

Jian Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6706820/publications.pdf>

Version: 2024-02-01

475
papers

17,627
citations

17440

63
h-index

28297

105
g-index

489
all docs

489
docs citations

489
times ranked

20158
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer/Silica Nanocomposites: Preparation, Characterization, Properties, and Applications. <i>Chemical Reviews</i> , 2008, 108, 3893-3957.	47.7	1,905
2	Functional Supramolecular Polymers for Biomedical Applications. <i>Advanced Materials</i> , 2015, 27, 498-526.	21.0	429
3	A Yolk-Shell Structured FePO ₄ Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17504-17510.	13.8	275
4	Surface modification of cellulose membranes with zwitterionic polymers for resistance to protein adsorption and platelet adhesion. <i>Journal of Membrane Science</i> , 2010, 350, 387-394.	8.2	223
5	Effect of the length of the side chains of comb-like copolymer dispersants on dispersion and rheological properties of concentrated cement suspensions. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 624-633.	9.4	194
6	Bamboo-like Composites of V ₂ O ₅ /Polyindole and Activated Carbon Cloth as Electrodes for All-Solid-State Flexible Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3776-3783.	8.0	194
7	A Yolk-Shell Structured FePO ₄ Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 17657-17663.	2.0	191
8	Dopamine fluorescent sensors based on polypyrrole/graphene quantum dots core/shell hybrids. <i>Biosensors and Bioelectronics</i> , 2015, 64, 404-410.	10.1	184
9	Covalent immobilization of chitosan/heparin complex with a photosensitive hetero-bifunctional crosslinking reagent on PLA surface. <i>Biomaterials</i> , 2002, 23, 4657-4665.	11.4	176
10	Bio-inspired nitric-oxide-driven nanomotor. <i>Nature Communications</i> , 2019, 10, 966.	12.8	176
11	Various approaches to modify biomaterial surfaces for improving hemocompatibility. <i>Advances in Colloid and Interface Science</i> , 2004, 110, 5-17.	14.7	165
12	Synthesis and characterization of water-soluble O-succinyl-chitosan. <i>European Polymer Journal</i> , 2003, 39, 1629-1634.	5.4	163
13	Grafting of Zwitterion from Cellulose Membranes via ATRP for Improving Blood Compatibility. <i>Biomacromolecules</i> , 2009, 10, 2809-2816.	5.4	163
14	Ultrasensitive dopamine sensor based on novel molecularly imprinted polypyrrole coated carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2014, 58, 237-241.	10.1	158
15	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110596.	5.0	141
16	Immobilization and direct electrochemistry of glucose oxidase on a tetragonal pyramid-shaped porous ZnO nanostructure for a glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1286-1291.	10.1	139
17	Improvement of Hemocompatibility of Polycaprolactone Film Surfaces with Zwitterionic Polymer Brushes. <i>Langmuir</i> , 2011, 27, 11575-11581.	3.5	135
18	Electrospun polyurethane/keratin/AgNP biocomposite mats for biocompatible and antibacterial wound dressings. <i>Journal of Materials Chemistry B</i> , 2016, 4, 635-648.	5.8	129

#	ARTICLE	IF	CITATIONS
19	Preparation of N-alkyl-O-sulfate chitosan derivatives and micellar solubilization of taxol. <i>Carbohydrate Polymers</i> , 2003, 54, 137-141.	10.2	127
20	Insight into adsorption of combined antibiotic-heavy metal contaminants on graphene oxide in water. <i>Separation and Purification Technology</i> , 2020, 236, 116278.	7.9	116
21	Au nanoparticles decorated polypyrrole/reduced graphene oxide hybrid sheets for ultrasensitive dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 759-763.	7.8	114
22	Carboxymethyl Chitosan Modified Carbon Nanoparticle for Controlled Emamectin Benzoate Delivery: Improved Solubility, pH-Responsive Release, and Sustainable Pest Control. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34258-34267.	8.0	113
23	Magnetofluorescent Fe ₃ O ₄ /carbon quantum dots coated single-walled carbon nanotubes as dual-modal targeted imaging and chemo/photodynamic/photothermal triple-modal therapeutic agents. <i>Chemical Engineering Journal</i> , 2018, 338, 526-538.	12.7	105
24	Graphene Oxide Noncovalent Photosensitizer and Its Anticancer Activity In Vitro. <i>Chemistry - A European Journal</i> , 2011, 17, 12084-12091.	3.3	104
25	Grafting of carboxybetaine brush onto cellulose membranes via surface-initiated ARGET-ATRP for improving blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 52-58.	5.0	102
26	Combination of chemotherapy and photodynamic therapy using graphene oxide as drug delivery system. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 135, 7-16.	3.8	100
27	Biodegradable Poly(β -glutamic acid)@glucose oxidase@carbon dot nanoparticles for simultaneous multimodal imaging and synergetic cancer therapy. <i>Biomaterials</i> , 2020, 252, 120106.	11.4	99
28	Facile synthesis of ZnO QDs@GO-CS hydrogel for synergetic antibacterial applications and enhanced wound healing. <i>Chemical Engineering Journal</i> , 2019, 378, 122043.	12.7	98
29	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14458-14465.	13.8	94
30	A facilely prepared polypyrrole@reduced graphene oxide composite with a crumpled surface for high performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6539.	10.3	93
31	Nitric Oxide-Driven Nanomotor for Deep Tissue Penetration and Multidrug Resistance Reversal in Cancer Therapy. <i>Advanced Science</i> , 2021, 8, 2002525.	11.2	93
32	Polyurethane vascular catheter surface grafted with zwitterionic sulfobetaine monomer activated by ozone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 35, 1-5.	5.0	91
33	Adsorption Mechanism of Comb Polymer Dispersants at the Cement/Water Interface. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 790-798.	2.4	90
34	Controlled release and antibacterial activity chlorhexidine acetate (CA) intercalated in montmorillonite. <i>International Journal of Pharmaceutics</i> , 2009, 382, 45-49.	5.2	88
35	Platelet adhesive resistance of segmented polyurethane film surface-grafted with vinyl benzyl sulfo monomer of ammonium zwitterions. <i>Biomaterials</i> , 2003, 24, 4223-4231.	11.4	83
36	Facilely prepared polypyrrole-reduced graphite oxide core-shell microspheres with high dispersibility for electrochemical detection of dopamine. <i>Chemical Communications</i> , 2013, 49, 4610.	4.1	82

