

Jian Ji

List of Publications by Year in descending order

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348
papers

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10956

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21474

114
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354
all docs

354
docs citations

354
times ranked

20409
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
2	Mussel-Inspired Polydopamine: A Biocompatible and Ultrastable Coating for Nanoparticles <i>in Vivo</i> . ACS Nano, 2013, 7, 9384-9395.	7.3	549
3	Surface-Adaptive Gold Nanoparticles with Effective Adherence and Enhanced Photothermal Ablation of Methicillin-Resistant <i>Staphylococcus aureus</i> Biofilm. ACS Nano, 2017, 11, 9330-9339.	7.3	462
4	Construction of anti-adhesive and antibacterial multilayer films via layer-by-layer assembly of heparin and chitosan. Biomaterials, 2005, 26, 6684-6692.	5.7	426
5	CuSO ₄ /H ₂ O ₂ -Induced Rapid Deposition of Polydopamine Coatings with High Uniformity and Enhanced Stability. Angewandte Chemie - International Edition, 2016, 55, 3054-3057.	7.2	403
6	Surface Charge Switchable Supramolecular Nanocarriers for Nitric Oxide Synergistic Photodynamic Eradication of Biofilms. ACS Nano, 2020, 14, 347-359.	7.3	321
7	Enhanced Retention and Cellular Uptake of Nanoparticles in Tumors by Controlling Their Aggregation Behavior. ACS Nano, 2013, 7, 6244-6257.	7.3	309
8	In situ endothelialization of intravascular stents coated with an anti-CD34 antibody functionalized heparin-collagen multilayer. Biomaterials, 2010, 31, 4017-4025.	5.7	215
9	Size and Charge Adaptive Clustered Nanoparticles Targeting the Biofilm Microenvironment for Chronic Lung Infection Management. ACS Nano, 2020, 14, 5686-5699.	7.3	199
10	Construction of antibacterial multilayer films containing nanosilver via layer-by-layer assembly of heparin and chitosan-silver ions complex. Journal of Biomedical Materials Research - Part A, 2006, 79A, 665-674.	2.1	197
11	Nitric oxide as an all-rounder for enhanced photodynamic therapy: Hypoxia relief, glutathione depletion and reactive nitrogen species generation. Biomaterials, 2018, 187, 55-65.	5.7	191
12	Surface and Size Effects on Cell Interaction of Gold Nanoparticles with Both Phagocytic and Nonphagocytic Cells. Langmuir, 2013, 29, 9138-9148.	1.6	183
13	Electropolymerization of dopamine for surface modification of complex-shaped cardiovascular stents. Biomaterials, 2014, 35, 7679-7689.	5.7	183
14	Construction of nanomaterials with targeting phototherapy properties to inhibit resistant bacteria and biofilm infections. Chemical Engineering Journal, 2019, 358, 74-90.	6.6	170
15	Surface engineering of cardiovascular stent with endothelial cell selectivity for <i>in vivo</i> re-endothelialisation. Biomaterials, 2013, 34, 2588-2599.	5.7	168
16	Dual Enzymatic Reaction-Assisted Gemcitabine Delivery Systems for Programmed Pancreatic Cancer Therapy. ACS Nano, 2017, 11, 1281-1291.	7.3	160
17	Fabrication of a Superhydrophobic Surface from the Amplified Exponential Growth of a Multilayer. Advanced Materials, 2006, 18, 1441-1444.	11.1	159
18	Rational Design of Cancer Nanomedicine for Simultaneous Stealth Surface and Enhanced Cellular Uptake. ACS Nano, 2019, 13, 954-977.	7.3	156

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19	Metformin-Induced Stromal Depletion to Enhance the Penetration of Gemcitabine-Loaded Magnetic Nanoparticles for Pancreatic Cancer Targeted Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 4944-4954.	6.6	153
20	Polyphenol-Assisted Exfoliation of Transition Metal Dichalcogenides into Nanosheets as Photothermal Nanocarriers for Enhanced Antibiofilm Activity. <i>ACS Nano</i> , 2018, 12, 12347-12356.	7.3	147
21	Layer-by-Layer Assembled Healable Antifouling Films. <i>Advanced Materials</i> , 2015, 27, 5882-5888.	11.1	145
22	Synthesis of Near-Infrared Responsive Gold Nanorod/PNIPAAm Core/Shell Nanohybrids via Surface Initiated ATRP for Smart Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2008, 29, 645-650.	2.0	133
23	Construction and enzymatic degradation of multilayered poly-L-lysine/DNA films. <i>Biomaterials</i> , 2006, 27, 1152-1159.	5.7	131
24	Novel biomimetic polymersomes as polymer therapeutics for drug delivery. <i>Journal of Controlled Release</i> , 2005, 107, 502-512.	4.8	130
25	Fluorescence detection of alkaline phosphatase activity with β -cyclodextrin-modified quantum dots. <i>Chemical Communications</i> , 2010, 46, 7166.	2.2	130
26	Asymmetric Free-Standing Film with Multifunctional Anti-Bacterial and Self-Cleaning Properties. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4476-4483.	4.0	129
27	Zwitterionic drug nanocarriers: A biomimetic strategy for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 124, 80-86.	2.5	128
28	Synergistic Chemotherapy and Photodynamic Therapy of Endophthalmitis Mediated by Zeolitic Imidazolate Framework-Based Drug Delivery Systems. <i>Small</i> , 2019, 15, e1903880.	5.2	122
29	Construction of Degradable Multilayer Films for Enhanced Antibacterial Properties. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4136-4143.	4.0	117
30	$\text{CuSO}_4/\text{H}_2\text{O}$ -Induced Rapid Deposition of Polydopamine Coatings with High Uniformity and Enhanced Stability. <i>Angewandte Chemie</i> , 2016, 128, 3106-3109.	1.6	117
31	Dopamine-Triggered One-Step Polymerization and Codeposition of Acrylate Monomers for Functional Coatings. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34356-34366.	4.0	114
32	Photo-responsive, biocompatible polymeric micelles self-assembled from hyperbranched polyphosphate-based polymers. <i>Polymer Chemistry</i> , 2011, 2, 1389.	1.9	112
33	IR-780 Loaded Phospholipid Mimicking Homopolymeric Micelles for Near-IR Imaging and Photothermal Therapy of Pancreatic Cancer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6852-6858.	4.0	111
34	Albumin and fibrinogen adsorption on PU-PHEMA surfaces. <i>Biomaterials</i> , 2003, 24, 2067-2076.	5.7	110
35	Combining 3D Printing with Electrospinning for Rapid Response and Enhanced Designability of Hydrogel Actuators. <i>Advanced Functional Materials</i> , 2018, 28, 1800514.	7.8	108
36	Constructing thromboresistant surface on biomedical stainless steel via layer-by-layer deposition anticoagulant. <i>Biomaterials</i> , 2003, 24, 4699-4705.	5.7	106

