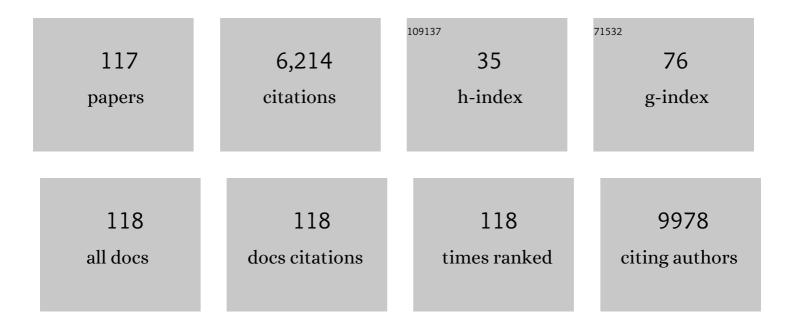
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fiberâ€Based Wearable Electronics: A Review of Materials, Fabrication, Devices, and Applications. Advanced Materials, 2014, 26, 5310-5336.	11.1	1,689
2	Highly durable all-fiber nanogenerator for mechanical energy harvesting. Energy and Environmental Science, 2013, 6, 2631.	15.6	317
3	Dendritic Fe ₃ O ₄ @Poly(dopamine)@PAMAM Nanocomposite as Controllable NOâ€Releasing Material: A Synergistic Photothermal and NO Antibacterial Study. Advanced Functional Materials, 2018, 28, 1707440.	7.8	246
4	Functional Self-Assembling Peptide Nanofiber Hydrogels Designed for Nerve Degeneration. ACS Applied Materials & Interfaces, 2016, 8, 2348-2359.	4.0	180
5	A Fully Verified Theoretical Analysis of Contactâ€Mode Triboelectric Nanogenerators as a Wearable Power Source. Advanced Energy Materials, 2016, 6, 1600505.	10.2	148
6	High stretchable MWNTs/polyurethane conductive nanocomposites. Journal of Materials Chemistry, 2011, 21, 7274.	6.7	143
7	A star-shaped porphyrin-arginine functionalized poly(l-lysine) copolymer for photo-enhanced drug and gene co-delivery. Biomaterials, 2014, 35, 4357-4367.	5.7	143
8	NIR‣aserâ€Controlled Hydrogenâ€Releasing PdH Nanohydride for Synergistic Hydrogenâ€Photothermal Antibacterial and Woundâ€Healing Therapies. Advanced Functional Materials, 2019, 29, 1905697.	7.8	141
9	Star-shaped cyclodextrin-poly(l-lysine) derivative co-delivering docetaxel and MMP-9 siRNA plasmid in cancer therapy. Biomaterials, 2014, 35, 3865-3872.	5.7	106
10	Defect-engineered reduced graphene oxide sheets with high electric conductivity and controlled thermal conductivity for soft and flexible wearable thermoelectric generators. Nano Energy, 2018, 54, 163-174.	8.2	94
11	Preparation and properties of PLGA nanofiber membranes reinforced with cellulose nanocrystals. Colloids and Surfaces B: Biointerfaces, 2015, 132, 177-184.	2.5	91
12	A polyamidoamne dendrimer functionalized graphene oxide for DOX and MMP-9 shRNA plasmid co-delivery. Materials Science and Engineering C, 2017, 70, 572-585.	3.8	91
13	Lightâ€Triggered Biomimetic Nanoerythrocyte for Tumorâ€Targeted Lung Metastatic Combination Therapy of Malignant Melanoma. Small, 2018, 14, e1801754.	5.2	89
14	The emerging roles of hnRNPK. Journal of Cellular Physiology, 2020, 235, 1995-2008.	2.0	85
15	Star-Shaped Amphiphilic Hyperbranched Polyglycerol Conjugated with Dendritic Poly(<scp>I</scp> -lysine) for the Codelivery of Docetaxel and MMP-9 siRNA in Cancer Therapy. ACS Applied Materials & Interfaces, 2016, 8, 12609-12619.	4.0	82
16	Therapeutic efficacy of antibiotic-loaded gelatin microsphere/silk fibroin scaffolds in infected full-thickness burns. Acta Biomaterialia, 2014, 10, 3167-3176.	4.1	81
17	Blood Compatibility Evaluations of Fluorescent Carbon Dots. ACS Applied Materials & Interfaces, 2015, 7, 19153-19162.	4.0	79
18	Highly Flexible, Largeâ€Area, and Facile Textileâ€Based Hybrid Nanogenerator with Cascaded Piezoelectric and Triboelectric Units for Mechanical Energy Harvesting. Advanced Materials Technologies, 2018, 3, 1800016.	3.0	79

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19	Dextran methacrylate hydrogel microneedles loaded with doxorubicin and trametinib for continuous transdermal administration of melanoma. Carbohydrate Polymers, 2020, 246, 116650.	5.1	72