#	ARTICLE	IF	CITATIONS
37	Facile Synthesis of Molecularly Imprinted Graphene Quantum Dots for the Determination of Dopamine with Affinity-Adjustable. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11741-11747.	8.0	82
38	Improvement of blood compatibility on cellulose membrane surface by grafting betaines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 147-155.	5.0	79
39	High-efficiency loading of hypocrellin B on graphene oxide for photodynamic therapy. <i>Carbon</i> , 2012, 50, 5594-5604.	10.3	79
40	Chemical graft polymerization of sulfobetaine monomer on polyurethane surface for reduction in platelet adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 39, 87-94.	5.0	78
41	Chemically induced graft copolymerization of 2-hydroxyethyl methacrylate onto polyurethane surface for improving blood compatibility. <i>Applied Surface Science</i> , 2011, 258, 755-760.	6.1	78
42	Self-assembly of supramolecularly engineered polymers and their biomedical applications. <i>Chemical Communications</i> , 2014, 50, 11994-12017.	4.1	77
43	Dispersion of Silica Fines in Water-Ethanol Suspensions. <i>Journal of Colloid and Interface Science</i> , 2001, 238, 279-284.	9.4	76
44	Insight into the effect of particle size distribution differences on the antibacterial activity of carbon dots. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 505-519.	9.4	76
45	A Simple and Low-Cost Method for the Preparation of Monodisperse Hollow Silica Spheres. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11623-11629.	3.1	75
46	Surface-initiated RAFT polymerization of sulfobetaine from cellulose membranes to improve hemocompatibility and antibiofouling property. <i>Polymer Chemistry</i> , 2013, 4, 5074.	3.9	75
47	A novel nitrite biosensor based on the direct electron transfer of hemoglobin immobilized on CdS hollow nanospheres. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1869-1873.	10.1	73
48	Fabrication of PHBV/keratin composite nanofibrous mats for biomedical applications. <i>Macromolecular Research</i> , 2009, 17, 850-855.	2.4	73
49	Multistructured vascular patches constructed via layer-by-layer self-assembly of heparin and chitosan for vascular tissue engineering applications. <i>Chemical Engineering Journal</i> , 2019, 370, 1057-1067.	12.7	73
50	Biosafety, Functionalities, and Applications of Biomedical Micro/nanomotors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13158-13176.	13.8	73
51	Enhanced blood compatibility of polyurethane functionalized with sulfobetaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 90-95.	5.0	72
52	Bioinspired carbon quantum dots for sensitive fluorescent detection of vitamin B12 in cell system. <i>Analytica Chimica Acta</i> , 2018, 1032, 154-162.	5.4	69
53	Preparation of lotus-leaf-like polystyrene micro- and nanostructure films and its blood compatibility. <i>Journal of Materials Chemistry</i> , 2009, 19, 9025.	6.7	68
54	Multicolor imaging and the anticancer effect of a bifunctional silica nanosystem based on the complex of graphene quantum dots and hypocrellin A. <i>Chemical Communications</i> , 2015, 51, 421-424.	4.1	68

#	ARTICLE	IF	CITATIONS
55	Synthesis and characterization of chitosan grafted poly(N,N-dimethyl-N-methacryloyloxyethyl-N-(3-sulfopropyl) ammonium) initiated by ceric (IV) ion. <i>European Polymer Journal</i> , 2003, 39, 847-850.	5.4	67
56	Anti-biofouling ability and cytocompatibility of the zwitterionic brushes-modified cellulose membrane. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7222-7231.	5.8	67
57	Zwitterionic modification of polyurethane membranes for enhancing the anti-fouling property. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 91-101.	9.4	66
58	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie</i> , 2020, 132, 14566-14573.	2.0	66
59	Dual enzyme-mimic nanozyme based on single-atom construction strategy for photothermal-augmented nanocatalytic therapy in the second near-infrared biowindow. <i>Biomaterials</i> , 2022, 281, 121325.	11.4	66
60	Chemical modification of cellulose membranes with sulfo ammonium zwitterionic vinyl monomer to improve hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 249-257.	5.0	65
61	Effect of organophilic montmorillonite on polyurethane/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2536-2542.	2.6	65
62	Blood compatibility of chitosan/heparin complex surface modified ePTFE vascular graft. <i>Applied Surface Science</i> , 2005, 241, 485-492.	6.1	65
63	Effects of chemicals and blending petroleum coke on the properties of low-rank Indonesian coal water mixtures. <i>Fuel Processing Technology</i> , 2008, 89, 249-253.	7.2	65
64	Functionalization of polyvinyl alcohol composite film wrapped in a-ZnO@CuO@Au nanoparticles for antibacterial application and wound healing. <i>Applied Materials Today</i> , 2019, 17, 36-44.	4.3	65
65	Grafting sulfobetaine monomer onto the segmented poly(ether-urethane) surface to improve hemocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 1081-1092.	3.5	64
66	Preparation, characterization, and properties of TiO ₂ /PLA nanocomposites by in situ polymerization. <i>Polymer Composites</i> , 2009, 30, 1074-1080.	4.6	64
67	Highly dispersed carbon nanotube/polypyrrole core/shell composites with improved electrochemical capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15230.	10.3	63
68	Preparation of polypropylene superhydrophobic surface and its blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 247-250.	5.0	62
69	Differences in cytocompatibility between collagen, gelatin and keratin. <i>Materials Science and Engineering C</i> , 2016, 59, 30-34.	7.3	62
70	Ozone-induced grafting phosphorylcholine polymer onto silicone film grafting 2-methacryloyloxyethyl phosphorylcholine onto silicone film to improve hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 215-223.	5.0	60
71	Platelet adhesion and protein adsorption on silicone rubber surface by ozone-induced grafted polymerization with carboxybetaine monomer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 55-62.	5.0	60
72	Fabrication of protein-doped PLA composite nanofibrous scaffolds for tissue engineering. <i>Polymer International</i> , 2008, 57, 1188-1193.	3.1	60