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37	Zwitterionic phosphorylcholine as a better ligand for gold nanorods cell uptake and selective photothermal ablation of cancer cells. <i>Chemical Communications</i> , 2010, 46, 1479.	2.2	106
38	pH-Amplified Exponential Growth Multilayers: A Facile Method to Develop Hierarchical Micro- and Nanostructured Surfaces. <i>Langmuir</i> , 2009, 25, 672-675.	1.6	105
39	Fast and long-acting antibacterial properties of chitosan-Ag/polyvinylpyrrolidone nanocomposite films. <i>Carbohydrate Polymers</i> , 2012, 90, 8-15.	5.1	105
40	Zwitterionic Phosphorylcholine-TPE Conjugate for pH-Responsive Drug Delivery and AIE Active Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21185-21192.	4.0	105
41	3-Bromopyruvate-Conjugated Nanoplatfrom-Induced Pro-Death Autophagy for Enhanced Photodynamic Therapy against Hypoxic Tumor. <i>ACS Nano</i> , 2020, 14, 9711-9727.	7.3	105
42	Immobilization of natural macromolecules on poly-L-lactic acid membrane surface in order to improve its cytocompatibility. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 838-847.	3.0	104
43	pH- and NIR Light-Responsive Polymeric Prodrug Micelles for Hyperthermia-Assisted Site-Specific Chemotherapy to Reverse Drug Resistance in Cancer Treatment. <i>Small</i> , 2016, 12, 2731-2740.	5.2	102
44	Polydopamine Nanocoating for Effective Photothermal Killing of Bacteria and Fungus upon Near-Infrared Irradiation. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600767.	1.9	99
45	Interaction of Zoospores of the Green Alga <i>Ulva</i> with Bioinspired Micro- and Nanostructured Surfaces Prepared by Polyelectrolyte Layer-by-Layer Self-Assembly. <i>Advanced Functional Materials</i> , 2010, 20, 1984-1993.	7.8	98
46	Supramolecular Aggregation-Induced Emission Nanodots with Programmed Tumor Microenvironment Responsiveness for Image-Guided Orthotopic Pancreatic Cancer Therapy. <i>ACS Nano</i> , 2020, 14, 5121-5134.	7.3	98
47	Protein immobilization on the surface of poly-L-lactic acid films for improvement of cellular interactions. <i>European Polymer Journal</i> , 2002, 38, 2279-2284.	2.6	96
48	ATP Suppression by pH-Activated Mitochondria-Targeted Delivery of Nitric Oxide Nanoplatfrom for Drug Resistance Reversal and Metastasis Inhibition. <i>Small</i> , 2020, 16, e2001747.	5.2	95
49	Biocompatible and biodegradable polymersomes as delivery vehicles in biomedical applications. <i>Soft Matter</i> , 2012, 8, 8811.	1.2	94
50	Multidentate Polyethylene Glycol Modified Gold Nanorods for in Vivo Near-Infrared Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5657-5668.	4.0	94
51	Micelles and reverse micelles with a photo and thermo double-responsive block copolymer. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2855-2861.	2.5	91
52	Biofilm microenvironment activated supramolecular nanoparticles for enhanced photodynamic therapy of bacterial keratitis. <i>Journal of Controlled Release</i> , 2020, 327, 676-687.	4.8	91
53	Label-free fluorescence detection of mercury(II) and glutathione based on Hg ²⁺ -DNA complexes stimulating aggregation-induced emission of a tetraphenylethene derivative. <i>Analyst</i> , 2010, 135, 3002.	1.7	90
54	Rings of Nanoparticle-Decorated Honeycomb-Structured Polymeric Film: The Combination of Pickering Emulsions and Capillary Flow in the Breath Figures Method. <i>Langmuir</i> , 2008, 24, 11338-11341.	1.6	89

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55	Tailoring Supramolecular Prodrug Nanoassemblies for Reactive Nitrogen Species-Potentiated Chemotherapy of Liver Cancer. <i>ACS Nano</i> , 2021, 15, 8663-8675.	7.3	87
56	Biomedical polymers: synthesis, properties, and applications. <i>Science China Chemistry</i> , 2022, 65, 1010-1075.	4.2	85
57	Design of smart targeted and responsive drug delivery systems with enhanced antibacterial properties. <i>Nanoscale</i> , 2018, 10, 20946-20962.	2.8	84
58	Near-infrared light-sensitive micelles for enhanced intracellular drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 16865.	6.7	82
59	Theranostic reduction-sensitive gemcitabine prodrug micelles for near-infrared imaging and pancreatic cancer therapy. <i>Nanoscale</i> , 2016, 8, 283-291.	2.8	82
60	Ultrathin β -Carrageenan/Chitosan Hydrogel Films with High Toughness and Antiadhesion Property. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9002-9009.	4.0	82
61	Tunable DNA Release from Cross-Linked Ultrathin DNA/PLL Multilayered Films. <i>Bioconjugate Chemistry</i> , 2006, 17, 77-83.	1.8	82
62	Zwitterionic polycarboxybetaine coating functionalized with REDV peptide to improve selectivity for endothelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1387-1397.	2.1	81
63	Different complex surfaces of polyethyleneglycol (PEG) and REDV ligand to enhance the endothelial cells selectivity over smooth muscle cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 369-378.	2.5	80
64	Relief of Biofilm Hypoxia Using an Oxygen Nanocarrier: A New Paradigm for Enhanced Antibiotic Therapy. <i>Advanced Science</i> , 2020, 7, 2000398.	5.6	80
65	Surface engineering of poly(DL-lactic acid) by entrapment of alginate-amino acid derivatives for promotion of chondrogenesis. <i>Biomaterials</i> , 2002, 23, 3141-3148.	5.7	79
66	Biocompatible vesicles based on PEO-b-PMPC/ β -cyclodextrin inclusion complexes for drug delivery. <i>Soft Matter</i> , 2011, 7, 662-669.	1.2	79
67	Mixed Charged Zwitterionic Self-Assembled Monolayers as a Facile Way to Stabilize Large Gold Nanoparticles. <i>Langmuir</i> , 2011, 27, 5242-5251.	1.6	78
68	Mixed Charge Nanoparticles for Long Circulation, Low Reticuloendothelial System Clearance, and High Tumor Accumulation. <i>Advanced Healthcare Materials</i> , 2014, 3, 1439-1447.	3.9	77
69	A facile method to construct hybrid multilayered films as a strong and multifunctional antibacterial coating. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 85B, 556-563.	1.6	75
70	Photo-responsive supramolecular self-assembly and disassembly of an azobenzene-containing block copolymer. <i>Soft Matter</i> , 2010, 6, 5589.	1.2	75
71	Nitric oxide-induced stromal depletion for improved nanoparticle penetration in pancreatic cancer treatment. <i>Biomaterials</i> , 2020, 246, 119999.	5.7	75
72	Surface modification of poly-L-lactide by photografting of hydrophilic polymers towards improving its hydrophilicity. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2163-2171.	1.3	74

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73	Zwitterionic phosphorylcholine as a better ligand for stabilizing large biocompatible gold nanoparticles. <i>Chemical Communications</i> , 2008, , 3058.	2.2	73
74	Biomacromolecules Electrostatic Self-Assembly on 3-Dimensional Tissue Engineering Scaffold. <i>Biomacromolecules</i> , 2004, 5, 1933-1939.	2.6	72
75	A biomimic pH-sensitive polymeric prodrug based on polycarbonate for intracellular drug delivery. <i>Polymer Chemistry</i> , 2014, 5, 854-861.	1.9	71
76	Humidity-Triggered Self-Healing of Microporous Polyelectrolyte Multilayer Coatings for Hydrophobic Drug Delivery. <i>Advanced Functional Materials</i> , 2015, 25, 7470-7477.	7.8	70
77	Bactericidal and Hemocompatible Coating via the Mixed-Charged Copolymer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10428-10436.	4.0	70
78	The rational design of a gemcitabine prodrug with AIE-based intracellular light-up characteristics for selective suppression of pancreatic cancer cells. <i>Chemical Communications</i> , 2015, 51, 17435-17438.	2.2	68
79	Emerging antibacterial nanomedicine for enhanced antibiotic therapy. <i>Biomaterials Science</i> , 2020, 8, 6825-6839.	2.6	68
80	Direct Adhesion of Endothelial Cells to Bioinspired Poly(dopamine) Coating Through Endogenous Fibronectin and Integrin $\alpha_5\beta_1$. <i>Macromolecular Bioscience</i> , 2013, 13, 483-493.	2.1	67
81	Design and Proof of Programmed 5-Aminolevulinic Acid Prodrug Nanocarriers for Targeted Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14596-14605.	4.0	66
82	BSA-tetraphenylethene derivative conjugates with aggregation-induced emission properties: Fluorescent probes for label-free and homogeneous detection of protease and ± 1 -antitrypsin. <i>Analyst</i> , The, 2011, 136, 2315.	1.7	65
83	Glutathione Activatable Photosensitizer-Conjugated Pseudopolyrotaxane Nanocarriers for Photodynamic Theranostics. <i>Small</i> , 2016, 12, 6223-6232.	5.2	65
84	Antibacterial and hydroxyapatite-forming coating for biomedical implants based on polypeptide-functionalized titania nanospikes. <i>Biomaterials Science</i> , 2020, 8, 278-289.	2.6	65
85	Novel Biomimetic Surfactant: Synthesis and Micellar Characteristics. <i>Macromolecular Bioscience</i> , 2005, 5, 164-171.	2.1	64
86	Particle-assisted fabrication of honeycomb-structured hybrid films via breath figures method. <i>Polymer</i> , 2010, 51, 4169-4175.	1.8	64
87	pH-Amplified Multilayer Films Based on Hyaluronan: Influence of HA Molecular Weight and Concentration on Film Growth and Stability. <i>Biomacromolecules</i> , 2011, 12, 1322-1331.	2.6	64
88	Heparin/collagen multilayer as a thromboresistant and endothelial favorable coating for intravascular stent. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 132-141.	2.1	63
89	Bioinspired phospholipid polymer prodrug as a pH-responsive drug delivery system for cancer therapy. <i>Polymer Chemistry</i> , 2013, 4, 2004.	1.9	63
90	Let There be Light: Polymeric Micelles with Upper Critical Solution Temperature as Light-Triggered Heat Nanogenerators for Combating Drug-Resistant Cancer. <i>Small</i> , 2018, 14, e1802420.	5.2	63