20	<i>InÂvitro and inÂvivo</i> evaluation of a novel collagen/cellulose nanocrystals scaffold for achieving the sustained release of basic fibroblast growth factor. Journal of Biomaterials Applications, 2015, 29, 882-893.	1.2	71
21	Injectable supramolecular hydrogel formed from α-cyclodextrin and PEGylated arginine-functionalized poly(I-lysine) dendron for sustained MMP-9 shRNA plasmid delivery. Acta Biomaterialia, 2017, 49, 456-471.	4.1	70
22	Quantifying Energy Harvested from Contactâ€Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units. Advanced Energy Materials, 2017, 7, 1601569.	10.2	69
23	Three-dimensional printing of shape memory hydrogels with internal structure for drug delivery. Materials Science and Engineering C, 2018, 84, 44-51.	3.8	69
24	Microenvironment-Driven Cascaded Responsive Hybrid Carbon Dots as a Multifunctional Theranostic Nanoplatform for Imaging-Traceable Gene Precise Delivery. Chemistry of Materials, 2018, 30, 3438-3453.	3.2	68
25	Injectable Adhesive Self-Healing Multiple-Dynamic-Bond Crosslinked Hydrogel with Photothermal Antibacterial Activity for Infected Wound Healing. Chemistry of Materials, 2022, 34, 2655-2671.	3.2	67
26	Wearable self-powered human motion sensors based on highly stretchable quasi-solid state hydrogel. Nano Energy, 2021, 88, 106272.	8.2	58
27	Enhanced cutaneous wound healing by functional injectable thermo-sensitive chitosan-based hydrogel encapsulated human umbilical cord-mesenchymal stem cells. International Journal of Biological Macromolecules, 2019, 137, 433-441.	3.6	54
28	Preparation of carbon aerogels with different pore structures and their fixed bed adsorption properties for dye removal. Dyes and Pigments, 2012, 95, 689-694.	2.0	46
29	Hyaluronic acid-containing ethosomes as a potential carrier for transdermal drug delivery. Colloids and Surfaces B: Biointerfaces, 2018, 172, 323-329.	2.5	45
30	Multifunctional Parachute-like Nanomotors for Enhanced Skin Penetration and Synergistic Antifungal Therapy. ACS Nano, 2021, 15, 14218-14228.	7.3	45
31	Investigation on the electrical response behaviors of multiwalled carbon nanotube/polyurethane composite in organic solvent vapors. Sensors and Actuators B: Chemical, 2012, 166-167, 330-337.	4.0	43
32	Synthesis, characterisation and preliminary investigation of the haemocompatibility of polyethyleneimine-grafted carboxymethyl chitosan for gene delivery. Materials Science and Engineering C, 2016, 62, 173-182.	3.8	43
33	Hemostasis mechanism and applications of N-alkylated chitosan sponge. Polymers for Advanced Technologies, 2017, 28, 1107-1114.	1.6	41
34	Wormâ€Like Biomimetic Nanoerythrocyte Carrying siRNA for Melanoma Gene Therapy. Small, 2018, 14, e1803002.	5.2	41
35	Near-infrared laser-controlled nitric oxide-releasing gold nanostar/hollow polydopamine Janus nanoparticles for synergistic elimination of methicillin-resistant Staphylococcus aureus and wound healing. Acta Biomaterialia, 2022, 143, 428-444.	4.1	39
36	Triptolide inhibits osteoclast formation, bone resorption, RANKL-mediated NF-Ò̀›B activation and titanium particle-induced osteolysis in a mouse model. Molecular and Cellular Endocrinology, 2015, 399, 346-353.	1.6	37

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37	Hyperbranched polyglycerol conjugated fluorescent carbon dots with improved in vitro toxicity and red blood cell compatibility for bioimaging. RSC Advances, 2017, 7, 4975-4982.	1.7	37
38	New insight into lignin aggregation guiding efficient synthesis and functionalization of a lignin nanosphere with excellent performance. Green Chemistry, 2022, 24, 285-294.	4.6	36