#	ARTICLE	IF	CITATIONS
73	Novel wound dressing based on nanofibrous PHBV-keratin mats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1027-1035.	2.7	60
74	Near-infrared carbon dot-based platform for bioimaging and photothermal/photodynamic/quaternary ammonium triple synergistic sterilization triggered by single NIR light source. <i>Carbon</i> , 2021, 176, 126-138.	10.3	60
75	Preparation and characterization of nylon 66/montmorillonite nanocomposites with co-treated montmorillonites. <i>European Polymer Journal</i> , 2003, 39, 1641-1646.	5.4	59
76	Blood compatibility of polyurethane surface grafted copolymerization with sulfobetaine monomer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 36, 27-33.	5.0	59
77	Ultrasmall Graphene Oxide Modified with Fe ₃ O ₄ Nanoparticles as a Fenton-Like Agent for Methylene Blue Degradation. <i>ACS Applied Nano Materials</i> , 2019, 2, 7074-7084.	5.0	59
78	Light-Activated Biodegradable Covalent Organic Framework-Integrated Heterojunction for Photodynamic, Photothermal, and Gaseous Therapy of Chronic Wound Infection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42396-42410.	8.0	59
79	Hemocompatibility and anti-biofouling property improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of zwitterionic cysteine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 327-332.	5.0	58
80	Grafting sulfobetaine monomer onto silicone surface to improve haemocompatibility. <i>Polymer International</i> , 2004, 53, 121-126.	3.1	57
81	Multifunctional Nanocomposites for Targeted, Photothermal, and Chemotherapy. <i>Chemistry of Materials</i> , 2019, 31, 1847-1859.	6.7	57
82	Surface modification of segmented poly(ether urethane) by grafting sulfo ammonium zwitterionic monomer to improve hemocompatibilities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 28, 1-9.	5.0	55
83	Antibacterial and anticoagulation properties of carboxylated graphene oxide-lanthanum complexes. <i>Journal of Materials Chemistry</i> , 2012, 22, 1673-1678.	6.7	55
84	The influence of fiber diameter of electrospun poly(lactic acid) on drug delivery. <i>Fibers and Polymers</i> , 2012, 13, 1120-1125.	2.1	55
85	S-nitrosated keratin composite mats with NO release capacity for wound healing. <i>Chemical Engineering Journal</i> , 2020, 400, 125964.	12.7	55
86	Synthesis and antimicrobial activities of polymer/montmorillonite-chlorhexidine acetate nanocomposite films. <i>Applied Clay Science</i> , 2009, 42, 667-670.	5.2	54
87	An electrochemiluminescent aptasensor for amplified detection of exosomes from breast tumor cells (MCF-7 cells) based on G-quadruplex/hemin DNAzymes. <i>Analyst</i> , The, 2019, 144, 3668-3675.	3.5	54
88	Neoadjuvant Chemotherapy Based on Abraxane/Human Neutrophils Cytopharmaceuticals with Radiotherapy for Gastric Cancer. <i>Small</i> , 2019, 15, e1804191.	10.0	54
89	Preparation and evaluation of well-defined hemocompatible layered double hydroxide-poly(sulfobetaine) nanohybrids. <i>Journal of Materials Chemistry</i> , 2012, 22, 15362.	6.7	53
90	Near-infrared light-mediated photodynamic/photothermal therapy nanoplatfrom by the assembly of Fe ₃ O ₄ ; carbon dots with graphitic black phosphorus quantum dots. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2803-2819.	6.7	53

#	ARTICLE	IF	CITATIONS
91	Multi-functional zwitterionic coating for silicone-based biomedical devices. <i>Chemical Engineering Journal</i> , 2020, 398, 125663.	12.7	53
92	Platelet-derived nanomotor coated balloon for atherosclerosis combination therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5765-5775.	5.8	53
93	A novel tetragonal pyramid-shaped porous ZnO nanostructure and its application in the biosensing of horseradish peroxidase. <i>Journal of Materials Chemistry</i> , 2008, 18, 1919.	6.7	51
94	Effects of chemical structure on the properties of carboxylate-type copolymer dispersant for coal-water slurry. <i>AIChE Journal</i> , 2009, 55, 2461-2467.	3.6	51
95	Zwitterionic polymer brushes via dopamine-initiated ATRP from PET sheets for improving hemocompatible and antifouling properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 275-284.	5.0	51
96	Zwitterionic Polymer-Gated Au@TiO ₂ Core-Shell Nanoparticles for Imaging-Guided Combined Cancer Therapy. <i>Theranostics</i> , 2019, 9, 5035-5048.	10.0	51
97	Mn ²⁺ complex-modified polydopamine- and dual emissive carbon dots based nanoparticles for in vitro and in vivo trimodality fluorescent, photothermal, and magnetic resonance imaging. <i>Chemical Engineering Journal</i> , 2019, 373, 1054-1063.	12.7	51
98	Sensitive electrochemical biosensor for MicroRNAs based on duplex-specific nuclease-assisted target recycling followed with gold nanoparticles and enzymatic signal amplification. <i>Analytica Chimica Acta</i> , 2019, 1064, 33-39.	5.4	51
99	Study on a novel poly (vinyl alcohol)/graphene oxide-citicoline sodium-lanthanum wound dressing: Biocompatibility, bioactivity, antimicrobial activity, and wound healing effect. <i>Chemical Engineering Journal</i> , 2020, 395, 125059.	12.7	51
100	Electrochemical immunosensor based on hyperbranched structure for carcinoembryonic antigen detection. <i>Biosensors and Bioelectronics</i> , 2014, 58, 9-16.	10.1	50
101	Label-free immunosensor based on hyperbranched polyester for specific detection of α -fetoprotein. <i>Biosensors and Bioelectronics</i> , 2017, 92, 1-7.	10.1	50
102	The photocatalytic and antibacterial activities of neodymium and iodine doped TiO ₂ nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 69-74.	5.0	49
103	Extraction, characterization, and NO release potential of keratin from human hair. <i>Materials Letters</i> , 2016, 175, 188-190.	2.6	49
104	Synthesis, characterization, and microsphere formation of galactosylated chitosan. <i>Journal of Applied Polymer Science</i> , 2004, 91, 659-665.	2.6	48
105	Spectroscopic studies on the interaction of hypocrellin A and hemoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 151-155.	3.9	48
106	In situ polymerization of highly dispersed polypyrrole on reduced graphite oxide for dopamine detection. <i>Biosensors and Bioelectronics</i> , 2013, 50, 157-160.	10.1	48
107	Synthesis and Type I/Type II photosensitizing properties of a novel amphiphilic zinc phthalocyanine. <i>Dyes and Pigments</i> , 2006, 71, 61-67.	3.7	47
108	Magnetofluorescent Carbon Quantum Dot Decorated Multiwalled Carbon Nanotubes for Dual-Modal Targeted Imaging in Chemo-Photothermal Synergistic Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 151-162.	5.2	47