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91	Photosensitizer-Loaded Multifunctional Chitosan Nanoparticles for Simultaneous in Situ Imaging, Highly Efficient Bacterial Biofilm Eradication, and Tumor Ablation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2302-2316.	4.0	63
92	Surface Engineering of Poly(dl-lactide) via Electrostatic Self-Assembly of Extracellular Matrix-like Molecules. <i>Biomacromolecules</i> , 2003, 4, 378-386.	2.6	62
93	Construction of High Drug Loading and Enzymatic Degradable Multilayer Films for Self-Defense Drug Release and Long-Term Biofilm Inhibition. <i>Biomacromolecules</i> , 2018, 19, 85-93.	2.6	62
94	Ofloxacin loaded MoS ₂ nanoflakes for synergistic mild-temperature photothermal/antibiotic therapy with reduced drug resistance of bacteria. <i>Nano Research</i> , 2020, 13, 2340-2350.	5.8	62
95	Preparation of reversibly photo-cross-linked nanogels from pH-responsive block copolymers and use as nanoreactors for the synthesis of gold nanoparticles. <i>European Polymer Journal</i> , 2010, 46, 2120-2128.	2.6	61
96	Doxorubicin conjugated phospholipid prodrugs as smart nanomedicine platforms for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3297-3305.	2.9	60
97	Minimizing nonspecific phagocytic uptake of biocompatible gold nanoparticles with mixed charged zwitterionic surface modification. <i>Journal of Materials Chemistry</i> , 2012, 22, 1916-1927.	6.7	58
98	Hyaluronic acid and chitosan-DNA complex multilayered thin film as surface-mediated nonviral gene delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 298-303.	2.5	57
99	Biomimetic pseudopolyrotaxane prodrug micelles with high drug content for intracellular drug delivery. <i>Chemical Communications</i> , 2013, 49, 7123.	2.2	57
100	Effect of Polyelectrolyte Film Stiffness on Endothelial Cells During Endothelial-to-Mesenchymal Transition. <i>Biomacromolecules</i> , 2015, 16, 3584-3593.	2.6	57
101	The Escherichia coli O157:H7 DNA detection on a gold nanoparticle-enhanced piezoelectric biosensor. <i>Science Bulletin</i> , 2008, 53, 1175-1184.	4.3	56
102	Rapid and Sensitive Detection of Foodborne Pathogenic Bacteria (<i>Staphylococcus aureus</i>) Using an Electrochemical DNA Genomic Biosensor and Its Application in Fresh Beef. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 12659-12667.	2.4	56
103	Construction and deconstruction of PLL/DNA multilayered films for DNA delivery: Effect of ionic strength. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 46, 63-69.	2.5	55
104	Biocompatible and biodegradable polymersomes for pH-triggered drug release. <i>Soft Matter</i> , 2011, 7, 6629.	1.2	55
105	Reversibly light-responsive micelles constructed via a simple modification of hyperbranched polymers with chromophores. <i>Polymer</i> , 2012, 53, 3695-3703.	1.8	54
106	Photothermal Killing of Methicillin-Resistant <i>Staphylococcus aureus</i> by Bacteria-Targeted Polydopamine Nanoparticles with Nano-Localized Hyperpyrexia. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5169-5179.	2.6	54
107	Layer-by-layer assembly as a robust method to construct extracellular matrix mimic surfaces to modulate cell behavior. <i>Progress in Polymer Science</i> , 2019, 92, 1-34.	11.8	54
108	Fabrication of Mixed-Charge Polypeptide Coating for Enhanced Hemocompatibility and Anti-Infective Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2999-3010.	4.0	53

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109	Facile fabrication of robust superhydrophobic multilayered film based on bioinspired poly(dopamine)-modified carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2936.	1.3	51
110	pH-responsive and biodegradable polymeric micelles based on poly(β -amino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (ester)-graft-	1.9	50
111	Polyamidoamine dendrimers surface-engineered with biomimetic phosphorylcholine as potential drug delivery carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 49-54.	2.5	49
112	â€œMixed-charge Self-Assembled Monolayersâ€•as A Facile Method to Design pH-induced Aggregation of Large Gold Nanoparticles for Near-Infrared Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18930-18937.	4.0	49
113	Bacteriaâ€•Targeted Supramolecular Photosensitizer Delivery Vehicles for Photodynamic Ablation Against Biofilms. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800763.	2.0	49
114	Enzyme-sensitive gemcitabine conjugated albumin nanoparticles as a versatile theranostic nanoplatform for pancreatic cancer treatment. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 217-224.	5.0	48
115	Zwitterionic stealth peptide-protected gold nanoparticles enable long circulation without the accelerated blood clearance phenomenon. <i>Biomaterials Science</i> , 2018, 6, 200-206.	2.6	48
116	Magainin-modified polydopamine nanoparticles for photothermal killing of bacteria at low temperature. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110423.	2.5	48
117	Synchronously boosting type-I photodynamic and photothermal efficacies via molecular manipulation for pancreatic cancer theranostics in the NIR-II window. <i>Biomaterials</i> , 2022, 283, 121476.	5.7	48
118	Surface-mediated functional gene delivery: An effective strategy for enhancing competitiveness of endothelial cells over smooth muscle cells. <i>Biomaterials</i> , 2013, 34, 3345-3354.	5.7	47
119	Surface Tailoring of Nanoparticles via Mixedâ€•Charge Monolayers and Their Biomedical Applications. <i>Small</i> , 2014, 10, 4230-4242.	5.2	47
120	Bioinspired Polydopamine/Polyzwitterion Coatings for Underwater Anti-Oil and -Freezing Surfaces. <i>Langmuir</i> , 2019, 35, 1895-1901.	1.6	47
121	Polymyxin Bâ€•Polysaccharide Polyion Nanocomplex with Improved Biocompatibility and Unaffected Antibacterial Activity for Acute Lung Infection Management. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901542.	3.9	45
122	Surface coating of stearyl poly(ethylene oxide) coupling-polymer on polyurethane guiding catheters with poly(ether urethane) film-building additive for biomedical applications. <i>Biomaterials</i> , 2001, 22, 1549-1562.	5.7	44
123	Phenylboronic acid as a sugar- and pH-responsive trigger to tune the multiple micellization of thermo-responsive block copolymer. <i>Polymer</i> , 2010, 51, 3068-3074.	1.8	44
124	Selective endothelial cells adhesion to Arg-Glu-Asp-Val peptide functionalized polysaccharide multilayer. <i>Thin Solid Films</i> , 2012, 520, 4971-4978.	0.8	44
125	Octadecyl Chains Immobilized onto Hyaluronic Acid Coatings by Thiolâ€•ene â€•Click Chemistryâ€•Increase the Surface Antimicrobial Properties and Prevent Platelet Adhesion and Activation to Polyurethane. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7979-7989.	4.0	44
126	Pillar[5]arene based supramolecular prodrug micelles with pH induced aggregate behavior for intracellular drug delivery. <i>Chemical Communications</i> , 2015, 51, 2999-3002.	2.2	43