39	Cell Penetrating Peptide-Based Redox-Sensitive Vaccine Delivery System for Subcutaneous Vaccination. Molecular Pharmaceutics, 2018, 15, 975-984.	2.3	35
40	Combined Chemo-photothermal Antitumor Therapy Using Molybdenum Disulfide Modified with Hyperbranched Polyglycidyl. ACS Biomaterials Science and Engineering, 2017, 3, 2325-2335.	2.6	34
41	Thermo-sensitive hydrogel PLGA-PEG-PLGA as a vaccine delivery system for intramuscular immunization. Journal of Biomaterials Applications, 2017, 31, 923-932.	1.2	33
42	Redox poly(ethylene glycol)-b-poly(l-lactide) micelles containing diselenide bonds for effective drug delivery. Journal of Materials Science: Materials in Medicine, 2015, 26, 234.	1.7	32
43	Chitosan- <i>graft</i> -Poly(<scp>l</scp> -lysine) Dendron-Assisted Facile Self-Assembly of Au Nanoclusters for Enhanced X-ray Computer Tomography Imaging and Precise MMP-9 Plasmid shRNA Delivery. Chemistry of Materials, 2019, 31, 3992-4007.	3.2	32
44	Piezocatalytic Foam for Highly Efficient Degradation of Aqueous Organics. Small Science, 2021, 1, 2000011.	5.8	32
45	Effect of poly(amidoamine) dendrimers on the structure and activity of immune molecules. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 419-425.	1.1	31
46	Biodegradable Hollow Polydopamine@manganese Dioxide as an Oxygen Self-Supplied Nanoplatform for Boosting Chemo-photodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2021, 13, 57009-57022.	4.0	31
47	Polyethylenimine-Modified Fluorescent Carbon Dots As Vaccine Delivery System for Intranasal Immunization. ACS Biomaterials Science and Engineering, 2018, 4, 142-150.	2.6	30
48	Chitosan derivatives co-delivering nitric oxide and methicillin for the effective therapy to the methicillin-resistant S. aureus infection. Carbohydrate Polymers, 2020, 234, 115928.	5.1	30
49	Effect of tannic acid on blood components and functions. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110505.	2.5	29
50	Supramolecular Aggregate as a High-Efficiency Gene Carrier Mediated with Optimized Assembly Structure. ACS Applied Materials & Interfaces, 2016, 8, 29343-29355.	4.0	28
51	Surface modification of electrospun nanofibrous scaffolds via polysaccharide–protein assembly multilayer for neurite outgrowth. Journal of Materials Chemistry, 2012, 22, 13187.	6.7	27
52	pH Sensitive phosphorylated chitosan hydrogel as vaccine delivery system for intramuscular immunization. Journal of Biomaterials Applications, 2017, 31, 1358-1369.	1.2	27
53	Biocompatible hyperbranched polyglycerol modified β-cyclodextrin derivatives for docetaxel delivery. Materials Science and Engineering C, 2017, 71, 965-972.	3.8	27
54	Self-sensibilized polymeric prodrug co-delivering MMP-9 shRNA plasmid for combined treatment of tumors. Acta Biomaterialia, 2018, 69, 277-289.	4.1	27

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55	Nasal delivery of nerve growth factor rescue hypogonadism by up-regulating GnRH and testosterone in aging male mice. EBioMedicine, 2018, 35, 295-306.	2.7	27
56	Study on poly(<scp>D,L</scp> â€lactic) microspheres embedded in calcium alginate hydrogel beads as dual drug delivery systems. Journal of Applied Polymer Science, 2013, 129, 767-772.	1.3	25
57	Liquid Crystalline Epoxies with Lateral Substituents Showing a Low Dielectric Constant and High Thermal Conductivity. Journal of Electronic Materials, 2017, 46, 982-991.	1.0	25