#	ARTICLE	IF	CITATIONS
109	A theranostic nanocomposite with integrated black phosphorus nanosheet, Fe ₃ O ₄ @MnO ₂ -doped upconversion nanoparticles and chlorin for simultaneous multimodal imaging, highly efficient photodynamic and photothermal therapy. <i>Chemical Engineering Journal</i> , 2020, 391, 123525.	12.7	47
110	Copolymer Coatings Consisting of 2-Methacryloyloxyethyl Phosphorylcholine and 3-Methacryloyloxypropyl Trimethoxysilane via ATRP To Improve Cellulose Biocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4031-4039.	8.0	46
111	Facile surface modification of silicone rubber with zwitterionic polymers for improving blood compatibility. <i>Materials Science and Engineering C</i> , 2013, 33, 3865-3874.	7.3	46
112	Enhanced dual contrast agent, Co ²⁺ -doped NaYF ₄ :Yb ³⁺ ,Tm ³⁺ nanorods, for near infrared-to-near infrared upconversion luminescence and magnetic resonance imaging. <i>Biomaterials</i> , 2014, 35, 9167-9176.	11.4	46
113	A novel near-infrared fluorescent probe for highly selective detection of cysteine and its application in living cells. <i>Talanta</i> , 2018, 185, 477-482.	5.5	46
114	The structure and properties of PA6/MMT nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , 2004, 44, 2070-2074.	3.1	45
115	Biocompatibility of CS@PPy nanocomposites and their application to glucose biosensor. <i>Bioelectrochemistry</i> , 2012, 88, 1-7.	4.6	45
116	Applications of antibiofouling PEG-coating in electrochemical biosensors for determination of glucose in whole blood. <i>Electrochimica Acta</i> , 2013, 89, 549-554.	5.2	45
117	Chemical grafting of sulfobetaine onto poly(ether urethane) surface for improving blood compatibility. <i>Polymer International</i> , 2003, 52, 1869-1875.	3.1	44
118	Preparation of Silica-Coated Poly(styrene- <i>co</i> -4-vinylpyridine) Particles and Hollow Particles. <i>Langmuir</i> , 2008, 24, 10453-10461.	3.5	44
119	Gold nanoparticles coated polystyrene/reduced graphite oxide microspheres with improved dispersibility and electrical conductivity for dopamine detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 310-314.	5.0	44
120	Preparation of Water-Soluble Hyperbranched Polyester Nanoparticles with Sulfonic Acid Functional Groups and Their Micelles Behavior, Anticoagulant Effect and Cytotoxicity. <i>Langmuir</i> , 2013, 29, 8402-8409.	3.5	43
121	Facile synthesis of trimetallic PtAuCu alloy nanowires as High Performance electrocatalysts for methanol oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2019, 780, 504-511.	5.5	43
122	Synthesis of multicore-shell FeS ₂ @C nanocapsules for stable potassium-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 73, 126-132.	12.9	43
123	Surface modification of SPEU films by ozone induced graft copolymerization to improve hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 29, 247-256.	5.0	42
124	External Heavy-Atomic Construction of Photosensitizer Nanoparticles for Enhanced in Vitro Photodynamic Therapy of Cancer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12744-12749.	2.6	42
125	Preparation, blood compatibility and anticoagulant effect of heparin-loaded polyurethane microspheres. <i>Journal of Materials Chemistry B</i> , 2013, 1, 447-453.	5.8	42
126	A photochemical method for the surface modification of poly(vinyl chloride) with O-butyrylchitosan to improve blood compatibility. <i>Process Biochemistry</i> , 2004, 39, 1151-1157.	3.7	41