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127	Recyclable Colorimetric Detection of Trivalent Cations in Aqueous Media Using Zwitterionic Gold Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 4140-4146.	3.2	43
128	Gas Therapy: An Emerging "Green" Strategy for Anticancer Therapeutics. <i>Advanced Therapeutics</i> , 2018, 1, 1800084.	1.6	43
129	Construction of multilayer coating onto poly-(dl-lactide) to promote cytocompatibility. <i>Biomaterials</i> , 2004, 25, 109-117.	5.7	42
130	A radiomics model for determining the invasiveness of solitary pulmonary nodules that manifest as part-solid nodules. <i>Clinical Radiology</i> , 2019, 74, 933-943.	0.5	42
131	Functionalized biomaterials to combat biofilms. <i>Biomaterials Science</i> , 2020, 8, 4052-4066.	2.6	42
132	A cascade enzymatic reaction activatable gemcitabine prodrug with an AIE-based intracellular light-up apoptotic probe for in situ self-therapeutic monitoring. <i>Chemical Communications</i> , 2017, 53, 9214-9217.	2.2	41
133	Hemoglobin as a Smart pH-Sensitive Nanocarrier To Achieve Aggregation Enhanced Tumor Retention. <i>Biomacromolecules</i> , 2018, 19, 2007-2013.	2.6	41
134	Self-assembled chitosan/heparin multilayer film as a novel template for in situ synthesis of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 549-555.	2.5	40
135	Construction of photo-responsive micelles from azobenzene-modified hyperbranched polyphosphates and study of their reversible self-assembly and disassembly behaviours. <i>New Journal of Chemistry</i> , 2012, 36, 694-701.	1.4	40
136	Design and fabrication of functional polycaprolactone. <i>E-Polymers</i> , 2015, 15, 3-13.	1.3	40
137	Surface-mediated transfection of a pDNA vector encoding short hairpin RNA to downregulate TGF- β 1 expression for the prevention of in-stent restenosis. <i>Biomaterials</i> , 2017, 116, 95-105.	5.7	40
138	Zwitterionic stealth peptide-capped 5-aminolevulinic acid prodrug nanoparticles for targeted photodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 251-259.	5.0	40
139	Anti-Oxidative and Anti-Inflammatory Micelles: Break the Dry Eye Vicious Cycle. <i>Advanced Science</i> , 2022, 9, e2200435.	5.6	40
140	Probiotic <i>Bacillus amyloliquefaciens</i> mediate M1 macrophage polarization in mouse bone marrow-derived macrophages. <i>Archives of Microbiology</i> , 2013, 195, 349-356.	1.0	39
141	Self-Healing Spongy Coating for Drug "Cocktail" Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4309-4313.	4.0	39
142	Codeposition of Levodopa and Polyethyleneimine: Reaction Mechanism and Coating Construction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54094-54103.	4.0	39
143	Humidity Responsive Asymmetric Free-Standing Multilayered Film. <i>Langmuir</i> , 2010, 26, 16634-16637.	1.6	38
144	Improved Endothelial Function of Endothelial Cell Monolayer on the Soft Polyelectrolyte Multilayer Film with Matrix-Bound Vascular Endothelial Growth Factor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14357-14366.	4.0	38

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145	Dual pH-responsive 5-aminolevulinic acid pseudopolyrotaxane prodrug micelles for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2016, 52, 3966-3969.	2.2	38
146	Design and proof of reversible micelle-to-vesicle multistimuli-responsive morphological regulations. <i>Journal of Polymer Science Part A</i> , 2012, 50, 451-457.	2.5	37
147	Light-Responsive Polyion Complex Micelles with Switchable Surface Charge for Efficient Protein Delivery. <i>ACS Macro Letters</i> , 2014, 3, 679-683.	2.3	37
148	Emerging nanobiomaterials against bacterial infections in postantibiotic era. <i>View</i> , 2020, 1, 20200014.	2.7	37
149	Substrate Stiffness Combined with Hepatocyte Growth Factor Modulates Endothelial Cell Behavior. <i>Biomacromolecules</i> , 2016, 17, 2767-2776.	2.6	36
150	Polyamino acid-based gemcitabine nanocarriers for targeted intracellular drug delivery. <i>Polymer Chemistry</i> , 2017, 8, 2490-2498.	1.9	36
151	Covalent Layer-by-Layer Assembly of Hyperbranched Polyether and Polyethyleneimine: Multilayer Films Providing Possibilities for Surface Functionalization and Local Drug Delivery. <i>Biomacromolecules</i> , 2011, 12, 4264-4271.	2.6	35
152	Construction of Redox-Active Multilayer Film for Electrochemically Controlled Release. <i>Langmuir</i> , 2013, 29, 11163-11168.	1.6	35
153	Electrochemically Controlled Stiffness of Multilayers for Manipulation of Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4597-4602.	4.0	35
154	Theranostic hyaluronic acid prodrug micelles with aggregation-induced emission characteristics for targeted drug delivery. <i>Science China Chemistry</i> , 2016, 59, 1609-1615.	4.2	35
155	Surface tailoring of poly(DL-lactic acid) by ligand-tethered amphiphilic polymer for promoting chondrocyte attachment and growth. <i>Biomaterials</i> , 2004, 25, 1859-1867.	5.7	34
156	Light-regulated host-guest interaction as a new strategy for intracellular PEG-detachable polyplexes to facilitate nuclear entry. <i>Chemical Communications</i> , 2012, 48, 10126.	2.2	34
157	pH and hydrogen peroxide dual responsive supramolecular prodrug system for controlled release of bioactive molecules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 189-195.	2.5	34
158	Surface modulation of complex stiffness via layer-by-layer assembly as a facile strategy for selective cell adhesion. <i>Biomaterials Science</i> , 2015, 3, 352-360.	2.6	34
159	Chlorin e6 (Ce6)-loaded supramolecular polypeptide micelles with enhanced photodynamic therapy effect against <i>Pseudomonas aeruginosa</i> . <i>Chemical Engineering Journal</i> , 2021, 417, 129334.	6.6	34
160	Fabrication of alternating polycation and albumin multilayer coating onto stainless steel by electrostatic layer-by-layer adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 34, 185-190.	2.5	33
161	The effect of ligand composition on the in vivo fate of multidentate poly(ethylene glycol) modified gold nanoparticles. <i>Biomaterials</i> , 2013, 34, 8370-8381.	5.7	33
162	Self-Healing Label Materials Based on Photo-Cross-Linkable Polymeric Films with Dynamic Surface Structures. <i>ACS Nano</i> , 2018, 12, 8686-8696.	7.3	33