58	Controlled Release of BMP-2 from a Heparin-Conjugated Strontium-Substituted Nanohydroxyapatite/Silk Fibroin Scaffold for Bone Regeneration. ACS Biomaterials Science and Engineering, 2018, 4, 3291-3303.	2.6	25
59	Metal–Phenolic Network-Encapsulated Nanovaccine with pH and Reduction Dual Responsiveness for Enhanced Cancer Immunotherapy. Molecular Pharmaceutics, 2020, 17, 4603-4615.	2.3	24
60	Advanced biomimetic nanoreactor for specifically killing tumor cells through multi-enzyme cascade. Theranostics, 2020, 10, 6245-6260.	4.6	24
61	Double Network Hydrogel Sensors with High Sensitivity in Large Strain Range. Macromolecular Materials and Engineering, 2021, 306, 2100486.	1.7	23
62	Biocompatibility and cellular uptake mechanisms of poly(<i>N</i> -isopropylacrylamide) in different cells. Journal of Bioactive and Compatible Polymers, 2017, 32, 17-31.	0.8	22
63	A Colonâ€Targeted Oral Probiotics Delivery System Using an Enzymeâ€Triggered Fuseâ€Like Microcapsule. Advanced Healthcare Materials, 2021, 10, e2001953.	3.9	22
64	Highly Stretchable Conductive Polymer Composited with Carbon Nanotubes and Nanospheres. Advanced Materials Research, 2010, 123-125, 109-112.	0.3	20
65	Tumor-Penetrating Peptide-Functionalized Redox-Responsive Hyperbranched Poly(amido amine) Delivering siRNA for Lung Cancer Therapy. ACS Biomaterials Science and Engineering, 2018, 4, 988-996.	2.6	20
66	A Testis-Derived Hydrogel as an Efficient Feeder-Free Culture Platform to Promote Mouse Spermatogonial Stem Cell Proliferation and Differentiation. Frontiers in Cell and Developmental Biology, 2020, 8, 250.	1.8	20
67	Conductive polymer composites as gas sensors with size-related molecular discrimination capability. Sensors and Actuators B: Chemical, 2007, 124, 118-126.	4.0	19
68	Effects of poly(amidoamine) dendrimers on the structure and function of key blood components. Journal of Bioactive and Compatible Polymers, 2014, 29, 165-179.	0.8	19
69	Ultrathin PEDOT:PSS/rGO Aerogel Providing Tapeâ€Like Selfâ€Healable Electrode for Sensing Space Electric Field with Electrochemical Mechanism. Advanced Electronic Materials, 2019, 5, 1900637.	2.6	19
70	Effective ion pathways and 3D conductive carbon networks in bentonite host enable stable and high-rate lithium–sulfur batteries. Nanotechnology Reviews, 2021, 10, 20-33.	2.6	19
71	Fabrication and characterization of carboxymethyl chitosan/poly(vinyl alcohol) hydrogels containing alginate microspheres for protein delivery. Journal of Bioactive and Compatible Polymers, 2015, 30, 397-411.	0.8	17
72	Novel carboxymethyl chitosan-graphene oxide hybrid particles for drug delivery. Journal of Materials Science: Materials in Medicine, 2016, 27, 169.	1.7	17

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73	The Hippo in the room: Targeting the Hippo signalling pathway for osteosarcoma therapies. Journal of Cellular Physiology, 2021, 236, 1606-1615.	2.0	16
74	Multisize CoS ₂ Particles Intercalated/Coatedâ€Montmorillonite as Efficient Sulfur Host for Highâ€Performance Lithiumâ€Sulfur Batteries. ChemSusChem, 2022, 15, .	3.6	16
75	Role of charge-reversal in the hemo/immuno-compatibility of polycationic gene delivery systems. Acta Biomaterialia, 2019, 96, 436-455.	4.1	15
76	<i>In Situ</i> Cell Membrane Fusion for Engineered Tumor Cells by Worm-like Nanocell Mimics. ACS Nano, 2020, 14, 7462-7474.	7.3	15