#	ARTICLE	IF	CITATIONS
127	Facile Synthesis of Highly Active Three-Dimensional Urchin-like Pd@PtNi Nanostructures for Improved Methanol and Ethanol Electrochemical Oxidation. ACS Applied Nano Materials, 2018, 1, 3226-3235.	5.0	41
128	Ag@Fe ₃ O ₄ @C nanoparticles for multi-modal imaging-guided chemo-photothermal synergistic targeting for cancer therapy. Analytica Chimica Acta, 2019, 1086, 122-132.	5.4	41
129	Image-guided cancer therapy using aptamer-functionalized cross-linked magnetic-responsive Fe ₃ O ₄ @carbon nanoparticles. Analytica Chimica Acta, 2019, 1056, 108-116.	5.4	41
130	Detection of organophosphorus pesticides by nanogold/mercaptomethamidophos multi-residue electrochemical biosensor. Food Chemistry, 2021, 354, 129511.	8.2	41
131	Ultrasmall black phosphorus quantum dots: synthesis, characterization, and application in cancer treatment. Analyst, The, 2018, 143, 5822-5833.	3.5	40
132	Polypeptide-Functionalized NaYF ₄ :Yb ³⁺ ,Er ³⁺ Nanoparticles: Red-Emission Biomarkers for High Quality Bioimaging Using a 915 nm Laser. ACS Applied Materials & Interfaces, 2014, 6, 18329-18336.	8.0	39
133	Anti-biofouling contact lenses bearing surface-immobilized layers of zwitterionic polymer by one-step modification. RSC Advances, 2014, 4, 15030.	3.6	39
134	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. Theranostics, 2016, 6, 1703-1716.	10.0	39
135	Genipin cross-linked carbon dots for antimicrobial, bioimaging and bacterial discrimination. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110930.	5.0	39
136	Platelet adhesive resistance of polyurethane surface grafted with zwitterions of sulfobetaine. Colloids and Surfaces B: Biointerfaces, 2004, 36, 19-26.	5.0	38
137	Novel diaminomaleonitrile-based fluorescent probe for ratiometric detection and bioimaging of hypochlorite. Sensors and Actuators B: Chemical, 2018, 265, 365-370.	7.8	38
138	<sc>PDA</sc>@<sc>Ti₃C₂T_x</i></sc> as a novel carrier for pesticide delivery and its application in plant protection: <sc>NIR</sc>-responsive</sc> controlled release and sustained antipest activity. Pest Management Science, 2021, 77, 4960-4970.	3.4	38
139	MXene (Ti₃C₂) Based Pesticide Delivery System for Sustained Release and Enhanced Pest Control. ACS Applied Bio Materials, 2021, 4, 6912-6923.	4.6	38
140	Waste polystyrene foam-graft-acrylic acid/montmorillonite superabsorbent nanocomposite. Journal of Applied Polymer Science, 2007, 104, 2341-2349.	2.6	37
141	Hemocompatibility improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of zwitterions. Materials Science and Engineering C, 2014, 36, 42-48.	7.3	37
142	Mesoporous Silica Nanoparticles-Encapsulated Agarose and Heparin as Anticoagulant and Resisting Bacterial Adhesion Coating for Biomedical Silicone. Langmuir, 2017, 33, 5245-5252.	3.5	37
143	An Optimally Designed Engineering Exosomeâ€œReductive COF Integrated Nanoagent for Synergistically Enhanced Diabetic Fester Wound Healing. Small, 2022, 18, .	10.0	37
144	In vitro studies of platelet adhesion on UV radiation-treated nylon surface. Carbohydrate Polymers, 2005, 59, 19-25.	10.2	36

#	ARTICLE	IF	CITATIONS
145	Immobilization of horseradish peroxidase on O-carboxymethylated chitosan/sol-gel matrix. <i>Reactive and Functional Polymers</i> , 2006, 66, 863-870.	4.1	36
146	Synthesis and properties of a poly(acrylic acid)/montmorillonite superabsorbent nanocomposite. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5725-5730.	2.6	36
147	Correlation between Dielectric/Electric Properties and Cross-Linking/Charge Density Distributions of Thermally Sensitive Spherical PNIPAM Microgels. <i>Macromolecules</i> , 2012, 45, 6158-6167.	4.8	36
148	A multi-spectroscopic approach to investigate the interaction of prodigiosin with ct-DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 497-502.	3.9	36
149	A mitochondria-targeted fluorescent probe based on coumarin-pyridine derivatives for hypochlorite imaging in living cells and zebrafish. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7332-7337.	5.8	36
150	Platelet adhesion onto segmented polyurethane surfaces modified by carboxybetaine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 1339-1349.	3.5	35
151	Introduction of anticoagulation group to polypropylene film by radiation grafting and its blood compatibility. <i>Applied Surface Science</i> , 2004, 228, 26-33.	6.1	35
152	Metal-Organic Framework (MOF)-Assisted Construction of Core-Shell Nanoflower-like CuO/CF@NiCoMn-OH for High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2021, 35, 8387-8395.	5.1	35
153	A facile, controllable fabrication of polystyrene/graphene core-shell microspheres and its application in high-performance electrocatalysis. <i>Chemical Communications</i> , 2012, 48, 7997.	4.1	34
154	Preparation of keratin/chlorhexidine complex nanoparticles for long-term and dual stimuli-responsive release. <i>RSC Advances</i> , 2015, 5, 82334-82341.	3.6	34
155	Enhanced Plasmon-Induced Resonance Energy Transfer (PIRET)-Mediated Photothermal and Photodynamic Therapy Guided by Photoacoustic and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31615-31626.	8.0	34
156	Collagen/Chitosan Complexes: Preparation, Antioxidant Activity, Tyrosinase Inhibition Activity, and Melanin Synthesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 313.	4.1	34
157	Chemical Reactions of 2,5-Dimercapto-1,3,4-thiadiazole (DMTD) with Metallic Copper, Silver, and Mercury. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7984-7989.	2.6	33
158	A new sol-gel silica nanovehicle preparation for photodynamic therapy in vitro. <i>International Journal of Pharmaceutics</i> , 2010, 386, 131-137.	5.2	33
159	Zwitterionic copolymers bearing phosphonate or phosphonic motifs as novel metal-anchorable anti-fouling coatings. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5380-5389.	5.8	33
160	Manganese ion chelated FeOCl@PB@PDA@BPQDs nanocomposites as a tumor microenvironment-mediated nanoplatform for enhanced tumor imaging and therapy. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127491.	7.8	33
161	Tumor Microenvironment-Activatable Cyclic Cascade Reaction to Reinforce Multimodal Combination Therapy by Destroying the Extracellular Matrix. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12960-12971.	8.0	33
162	Poly(hexamethylene biguanide) (PHMB) as high-efficiency antibacterial coating for titanium substrates. <i>Journal of Hazardous Materials</i> , 2021, 411, 125110.	12.4	33

