , 11, 25955-25960	3.7	3
15	Biomimetic magnetofluorescent ferritin nanoclusters for magnetic resonance and fluorescence-dual modal imaging and targeted tumor therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2494-2504	7.3	3
14	Multisize CoS Particles Intercalated/Coated-Montmorillonite as Efficient Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2021 ,	8.3	2
13	Evaluation of anticancer activity of honokiol by complexation with hydroxypropyl-β-cyclodextrin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111298	6	2
12	A 4-plex Droplet Digital PCR Method for Simultaneous Quantification and Differentiation of Pathogenic and Non-pathogenic Based on Single Intact Cells. <i>Frontiers in Microbiology</i> , 2020 , 11, 1727	5.7	2
11	Ionic Thermoelectric Effect Inducing Cation-Enriched Surface of Hydrogel to Enhance Output Performance of Triboelectric Nanogenerator. <i>Energy Technology</i> , 2200070	3.5	2
10	Flexible film-based thermoelectric generators. <i>MRS Advances</i> , 2019 , 4, 1691-1697	0.7	1
9	Glucose-sensitive nanogel for controlled release of insulin and its blood safety. <i>Journal of Controlled Release</i> , 2015 , 213, e28	11.7	1

8	New insight into lignin aggregation guiding efficient synthesis and functionalization of a lignin nanosphere with excellent performance. <i>Green Chemistry</i> , 2022 , 24, 285-294	10	1
7	TMPyP-bound guanosine-borate supramolecular hydrogel as smart hemoperfusion device with real-time visualized/electrochemical bi-modal monitoring for selective blood lead elimination. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113230	11.8	1
6	Double Network Hydrogel Sensors with High Sensitivity in Large Strain Range. <i>Macromolecular Materials and Engineering</i> , 2100486	3.9	1
5	Host-Guest Interaction-Based Dual response core/shell nanoparticles as efficient siRNA carrier for killing breast cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111918	6	1
4	Light-activated nitric-oxide overproduction theranostic nanoplatform based on long-circulating biomimetic nanoerythrocyte for enhanced cancer gas therapy. <i>Science China Chemistry</i> , 2021 , 64, 1796	7.9	0
3	Mechanisms for Fiber-based Nanogenerators 2015 , 487-511		
2	Mechanisms for Fiber-Based Nanogenerators 2015 , 1-20		
1	Artificial Nanoplatelets Depend on Size for Precisely Inducing Thrombosis in Tumor Vessels.. <i>Small Methods</i> , 2022 , e2101474	12.8	