77	Codelivery of epigallocatechin-3-gallate and diallyl trisulfide by near-infrared light-responsive mesoporous polydopamine nanoparticles for enhanced antitumor efficacy. International Journal of Pharmaceutics, 2021, 592, 120020.	2.6	14
78	Flexible thermoelectric generator with high Seebeck coefficients made from polymer composites and heat-sink fabrics. Communications Materials, 2022, 3, .	2.9	14
79	Fabrication of conducting polypyrrole/l²-cyclodextrin nano- and micro-spheres using molecular templates. RSC Advances, 2012, 2, 4675.	1.7	13
80	Protein kinase C delta null mice exhibit structural alterations in articular surface, intra-articular and subchondral compartments. Arthritis Research and Therapy, 2015, 17, 210.	1.6	13
81	Polyethylenimine-Induced Alterations of Red Blood Cells and Their Recognition by the Complement System and Macrophages. ACS Biomaterials Science and Engineering, 2015, 1, 139-147.	2.6	13
82	Hemocompatibility evaluation <i>in vitro</i> of methoxy polyethyleneglycol–polycaprolactone copolymer solutions. Journal of Biomedical Materials Research - Part A, 2016, 104, 802-812.	2.1	13
83	Evaluation of N-phosphonium chitosan as a novel vaccine carrier for intramuscular immunization. Journal of Biomaterials Applications, 2017, 32, 677-685.	1.2	13
84	A chemotherapeutic self-sensibilized drug carrier delivering paclitaxel for the enhanced chemotherapy to human breast MDA-MB-231 cells. Colloids and Surfaces B: Biointerfaces, 2019, 181, 902-909.	2.5	13
85	Facile synthesis of copper selenides with different stoichiometric compositions and their thermoelectric performance at a low temperature range. RSC Advances, 2021, 11, 25955-25960.	1.7	13
86	Biomimetic magnetofluorescent ferritin nanoclusters for magnetic resonance and fluorescence-dual modal imaging and targeted tumor therapy. Journal of Materials Chemistry B, 2021, 9, 2494-2504.	2.9	13
87	Light-activated nitric-oxide overproduction theranostic nanoplatform based on long-circulating biomimetic nanoerythrocyte for enhanced cancer gas therapy. Science China Chemistry, 2021, 64, 1796-1810.	4.2	13
88	Synthesis of N-alkylated chitosan and its interactions with blood. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 544-550.	1.9	12
89	A targeted nanocarrier based on polyspermine for the effective delivery of methotrexate in nasopharyngeal carcinoma. Materials Science and Engineering C, 2017, 81, 48-56.	3.8	11
90	Fluorinated Redox-Responsive Poly(amidoamine) as a Vaccine Delivery System for Antitumor Immunotherapy. ACS Biomaterials Science and Engineering, 2019, 5, 644-653.	2.6	11

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91	Evaluation of anticancer activity of honokiol by complexation with hydroxypropyl-β-cyclodextrin. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111298.	2.5	11
92	A 4-plex Droplet Digital PCR Method for Simultaneous Quantification and Differentiation of Pathogenic and Non-pathogenic Vibrio parahaemolyticus Based on Single Intact Cells. Frontiers in Microbiology, 2020, 11, 1727.	1.5	11
93	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. Journal of Materials Science, 2007, 42, 4575-4580.	1.7	10
94	Ionic Thermoelectric Effect Inducing Cationâ€Enriched Surface of Hydrogel to Enhance Output Performance of Triboelectric Nanogenerator. Energy Technology, 2022, 10, .	1.8	10
95	Alginate hydrogel sphere improves the alkali and heat resistances of isothiazolinones with longâ€ŧerm antibacterial activity. Journal of Applied Polymer Science, 2013, 130, 1554-1561.	1.3	9