#	ARTICLE	IF	CITATIONS
163	Preparation and photodynamic properties of water-soluble hypocrellin A-silica nanospheres. <i>Materials Letters</i> , 2008, 62, 2910-2913.	2.6	32
164	Water-soluble hypocrellin A nanoparticles as a photodynamic therapy delivery system. <i>Dyes and Pigments</i> , 2009, 82, 90-94.	3.7	32
165	Novel Blood-Compatible Polyurethane Ionomer Nanoparticles. <i>Macromolecules</i> , 2009, 42, 9366-9368.	4.8	32
166	A novel glucose biosensor based on phosphonic acid-functionalized silica nanoparticles for sensitive detection of glucose in real samples. <i>Electrochimica Acta</i> , 2013, 89, 278-283.	5.2	32
167	Novel preparation and properties of EPDM/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2578-2585.	2.6	31
168	Novel polylactide/vermiculite nanocomposites by in situ intercalative polymerization. I. Preparation, characterization, and properties. <i>Polymer Composites</i> , 2007, 28, 545-550.	4.6	31
169	Modification of polyethylene with Pluronic F127 for improvement of blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 362-365.	5.0	31
170	Innovative biocompatible nanospheres as biomimetic platform for electrochemical glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 44, 1-5.	10.1	31
171	Polyurethane/polyurethane nanoparticle-modified expanded poly(tetrafluoroethylene) vascular patches promote endothelialization. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2131-2140.	4.0	31
172	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. <i>Analytical Chemistry</i> , 2018, 90, 9218-9225.	6.5	31
173	In situ implantable three-dimensional extracellular matrix bioactive composite scaffold for postoperative skin cancer therapy. <i>Chemical Engineering Journal</i> , 2020, 400, 125949.	12.7	31
174	Introduction of photocrosslinkable chitosan to polyethylene film by radiation grafting and its blood compatibility. <i>Materials Science and Engineering C</i> , 2004, 24, 479-485.	7.3	30
175	Fabrication of glucose biosensor for whole blood based on Au/hyperbranched polyester nanoparticles multilayers by antibiofouling and self-assembly technique. <i>Analytica Chimica Acta</i> , 2013, 776, 17-23.	5.4	30
176	PCL/sulfonated keratin mats for vascular tissue engineering scaffold with potential of catalytic nitric oxide generation. <i>Materials Science and Engineering C</i> , 2020, 107, 110246.	7.3	30
177	Injectable In Situ Self-Cross-Linking Hydrogels Based on Hemoglobin, Carbon Quantum Dots, and Sodium Alginate for Real-Time Detection of Wound Bacterial Infection and Efficient Postoperative Prevention of Tumor Recurrence. <i>Langmuir</i> , 2020, 36, 13263-13273.	3.5	30
178	A new temperature-responsive controlled-release pesticide formulation of poly(N-isopropylacrylamide) modified graphene oxide as the nanocarrier for lambda-cyhalothrin delivery and their application in pesticide transportation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125987.	4.7	30
179	Study on the structure and properties of EVA/clay nanocomposites. <i>Journal of Materials Science</i> , 2004, 39, 4301-4303.	3.7	29
180	Study of elastomeric polyurethane nanocomposites prepared from grafted organically modified montmorillonite. <i>Colloid and Polymer Science</i> , 2006, 284, 1057-1061.	2.1	29

#	ARTICLE	IF	CITATIONS
181	Self-Assembly Protein Superstructures as a Powerful Chemodynamic Therapy Nanoagent for Glioblastoma Treatment. <i>Nano-Micro Letters</i> , 2020, 12, 151.	27.0	29
182	Rational design of phosphonate/quaternary amine block polymer as an high-efficiency antibacterial coating for metallic substrates. <i>Journal of Materials Science and Technology</i> , 2021, 62, 96-106.	10.7	29
183	Engineered Platelet-Based Micro/Nanomotors for Cancer Therapy. <i>Small</i> , 2021, 17, e2104912.	10.0	29
184	Platelet adhesion on a polyurethane surface grafted with a zwitterionic monomer of sulfobetaine via a Jeffamine spacer. <i>Polymer International</i> , 2004, 53, 1722-1728.	3.1	28
185	Preparation and characterization of NiO/MgO/Al ₂ O ₃ supported CoPcS catalyst and its application to mercaptan oxidation. <i>Fuel Processing Technology</i> , 2007, 88, 343-348.	7.2	28
186	Evaluation of antithrombogenic and antibacterial activities of a graphite oxide/heparin-benzalkonium chloride composite. <i>Carbon</i> , 2009, 47, 1343-1350.	10.3	28
187	Design and Investigation of Penetrating Mechanism of Octaarginine-Modified Alginate Nanoparticles for Improving Intestinal Insulin Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 268-279.	3.3	28
188	A pure molecular drug hydrogel for post-surgical cancer treatment. <i>Biomaterials</i> , 2021, 265, 120403.	11.4	28
189	Antibacterial fluorescent nano-sized lanthanum-doped carbon quantum dot embedded polyvinyl alcohol for accelerated wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 973-983.	9.4	28
190	Prussian Blue Nanozyme Promotes the Survival Rate of Skin Flaps by Maintaining a Normal Microenvironment. <i>ACS Nano</i> , 2022, 16, 9559-9571.	14.6	28
191	Ozone-induced grafting of a sulfoammonium zwitterionic polymer onto low-density polyethylene film for improving hemocompatibility. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3697-3703.	2.6	27
192	Synthesis and antifungal activities of polymer/montmorillonite-terbinafine hydrochloride nanocomposite films. <i>Applied Clay Science</i> , 2009, 46, 136-140.	5.2	27
193	Preparation of Electrochemical Cytosensor for Sensitive Detection of HeLa Cells Based on Self-Assembled Monolayer. <i>Electrochimica Acta</i> , 2014, 123, 511-517.	5.2	27
194	Real-time self-tracking of an anticancer small molecule nanodrug based on colorful fluorescence variations. <i>RSC Advances</i> , 2016, 6, 12472-12478.	3.6	27
195	Mussel-Inspired Surface Functionalization of PET with Zwitterions and Silver Nanoparticles for the Dual-Enhanced Antifouling and Antibacterial Properties. <i>Langmuir</i> , 2019, 35, 1788-1797.	3.5	27
196	Poly(ϵ -caprolactone)/keratin/heparin/VEGF biocomposite mats for vascular tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 292-300.	4.0	27
197	Wound healing acceleration by antibacterial biodegradable black phosphorus nanosheets loaded with cationic carbon dots. <i>Journal of Materials Science</i> , 2021, 56, 6411-6426.	3.7	27
198	The preparation and properties of dextrin-graft-acrylic acid/montmorillonite superabsorbent nanocomposite. <i>Polymer Composites</i> , 2009, 30, 976-981.	4.6	26