#	ARTICLE	IF	CITATIONS
163	A photodynamic antibacterial spray-coating based on the host-guest immobilization of the photosensitizer methylene blue. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5089-5095.	2.9	33
164	Patterned Slippery Surface through Dynamically Controlling Surface Structures for Droplet Microarray. <i>Chemistry of Materials</i> , 2019, 31, 834-841.	3.2	33
165	Bacterial infection microenvironment sensitive prodrug micelles with enhanced photodynamic activities for infection control. <i>Colloids and Interface Science Communications</i> , 2021, 40, 100354.	2.0	33
166	Postdiffusion of Oligo-Peptide within Exponential Growth Multilayer Films for Localized Peptide Delivery. <i>Langmuir</i> , 2009, 25, 11664-11671.	1.6	32
167	Charge-Conversional and pH-Sensitive PEGylated Polymeric Micelles as Efficient Nanocarriers for Drug Delivery. <i>Macromolecular Bioscience</i> , 2014, 14, 1280-1290.	2.1	32
168	Stearyl poly(ethylene oxide) grafted surfaces for preferential adsorption of albumin. <i>Biomaterials</i> , 2001, 22, 3015-3023.	5.7	31
169	Norvancomycin-capped silver nanoparticles: Synthesis and antibacterial activities against <i>E. coli</i> . <i>Science in China Series B: Chemistry</i> , 2007, 50, 418-424.	0.8	31
170	Poland's syndrome complicated with breast cancer: mammographic, ultrasonographic, and computed tomographic findings. <i>Acta Radiologica</i> , 2008, 49, 387-390.	0.5	31
171	Biocompatible Poly(D,L-lactide)-block-Poly(2-methacryloyloxyethylphosphorylcholine) Micelles for Drug Delivery. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 643-651.	1.1	31
172	Dynamic stiffness of polyelectrolyte multilayer films based on disulfide bonds for in situ control of cell adhesion. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7546-7553.	2.9	31
173	pH-sensitive controlled release of doxorubicin from polyelectrolyte multilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 127-133.	2.5	31
174	Intracellular Dual Fluorescent Lightup Bioprobes for Image-Guided Photodynamic Cancer Therapy. <i>Small</i> , 2016, 12, 3870-3878.	5.2	31
175	Intracellular host-guest assembly of gold nanoparticles triggered by glutathione. <i>Chemical Communications</i> , 2016, 52, 582-585.	2.2	31
176	Substrate stiffness differentially impacts autophagy of endothelial cells and smooth muscle cells. <i>Bioactive Materials</i> , 2021, 6, 1413-1422.	8.6	30
177	Stimulus-responsive nanoplatfoms for antibacterial applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1775.	3.3	30
178	Label-free Fluorescent Sensor for Probing Heparin-Protein Interaction Based on Supramolecular Assemblies. <i>Chinese Journal of Chemistry</i> , 2014, 32, 85-90.	2.6	29
179	Programmed photosensitizer conjugated supramolecular nanocarriers with dual targeting ability for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2016, 52, 11935-11938.	2.2	29
180	Mechanical Adaptability of the MMP-Responsive Film Improves the Functionality of Endothelial Cell Monolayer. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601410.	3.9	29

#	ARTICLE	IF	CITATIONS
181	Drug-eluting intraocular lens with sustained bromfenac release for conquering posterior capsular opacification. <i>Bioactive Materials</i> , 2022, 9, 343-357.	8.6	29
182	A "rewriting" strategy for shape transition with infinitely adjustable shaping sequences and in situ tunable 3D structures. <i>Materials Horizons</i> , 2016, 3, 581-587.	6.4	28
183	A novel biliary stent coated with silver nanoparticles prolongs the unobstructed period and survival via anti-bacterial activity. <i>Scientific Reports</i> , 2016, 6, 21714.	1.6	28
184	Development of mucoadhesive cationic polypeptide micelles for sustained cabozantinib release and inhibition of corneal neovascularization. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5143-5154.	2.9	28
185	Construction of Multifunctional Coatings via Layer-by-Layer Assembly of Sulfonated Hyperbranched Polyether and Chitosan. <i>Langmuir</i> , 2010, 26, 2624-2629.	1.6	27
186	Rheological properties of redox-responsive, associative ferrocene-modified branched poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	27
187	Fabrication of dual-responsive micelles based on the supramolecular interaction of cucurbit[8]uril. <i>Polymer Chemistry</i> , 2013, 4, 242-245.	1.9	27
188	Functional 2-methylene-1,3-dioxepane terpolymer: a versatile platform to construct biodegradable polymeric prodrugs for intracellular drug delivery. <i>Polymer Chemistry</i> , 2014, 5, 4061-4068.	1.9	27
189	Biodegradable phosphorylcholine copolymer for cardiovascular stent coating. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5361-5368.	2.9	27
190	Stearyl poly(ethylene oxide) grafted surfaces for preferential adsorption of albumin Part 2. The effect of molecular mobility on protein adsorption. <i>Polymer</i> , 2000, 41, 3713-3718.	1.8	26
191	Protein electrostatic self-assembly on poly(DL-lactide) scaffold to promote osteoblast growth. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71B, 159-165.	3.0	26
192	Bioinspired phosphorylcholine-modified polyplexes as an effective strategy for selective uptake and transfection of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 297-305.	2.5	26
193	Stiffness of polyelectrolyte multilayer film influences endothelial function of endothelial cell monolayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 379-387.	2.5	26
194	Antimicrobial nanomedicine for ocular bacterial and fungal infection. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1352-1375.	3.0	26
195	A NIR-II emissive polymer AIEgen for imaging-guided photothermal elimination of bacterial infection. <i>Biomaterials</i> , 2022, 286, 121579.	5.7	26
196	Construction of Polycation-Based Non-Viral DNA Nanoparticles and Polyanion Multilayers via Layer-by-Layer Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1633-1638.	2.0	25
197	Fabrication of thromboresistant multilayer thin film on plasma treated poly (vinyl chloride) surface. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 687-692.	1.7	25
198	Poly(D,L-lactic acid)-block-(ligand-tethered poly(ethylene glycol)) copolymers as surface additives for promoting chondrocyte attachment and growth. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 76B, 64-75.	1.6	25

#	ARTICLE	IF	CITATIONS
199	Disulfide-Crosslinked Biomimetic Micelles: Formation, Thiol Reactivity and Cytotoxicity Behavior. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2292-2300.	1.1	25
200	Small and Stable Phosphorylcholine Zwitterionic Quantum Dots for Weak Nonspecific Phagocytosis and Effective Tat Peptide Functionalization. <i>Advanced Healthcare Materials</i> , 2013, 2, 352-360.	3.9	25
201	Effects of quaternization on the morphological stability and antibacterial activity of electrospun poly(DMAEMA-co-AMA) nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 148-155.	2.5	25
202	Infusing Lubricant onto Erasable Microstructured Surfaces toward Guided Sliding of Liquid Droplets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1959-1967.	4.0	25
203	Mixed-Charged Zwitterionic Polymeric Micelles for Tumor Acidic Environment Responsive Intracellular Drug Delivery. <i>Langmuir</i> , 2019, 35, 1242-1248.	1.6	25
204	Aggregation-Induced Emission-Based Platforms for the Treatment of Bacteria, Fungi, and Viruses. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100736.	3.9	25
205	Polydopamine nanoparticles with different sizes for NIR-promoted gene delivery and synergistic photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112125.	2.5	25
206	Phospholipid based polymer as drug release coating for cardiovascular device. <i>European Polymer Journal</i> , 2004, 40, 291-298.	2.6	24
207	Construction of phospholipid anti-biofouling multilayer on biomedical PET surfaces. <i>Applied Surface Science</i> , 2008, 255, 538-540.	3.1	24
208	Light cross-linkable and pH de-cross-linkable drug nanocarriers for intracellular drug delivery. <i>Polymer Chemistry</i> , 2015, 6, 2069-2075.	1.9	24
209	Dynamic spongy films to immobilize hydrophobic antimicrobial peptides for self-healing bactericidal coating. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6358-6365.	2.9	24
210	Self-wrinkling polyelectrolyte multilayers: construction, smoothing and the underlying mechanism. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31168-31174.	1.3	24
211	Biomimetic drug nanocarriers prepared by miniemulsion polymerization for near-infrared imaging and photothermal therapy. <i>Polymer</i> , 2016, 82, 255-261.	1.8	24
212	Blends of stearyl poly(ethylene oxide) coupling-polymer in chitosan as coating materials for polyurethane intravascular catheters. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 58, 372-383.	3.0	23
213	Biocompatible and biodegradable supramolecular assemblies formed with cucurbit[8]uril as a smart platform for reduction-triggered release of doxorubicin. <i>Polymer Chemistry</i> , 2014, 5, 1843.	1.9	23
214	The relief of hypoxic microenvironment using an O ₂ self-sufficient fluorinated nanoplatform for enhanced photodynamic eradication of bacterial biofilms. <i>Nano Research</i> , 2022, 15, 1636-1644.	5.8	23
215	Zwitterionic supramolecular prodrug nanoparticles based on host-guest interactions for intracellular drug delivery. <i>Polymer</i> , 2016, 97, 449-455.	1.8	22
216	Surface Analysis of Poly(ether urethane) Blending Stearyl Poly(ethylene oxide) Coupling Polymer. <i>Macromolecules</i> , 2000, 33, 8472-8478.	2.2	21