96	Microstructural characteristics and crystallization behaviors of poly(<scp>l</scp> â€lactide) scaffolds by thermally induced phase separation. Journal of Applied Polymer Science, 2014, 131, .	1.3	9
97	Cross-linked branched polyethylenimine used as a nitric oxide donor for prolonged nitric oxide release. Materials Science and Engineering C, 2017, 81, 492-499.	3.8	9
98	Gold nanorod-assisted near-infrared stimulation of bullfrog sciatic nerve. Lasers in Medical Science, 2018, 33, 1907-1912.	1.0	9
99	Size controlling of monodisperse carboxymethyl cellulose microparticles via a microfluidic process. Journal of Applied Polymer Science, 2014, 131, .	1.3	8
100	Effect of cyclodextrins on the structure and functions of blood components in vitro. Journal of Bioactive and Compatible Polymers, 2015, 30, 541-554.	0.8	8
101	Redox-Responsive Biodegradable Polycation Poly(amido amine) Used As Intranasal Vaccine Delivery Systems. ACS Biomaterials Science and Engineering, 2017, 3, 2420-2430.	2.6	8
102	Fabrication of carbon nanotube nanocomposites via layer-by-layer assembly and evaluation in biomedical application. Nanomedicine, 2016, 11, 3087-3101.	1.7	7
103	Glucoseâ€sensitive and bloodâ€compatible nanogels for insulin controlled release. Journal of Applied Polymer Science, 2016, 133, .	1.3	7
104	Redox-responsive chemosensitive polyspermine delivers ursolic acid targeting to human breast tumor cells: The depletion of intracellular GSH contents arouses chemosensitizing effects. Colloids and Surfaces B: Biointerfaces, 2018, 170, 293-302.	2.5	7
105	Host-Guest Interaction-Based Dual response core/shell nanoparticles as efficient siRNA carrier for killing breast cancer cells. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111918.	2.5	7
106	Highâ€resolution study of the 3D collagen fibrillary matrix of Achilles tendons without tissue labelling and dehydrating. Journal of Microscopy, 2017, 266, 273-287.	0.8	6
107	Interaction of Polyethyleneimines with Fibrinogen and Erythrocyte Membrane. Soft Materials, 2014, 12, 138-148.	0.8	5
108	Complex aggregates formed with a hyperbranched polyglycerol derivative for drug delivery. Journal of Applied Polymer Science, 2016, 133, .	1.3	5

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109	Blood compatibility evaluations of poly(ethylene glycol)–poly(lactic acid) copolymers. Journal of Biomaterials Applications, 2016, 30, 1485-1493.	1.2	5
110	Gas sensing conductive composites capable of size-dependent molecular discrimination and screening. Smart Materials and Structures, 2007, 16, 1171-1178.	1.8	3
111	Biomimetic Ca-P Coatings on Polyacrylic Acid Modified Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) Films. Soft Materials, 2013, 11, 448-456.	0.8	3
112	Flexible film-based thermoelectric generators. MRS Advances, 2019, 4, 1691-1697.	0.5	3
113	TMPyP-bound guanosine-borate supramolecular hydrogel as smart hemoperfusion device with real-time visualized/electrochemical bi-modal monitoring for selective blood lead elimination. Biosensors and Bioelectronics, 2021, 184, 113230.	5.3	3
114	Artificial Nanoplatelets Depend on Size for Precisely Inducing Thrombosis in Tumor Vessels. Small Methods, 2022, 6, e2101474.	4.6	2
115	Glucose-sensitive nanogel for controlled release of insulin and its blood safety. Journal of Controlled Release, 2015, 213, e28.	4.8	1
116	Mechanisms for Fiber-based Nanogenerators. , 2015, , 487-511.		0
117	Mechanisms for Fiber-Based Nanogenerators. , 2015, , 1-20.		Ο