#	ARTICLE	IF	CITATIONS
199	Novel triethanolamine assisted sol-gel synthesis of N-doped TiO ₂ hollow spheres. <i>Materials Letters</i> , 2010, 64, 1398-1400.	2.6	26
200	An aptasensor based on heparin-mimicking hyperbranched polyester with anti-biofouling interface for sensitive thrombin detection. <i>Biosensors and Bioelectronics</i> , 2018, 101, 174-180.	10.1	26
201	Tirapazamine-embedded polyplatinum(IV) complex: a prodrug combo for hypoxia-activated synergistic chemotherapy. <i>Biomaterials Science</i> , 2020, 8, 694-701.	5.4	26
202	New biocompatible polypyrrole-based films with good blood compatibility and high electrical conductivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 41-45.	5.0	25
203	Electrospinning of antibacterial poly(vinylidene fluoride) nanofibers containing silver nanoparticles. <i>Journal of Applied Polymer Science</i> , 2010, 116, 668-672.	2.6	25
204	Surface-initiated reverse atom transfer radical polymerization (SI-RATRP) for blood-compatible polyurethane substrates. <i>Applied Surface Science</i> , 2011, 258, 618-626.	6.1	25
205	Blood compatibility of a new zwitterionic bare metal stent with hyperbranched polymer brushes. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5036.	5.8	25
206	Preparation of a novel immunosensor for tumor biomarker detection based on ATRP technique. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2132.	5.8	25
207	An enhanced chemotherapeutic effect facilitated by sonication of MSN. <i>Dalton Transactions</i> , 2017, 46, 11875-11883.	3.3	25
208	Surface modification of porous PLGA scaffolds with plasma for preventing dimensional shrinkage and promoting scaffold-cell/tissue interactions. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7605-7613.	5.8	25
209	Facilely prepared oxidized carbon Fiber@Co ₃ O ₄ @RGO as negative electrode for a novel asymmetric supercapacitor with high areal energy and power density. <i>Applied Surface Science</i> , 2018, 450, 66-76.	6.1	25
210	A Safe and Efficient Strategy for the Rapid Elimination of Blood Lead In Vivo Based on a Capture-Fix-Separate Mechanism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10582-10586.	13.8	25
211	Graphene Oxide as the Potential Vector of Hydrophobic Pesticides: Ultrahigh Pesticide Loading Capacity and Improved Antipest Activity. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 182-191.	2.3	25
212	Covalently construction of poly(hexamethylene biguanide) as high-efficiency antibacterial coating for silicone rubber. <i>Chemical Engineering Journal</i> , 2021, 412, 128707.	12.7	25
213	Surface modification using photocrosslinkable chitosan for improving hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 38, 47-53.	5.0	24
214	Studies on crystal morphology and crystallization kinetics of polypropylene filled with CaCO ₃ of different size and size distribution. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2437-2444.	2.6	24
215	Hemocompatible and antibiofouling PU-F127 nanospheres platform for application to glucose detection in whole blood. <i>Journal of Materials Chemistry B</i> , 2013, 1, 801-809.	5.8	24
216	A novel naphthalene-based fluorescent probe for highly selective detection of cysteine with a large Stokes shift and its application in bioimaging. <i>New Journal of Chemistry</i> , 2018, 42, 18109-18116.	2.8	24

#	ARTICLE	IF	CITATIONS
217	Rational design of a zwitterionic phosphonic copolymer for the surface antifouling modification of multiple biomedical metals. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4055-4065.	5.8	24
218	Facile Synthesis of the Cu, N-CDs@GO-CS Hydrogel with Enhanced Antibacterial Activity for Effective Treatment of Wound Infection. <i>Langmuir</i> , 2021, 37, 7928-7935.	3.5	24
219	Nitric oxide-releasing poly(ϵ -caprolactone)/S-nitrosylated keratin biocomposite scaffolds for potential small-diameter vascular grafts. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 516-527.	7.5	24
220	Antioxidant and multi-sensitive PNIPAAm/keratin double network gels for self-stripping wound dressing application. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6212-6225.	5.8	24
221	Internal friction behavior of carbon-carbon composites. <i>Carbon</i> , 2000, 38, 2095-2101.	10.3	23
222	A H ₂ O ₂ electrochemical biosensor based on biocompatible PNIPAM-g-P (NIPAM-co-St) nanoparticles and multi-walled carbon nanotubes modified glass carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 130-137.	7.8	23
223	Preparation of novel electrochemical glucose biosensors for whole blood based on antibiofouling polyurethane-heparin nanoparticles. <i>Electrochimica Acta</i> , 2013, 97, 349-356.	5.2	23
224	A high-sensitivity immunosensor for detection of tumor marker based on functionalized mesoporous silica nanoparticles. <i>Electrochimica Acta</i> , 2013, 112, 473-479.	5.2	23
225	The carbonization of polyethyleneimine: facile fabrication of N-doped graphene oxide and graphene quantum dots. <i>RSC Advances</i> , 2015, 5, 105855-105861.	3.6	23
226	Anticoagulant polyurethane substrates modified with poly(2-methacryloyloxyethyl) trimethylammonium bromide (phosphorylated). <i>Journal of Materials Chemistry B</i> , 2015, 3, 10585-10591.	5.0	23
227	Self-templated construction of peanut-like P3-type K _{0.45} Mn _{0.5} Co _{0.5} O ₂ for highly reversible potassium storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 554-560.	10.3	23
228	Effect of filler size and surface treatment on impact and rheological properties of wollastonite-polypropylene composite. <i>Journal of Materials Science Letters</i> , 1993, 12, 1344.	0.5	22
229	Characteristics of dispersion behavior of fine particles in different liquid media. <i>Powder Technology</i> , 2003, 137, 91-94.	4.2	22
230	Reduced Platelet Adhesion on the Surface of Polyurethane Bearing Structure of Sulfobetaine. <i>Journal of Biomaterials Applications</i> , 2003, 18, 123-135.	2.4	22
231	Cyanate ester resin modified by hydroxyl-terminated polybutadiene: Morphology, thermal, and mechanical properties. <i>Polymer Engineering and Science</i> , 2011, 51, 1404-1408.	3.1	22
232	Zwitterionic hyperbranched polyester functionalized cardiovascular stent and its biocompatibility. <i>Journal of Colloid and Interface Science</i> , 2014, 420, 88-96.	9.4	22
233	Multifunctional red carbon dots: a theranostic platform for magnetic resonance imaging and fluorescence imaging-guided chemodynamic therapy. <i>Analyst</i> , 2020, 145, 3592-3597.	3.5	22
234	A self-optimizing electrodeposition process for fabrication of calcium phosphate coatings. <i>Materials Letters</i> , 2001, 50, 103-107.	2.6	21