#	ARTICLE	IF	CITATIONS
217	Albumin and fibrinogen adsorption on Cibacron blue F3G-A immobilised onto PU-PHEMA (polyurethane-poly(hydroxyethylmethacrylate)) surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 439-455.	1.9	21
218	Synthesis of hydroxyl-capped comb-like poly(ethylene glycol) to develop shell cross-linkable micelles. <i>Polymer</i> , 2006, 47, 1987-1994.	1.8	21
219	Spontaneous Vesicle Formation in Aqueous Solutions of Comb-Like PEG. <i>Macromolecular Rapid Communications</i> , 2006, 27, 214-218.	2.0	21
220	Construct biomimetic giant vesicles via self-assembly of poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (Science, 2010, 118, 3197-3202.	1.3	21
221	Photothermal-assisted surface-mediated gene delivery for enhancing transfection efficiency. <i>Biomaterials Science</i> , 2019, 7, 5177-5186.	2.6	21
222	miR-22 eluting cardiovascular stent based on a self-healable spongy coating inhibits in-stent restenosis. <i>Bioactive Materials</i> , 2021, 6, 4686-4696.	8.6	21
223	Stability and Drug Loading of Spontaneous Vesicles of Comb-Like PEG Derivates. <i>Macromolecular Rapid Communications</i> , 2007, 28, 660-665.	2.0	20
224	Netlike Knitting of Polyelectrolyte Multilayers on Honeycomb-Patterned Substrate. <i>Langmuir</i> , 2010, 26, 14236-14240.	1.6	20
225	Cucurbit[8]uril Supramolecular Assembly for Positively Charged Ultrathin Films as Nanocontainers. <i>Langmuir</i> , 2013, 29, 14101-14107.	1.6	20
226	REDV/Rapamycin-loaded polymer combinations as a coordinated strategy to enhance endothelial cells selectivity for a stent system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1166-1173.	2.5	20
227	Abp, a new gene, confers reduced susceptibility to tetracycline, glycylicine, chloramphenicol and fosfomycin classes in <i>Acinetobacter baumannii</i> . <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2016, 35, 1371-1375.	1.3	20
228	Thermo-triggered ultrafast self-healing of microporous coating for on-demand encapsulation of biomacromolecules. <i>Biomaterials</i> , 2019, 192, 15-25.	5.7	20
229	Macromolecular Platform with Super-Cation Enhanced Trans-Cornea Infiltration for Noninvasive Nitric Oxide Delivery in Ocular Therapy. <i>ACS Nano</i> , 2020, 14, 16929-16938.	7.3	20
230	Zwitterionic phosphorylcholine-protected water-soluble Ag nanoparticles. <i>Science in China Series B: Chemistry</i> , 2009, 52, 64-68.	0.8	19
231	Multilayers based on cationic nanocomplexes for co-delivery of doxorubicin and DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 67-73.	2.5	19
232	One-Step Preparation of Reduction-Responsive Biodegradable Polymers as Efficient Intracellular Drug Delivery Platforms. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1848-1854.	1.1	19
233	Understanding the Oxidative Stability of Antifouling Polymer Brushes. <i>Langmuir</i> , 2017, 33, 7298-7304.	1.6	19
234	Structure-Switchable DNA Programmed Disassembly of Nanoparticles for Smart Size Tunability and Cancer-Specific Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22560-22571.	4.0	19

#	ARTICLE	IF	CITATIONS
235	Hierarchical Capillary Coating to Biofunctionalize Drug-Eluting Stent for Improving Endothelium Regeneration. <i>Research</i> , 2020, 2020, 1458090.	2.8	18
236	Dissolving microneedles with a biphasic release of antibacterial agent and growth factor to promote wound healing. <i>Biomaterials Science</i> , 2022, 10, 2409-2416.	2.6	18
237	Osteoblast growth promotion by protein electrostatic self-assembly on biodegradable poly(lactide). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 761-774.	1.9	17
238	Highly soluble PEGylated pyrene-gold nanoparticles dyads for sensitive turn-on fluorescent detection of biothiols. <i>Analyst</i> , 2010, 135, 2323.	1.7	17
239	Fast and selective cancer cell uptake of therapeutic gold nanorods by surface modifications with phosphorylcholine and Tat. <i>Journal of Materials Chemistry</i> , 2012, 22, 13969.	6.7	17
240	mRNA Guided Intracellular Self-Assembly of DNA-Gold Nanoparticle Conjugates as a Precise Trigger to Up-Regulate Cell Apoptosis and Activate Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2019, 30, 1763-1772.	1.8	17
241	Emerging pro-drug and nano-drug strategies for gemcitabine-based cancer therapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2022, 17, 35-52.	4.3	17
242	Facile Synthesis of Zn ²⁺ -Based Hybrid Nanoparticles as a New Paradigm for the Treatment of Internal Bacterial Infections. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
243	Selective Adsorption of Serum Albumin on Biomedical Polyurethanes Modified by a Poly(ethylene Terephthalate) Overlayer. <i>Journal of Applied Polymer Science</i> , 2019, 143, 4792-803.	1.8	16
244	Poly(methacryloyloxy) ethyl phosphorylcholine-functionalized multi-walled carbon nanotubes: Preparation, characterization, solubility, and effects on blood coagulation. <i>Journal of Applied Polymer Science</i> , 2009, 113, 351-357.	1.3	16
245	The (PrS/HGF-pDNA) multilayer films for gene-eluting stent coating: Gene-protecting, anticoagulation, antibacterial properties, and <i>in vivo</i> antirestenosis evaluation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 430-439.	1.6	16
246	Improved Antithrombotic Function of Oriented Endothelial Cell Monolayer on Microgrooves. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1976-1985.	2.6	16
247	One-step preparation of reduction-responsive cross-linked gemcitabine prodrug micelles for intracellular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 94-101.	2.5	16
248	Humidity-triggered Relaxation of Polyelectrolyte Complexes as a Robust Approach to Generate Extracellular Matrix Biomimetic Films. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000381.	3.9	16
249	A Bioinspired Hydrogel-Elastomer Hybrid Surface for Enhanced Mechanical Properties and Lubrication. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50461-50469.	4.0	16
250	Ferrocenyl branched poly(ethylene imine) micelles as reductive templates for the preparation of silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2179-2187.	0.8	15
251	Substrate-mediated delivery of gene complex nanoparticles via polydopamine coating for enhancing competitiveness of endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 172-179.	2.5	15
252	Photothermal Spongy Film for Enhanced Surface-Mediated Transfection to Primary Cells. <i>ACS Applied Bio Materials</i> , 2019, 2, 2676-2684.	2.3	15

#	ARTICLE	IF	CITATIONS
253	A gene-coated microneedle patch based on industrialized ultrasonic spraying technology with a polycation vector to improve antitumor efficacy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5528-5536.	2.9	15
254	Controlling Structural Transformation of Polyelectrolyte Films for Spatially Encapsulating Functional Species. <i>Small</i> , 2019, 15, e1804867.	5.2	14
255	Versatile and Functional Surface Patterning of in Situ Breath Figure Pore Formation via Solvent Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47048-47058.	4.0	14
256	A Tough, Slippery, and Anticoagulant Double-Network Hydrogel Coating. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5941-5951.	2.0	14
257	Self-Assembly and Surface Structure of an Amphiphilic Graft Copolymer, Polystyrene-graft- <i>l</i> -Stearyl-Poly(ethylene oxide). <i>Journal of Colloid and Interface Science</i> , 2000, 224, 255-260.	5.0	13
258	Bowl- and porous sphere-shaped supramolecular assemblies and their application as templates for confined assembly of gold nanoparticles. <i>Soft Matter</i> , 2011, 7, 1114-1120.	1.2	13
259	More efficient NIR photothermal therapeutic effect from intracellular heating modality than extracellular heating modality: an in vitro study. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	13
260	Anti-CD34 Antibody Functionalized Swollen Polymeric Coating for Endothelial Cell Rapid Selectively Capture. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 99-103.	1.8	13
261	Various-sized stearyl poly(ethylene oxide) coupling-polymer blending poly(ether urethane) material for surface study and biomedical applications. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1574-1584.	1.1	12
262	Construction of albumin multilayer coating onto plasma treated poly(vinyl chloride) via electrostatic self-assembly. <i>Polymers for Advanced Technologies</i> , 2004, 15, 490-494.	1.6	12
263	Self-assembly and degradation of poly[(2-methacryloyloxyethyl) trimethylammonium methylsulfate] (PMSEMA) large compound micelles to vesicles. <i>Polymer International</i> , 2011, 60, 578-583.	1.6	12
264	pH modulated layer-by-layer assembly as a new approach to tunable formulating of DNA within multilayer coating. <i>Reactive and Functional Polymers</i> , 2011, 71, 254-260.	2.0	12
265	Glutathione Responsive β -Cyclodextrin Conjugated S-Nitrothiols as a Carrier for Intracellular Delivery of Nitric Oxide. <i>Bioconjugate Chemistry</i> , 2019, 30, 583-591.	1.8	12
266	Zwitterionic Reduction-Activated Supramolecular Prodrug Nanocarriers for Photodynamic Ablation of Cancer Cells. <i>Langmuir</i> , 2019, 35, 1919-1926.	1.6	12
267	Antimicrobial Peptide-Tether Dressing Able to Enhance Wound Healing by Tissue Contact. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24213-24228.	4.0	12
268	Thin electroconductive hydrogel films by in situ electropolymerization of pyrrole within polyelectrolyte multilayers. <i>RSC Advances</i> , 2014, 4, 24511.	1.7	11
269	Cucurbit[8]uril-based stimuli-responsive films as a sacrificial layer for preparation of free-standing thin films. <i>Chemical Communications</i> , 2015, 51, 1576-1578.	2.2	11
270	The renaissance of nitric oxide: from improvement of stability to enhancement of endocytosis. <i>Materials Chemistry Frontiers</i> , 2018, 2, 830-834.	3.2	11

#	ARTICLE	IF	CITATIONS
271	Rapid Buildup Arrays with Orthogonal Biochemistry Gradients via Light-Induced Thiol-ene "Click" Chemistry for High-Throughput Screening of Peptide Combinations. ACS Applied Materials & Interfaces, 2020, 12, 20243-20252.	4.0	11
272	Periodic Stratified Porous Structures in Dynamic Polyelectrolyte Films Through Standing-Wave Optical Crosslinking for Structural Color. Advanced Science, 2021, 8, e2100402.	5.6	11
273	Spraying layer-by-layer assembly film based on the coordination bond of bioinspired polydopamine-FeIII. Thin Solid Films, 2016, 600, 76-82.	0.8	10
274	Surface-Mediated Stimuli-Responsive Gene Delivery Based on Breath Figure Film Combined with Matrix Metalloproteinase-Sensitive Hydrogel. ACS Biomaterials Science and Engineering, 2019, 5, 6610-6616.	2.6	10
275	Polymer coated nanodiamonds as gemcitabine prodrug with enzymatic sensitivity for pancreatic cancer treatment. Progress in Natural Science: Materials International, 2020, 30, 711-717.	1.8	10
276	Synthesis and characterization of cholesterol-poly(ethylene glycol)-poly(D,L-lactic acid) copolymers for promoting osteoblast attachment and proliferation. Journal of Materials Science: Materials in Medicine, 2006, 17, 899-909.	1.7	9
277	Phosphorylcholine functionalized dendrimers for the formation of highly stable and reactive gold nanoparticles and their glucose conjugation for biosensing. Journal of Nanoparticle Research, 2011, 13, 4075-4083.	0.8	9
278	Enhanced electrochemical stimuli multilayers based on a ferrocene-containing polymer. Science Bulletin, 2015, 60, 936-942.	4.3	9
279	Surface Metallization of Porous Polymer Materials for Multifunctional Applications. Langmuir, 2020, 36, 1454-1461.	1.6	9
280	Bioinspired NO release coating enhances endothelial cells and inhibits smooth muscle cells. Journal of Materials Chemistry B, 2022, 10, 2454-2462.	2.9	9
281	Verteoporfin-loaded supramolecular micelles for enhanced cisplatin-based chemotherapy via autophagy inhibition. Journal of Materials Chemistry B, 2022, 10, 2670-2679.	2.9	9
282	ESR spectroscopy to determine the molecular mobility of poly(ethylene oxide) grafts in amphiphilic graft copolymers. Macromolecular Rapid Communications, 1998, 19, 473-477.	2.0	8
283	Selective binding of albumin on stearyl poly(ethylene oxide) coupling polymer-modified poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222 Td	1.9	8
284	Enzyme biocatalyst route to superhydrophobic surfaces on microstructured poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	0.8	8
285	Dynamic Porous Pattern through Controlling Noncovalent Interactions in Polyelectrolyte Film for Sequential and Regional Encapsulation. ACS Applied Materials & Interfaces, 2020, 12, 42081-42088.	4.0	8
286	Electrospun fiber membrane with asymmetric NO release for the differential regulation of cell growth. Bio-Design and Manufacturing, 2021, 4, 469-478.	3.9	8
287	Build an implanted "arsenal" detachable microneedles for NIR-triggered cancer photothermo-chemotherapy. Biomaterials Science, 2021, 9, 4737-4745.	2.6	8
288	Fabrication of programmed photosensitizer-conjugated nanoassemblies by dual supramolecular self-assembly for photodynamic therapy of orthotopic hepatoma. Chemical Engineering Journal, 2022, 435, 134930.	6.6	8

#	ARTICLE	IF	CITATIONS
289	A novel urethane containing copolymer as a surface modification additive for blood contact materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 677-684.	1.7	7
290	Thermosensitive Nanocables Prepared by Surface-Initiated Atom Transfer Radical Polymerization. <i>Nanoscale Research Letters</i> , 2009, 4, 84-89.	3.1	7
291	pH-Triggered DNA delivery based on multilayer film of DNA polyplexes and charge-reversible poly(ethylenimine). <i>Thin Solid Films</i> , 2012, 520, 5426-5430.	0.8	7
292	The influence of substrate stiffness on osteogenesis of vascular smooth muscle cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111388.	2.5	7
293	High-throughput hyaluronic acid hydrogel arrays for cell selective adhesion screening. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4024-4030.	2.9	7
294	Nitric oxide pretreatment enhances ofloxacin susceptibility of biofilm concomitant with exopolysaccharide depletion. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100371.	2.0	7
295	Fabrication of "Spongy Skin" on Diversified Materials Based on Surface Swelling Non-Solvent-Induced Phase Separation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57000-57008.	4.0	7
296	Mixed-charge modification as a robust method to realize the antiviral ability of gold nanoparticles in a high protein environment. <i>Nanoscale</i> , 2021, 13, 19857-19863.	2.8	7
297	Cancer-Associated Fibroblast-Targeted Delivery of Captopril to Overcome Penetration Obstacles for Enhanced Pancreatic Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2022, 5, 3544-3553.	2.3	7
298	"Loop" or "Tail" Self-Assembly and Surface Architecture of Polystyrene-graft-%-stearyl-poly(ethylene T ₁ ETQq0 0 0 rgBT /Ov	1.6	6
299	Delivery of surface-mediated non-viral gene nanoparticles from ultrathin layer-by-layer multilayers. <i>Science China Chemistry</i> , 2010, 53, 508-513.	4.2	6
300	Layer by layer self-assembly of poly[2-(methacryloyloxy) ethyl phosphorylcholine] multilayer via the ionic complexation with zirconium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 22-26.	2.5	6
301	Supramolecular Micelles and Reverse Micelles Based on Cyclodextrin Polyrotaxanes. <i>Chinese Journal of Chemistry</i> , 2014, 32, 73-77.	2.6	6
302	An ROS-Responsive Antioxidative Macromolecular Prodrug of Caffeate for Uveitis Treatment. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 1101-1109.	2.0	6
303	The effect of formation of the liquid crystalline phase on the blood compatibility of a cholesterol modified silicone. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 277-282.	1.7	5
304	On-Demand Shape Recovery Kinetics Modulation with a Wide Regulation Range and Spatially Heterogeneous Shape Recovery Rate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11144-11150.	1.5	5
305	Spatially Confining Surface Roughness on Exponentially Growing Polyelectrolyte Multilayer Films. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900702.	1.9	5
306	Mixed-charge bionanointerfaces: Opposite charges work in harmony to meet the challenges in biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1600.	3.3	5

#	ARTICLE	IF	CITATIONS
307	Deep Mining of Subtle Differences in Cell Morphology via Deep Learning. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000172.	1.3	5
308	Intraocular Lens with Mussel-Inspired Coating for Preventing Posterior Capsule Opacification via Photothermal Effect. <i>ACS Applied Bio Materials</i> , 2021, 4, 3579-3586.	2.3	5
309	Mir-22-incorporated polyelectrolyte coating prevents intima hyperplasia after balloon-induced vascular injury. <i>Biomaterials Science</i> , 2022, 10, 3612-3623.	2.6	5
310	Surface tailoring of poly(ethylene terephthalate) via ligand-tethered comb-like PEG to enhance endothelialization. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 291-299.	1.7	4
311	Photodynamic Theranostics: Glutathione Activatable Photosensitizer- ϵ -Conjugated Pseudopolyrotaxane Nanocarriers for Photodynamic Theranostics (Small 45/2016). <i>Small</i> , 2016, 12, 6178-6178.	5.2	4
312	Nanostructured Multilayer Films Assembled from Poly(dopamine)- ϵ -Coated Carbon Nanotubes for Controlling Cell Behavior. <i>ChemNanoMat</i> , 2017, 3, 319-327.	1.5	4
313	Methemoglobin as a redox-responsive nanocarrier to trigger the in situ anticancer ability of artemisinin. <i>NPG Asia Materials</i> , 2017, 9, e423-e423.	3.8	4
314	Gradient Porous Structure Templated by Breath Figure Method. <i>Langmuir</i> , 2021, 37, 6016-6021.	1.6	4
315	Janus membranes with asymmetric cellular adhesion behaviors for regenerating eardrum perforation. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2719-2727.	2.9	4
316	The substrate stiffness at physiological range significantly modulates vascular cell behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112483.	2.5	4
317	Microneedles loaded with glutathione- ϵ -scavenging composites for nitric oxide enhanced photodynamic therapy of melanoma. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	3.9	4
318	A novel crosslinkable polymer as drug-loaded coating for biomedical device. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 137-143.	1.7	3
319	A QCM Biosensor Based on Gold Nanoparticles Amplification for Real-time Bacteria DNA Detection. , 2007, , .		3
320	Therapy effects of gold nanorods on the CNE-1 nasopharyngeal carcinoma cell line. <i>Drug Design, Development and Therapy</i> , 2012, 6, 297.	2.0	3
321	Precise 2D- ϵ -Patterned Incompatible Catalysts for Reactions in One- ϵ -Pot. <i>Chemistry - A European Journal</i> , 2019, 25, 13640-13646.	1.7	3
322	Introduction of lactobionic acid ligand into mixed-charge nanoparticles to realize in situ triggered active targeting to hepatoma cells. <i>Materials Today Bio</i> , 2019, 4, 100034.	2.6	3
323	A facile method for high-throughput screening of drug-eluting coatings in droplet microarrays based on ultrasonic spray deposition. <i>Biomaterials Science</i> , 2021, 9, 6787-6794.	2.6	3
324	A deep-learning-based workflow to deal with the defocusing problem in high-throughput experiments. <i>Bioactive Materials</i> , 2022, 11, 218-229.	8.6	3

#	ARTICLE	IF	CITATIONS
325	pH-sensitive polyion nanocomplexes for antimicrobial peptide delivery. Journal of Polymer Science, 2022, 60, 2289-2297.	2.0	3
326	Fabrication of alternating polycation and albumin multilayer coating by electrostatic layer-by-layer adsorption. Journal of Materials Science, 2004, 39, 349-351.	1.7	2
327	Modulation of cell behaviors by electrochemically active polyelectrolyte multilayers. E-Polymers, 2014, 14, 297-304.	1.3	2
328	Actuators: Combining 3D Printing with Electrospinning for Rapid Response and Enhanced Designability of Hydrogel Actuators (Adv. Funct. Mater. 19/2018). Advanced Functional Materials, 2018, 28, 1870124.	7.8	2
329	New Morphogenetic Strategy Inspired by the Viscoelasticity of Polymers. ACS Applied Materials & Interfaces, 2020, 12, 36620-36627.	4.0	2
330	Rapid build-up of high-throughput screening microarrays with biochemistry gradients via light-induced thiol-ene click chemistry. Journal of Materials Chemistry B, 2021, 9, 3032-3037.	2.9	2
331	Dynamically softened substrate regulates malignancy of breast tumor cells. Science China Materials, 2021, 64, 2580-2592.	3.5	2
332	Label-Free and In Situ Identification of Cells via Combinational Machine Learning Models. Small Methods, 2022, 6, e2101405.	4.6	2
333	Dynamic structural controlment for the functionalization of polyelectrolyte multilayer films. , 2022, 1, 100016.		2
334	Cholesterol Tethered Poly(DL-Lactic Acid) for Promoting Osteoblast Attachment and Growth. Journal of Bioactive and Compatible Polymers, 2005, 20, 527-540.	0.8	1
335	The effect of a cholesterol liquid crystalline structure on osteoblast cell behavior. Biomedical Materials (Bristol), 2009, 4, 025010.	1.7	1
336	pH-Responsive supramolecular prodrug micelles based on cucurbit[8]uril for intracellular drug delivery. Journal of Controlled Release, 2015, 213, e134-e135.	4.8	1
337	Rapid and In Situ Synthesis of Gold Nanoparticles in Redox Multilayer Film for Biosensor Applications. ChemNanoMat, 2019, 5, 1515-1520.	1.5	1
338	Bioinspired Phosphorylcholine Motivation for Biocompatible Monolayer Protected Carbon Nanotubes (CNTs) in Nanomedicine. Journal of Bionanoscience, 2008, 2, 49-53.	0.4	1
339	Detection of E. coli O157:H7 DNA by a novel QCM biosensor coupled with gold nanoparticles amplification. , 2007, , .		0
340	Camptothecin-conjugated biodegradable prodrug micelles for theranostic near-infrared fluorescent imaging and intracellular drug release. Journal of Controlled Release, 2015, 213, e37.	4.8	0
341	Light and pH dual responsive polyion complex micelles for efficient protein delivery. Journal of Controlled Release, 2015, 213, e90-e91.	4.8	0
342	Zwitterionic pendant polymer and doxorubicin decorated β -cyclodextrin guest-host micelles for efficient drug delivery. Journal of Controlled Release, 2015, 213, e129-e130.	4.8	0

#	ARTICLE	IF	CITATIONS
343	Endothelial Cells: Mechanical Adaptability of the MMP-Responsive Film Improves the Functionality of Endothelial Cell Monolayer (Adv. Healthcare Mater. 14/2017). Advanced Healthcare Materials, 2017, 6, .	3.9	0
344	Ratiometrically Designed Nanocarrier to Impact Major Cancer Pathways for Effective Pancreatic Cancer Treatment. Chemical Research in Chinese Universities, 2020, 36, 1143-1144.	1.3	0
345	FABRICATING OF DOUBLE NETWORK ENHANCED FREE-STANDING MULTILAYER FILM. Acta Polymerica Sinica, 2011, 011, 908-912.	0.0	0
346	Laser-triggered Interfacial Generation of ROS Promotes a Rapid Fabrication of Polydopamine Coating. Macromolecular Materials and Engineering, 0, , 2100987.	1.7	0
347	Introduction to bioinspired surfaces engineering for biomaterials. Journal of Materials Chemistry B, 2022, 10, 2277-2279.	2.9	0
348	pH-responsive, reversible photo-crosslinkable micelle in layer-by-layer assembly” Study on film growth and drug delivery behavior. Journal of Polymer Science, 0, , .	2.0	0