#	ARTICLE	IF	CITATIONS
235	Cell adhesion behavior of chitosan surface modified by bonding 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 501-510.	3.5	21
236	A study on ultraviolet irradiation modification of high-density polyethylene and its effect in the compatibility of HDPE/PVA fibre composites. <i>Materials Letters</i> , 2003, 57, 2647-2650.	2.6	21
237	Synthesis and characterization of polyurethane/montmorillonite nanocomposites by in situ polymerization. <i>Polymer International</i> , 2006, 55, 500-504.	3.1	21
238	Novel sol-gel synthesis of N-doped TiO ₂ hollow spheres with high photocatalytic activity under visible light. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 377-384.	2.4	21
239	Preparation and characterization of nano/micro-calcium carbonate particles/polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3560-3565.	2.6	21
240	In Situ Growth of Mesoporous Silica with Drugs on Titanium Surface and Its Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18609-18618.	8.0	21
241	Electrospun PCL/keratin/AuNPs mats with the catalytic generation of nitric oxide for potential of vascular tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3239-3247.	4.0	21
242	Coronary Stents Decorated by Heparin/NONOate Nanoparticles for Anticoagulant and Endothelialized Effects. <i>Langmuir</i> , 2020, 36, 2901-2910.	3.5	21
243	Silica-supported near-infrared carbon dots and bicarbonate nanopatform for triple synergistic sterilization and wound healing promotion therapy. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1308-1322.	9.4	21
244	Performance and Mechanism of a Multi-Functional Superplasticizer for Concrete. <i>Materials Transactions</i> , 2006, 47, 1599-1604.	1.2	20
245	Effect of compound inorganic nano-stabilizer on the stability of high concentration coal water mixtures. <i>Fuel</i> , 2006, 85, 2524-2529.	6.4	20
246	Effects of Poly(acrylic acid) on Rheological and Dispersion Properties of Aqueous TiO ₂ Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1117-1120.	1.9	20
247	Molecular dynamics simulation study on zwitterionic structure to maintain the normal conformations of Glutathione. <i>Science in China Series B: Chemistry</i> , 2007, 50, 660-664.	0.8	20
248	Study of nanocomposites prepared by melt blending TPU and montmorillonite. <i>Polymer Composites</i> , 2008, 29, 385-389.	4.6	20
249	Synthesis and characterization of a poly(acrylic acid)- <i>graft</i> -methoxy poly(ethylene oxide) comblike copolymer. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3286-3291.	2.6	20
250	Crystallization kinetics of polypropylene composites filled with nano calcium carbonate modified with maleic anhydride. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1516-1527.	2.6	20
251	Biocompatible phosphonic acid-functionalized silica nanoparticles for sensitive detection of hypoxanthine in real samples. <i>Talanta</i> , 2013, 117, 536-542.	5.5	20
252	A chitosan-Au-hyperbranched polyester nanoparticles-based antifouling immunosensor for sensitive detection of carcinoembryonic antigen. <i>Analyst</i> , 2014, 139, 4216-4222.	3.5	20

#	ARTICLE	IF	CITATIONS
253	Design of hemocompatible and antifouling PET sheets with synergistic zwitterionic surfaces. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 205-217.	9.4	20
254	Novel triphenylamine-based fluorescent probe for specific detection and bioimaging of OCl ⁻ . <i>Tetrahedron</i> , 2018, 74, 5733-5738.	1.9	20
255	A facile and label-free electrochemical aptasensor for tumour-derived extracellular vesicle detection based on the target-induced proximity hybridization of split aptamers. <i>Analyst</i> , The, 2020, 145, 3557-3563.	3.5	20
256	Removal of Ca ²⁺ and Mg ²⁺ from oilfield wastewater using reusable PEG/Fe ₃ O ₄ /GO-NH ₂ nanoadsorbents and its efficiency for oil recovery. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104653.	6.7	20
257	Mitochondria-targeting photosensitizer-encapsulated amorphous nanocage as a bimodal reagent for drug delivery and biodiagnose in vitro. <i>Biomedical Microdevices</i> , 2010, 12, 655-663.	2.8	19
258	Bovine serum albumin encapsulation of near infrared fluorescent nano-probe with low nonspecificity and cytotoxicity for imaging of HER2-positive breast cancer cells. <i>Talanta</i> , 2020, 210, 120625.	5.5	19
259	Fabrication of PCL/keratin composite scaffolds for vascular tissue engineering with catalytic generation of nitric oxide potential. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6092-6099.	5.8	19
260	Research on the composite dispersion of ultra fine powder in the air. <i>Materials Chemistry and Physics</i> , 2001, 69, 204-209.	4.0	18
261	Preparation and blood compatibility of phosphorylcholine-bonded O-butrylchitosan. <i>Polymer International</i> , 2003, 52, 81-85.	3.1	18
262	Dielectric Studies on the Heterogeneity and Interfacial Property of Composites Made of Polyacene Quinone Radical Polymers and Sulfonated Polyurethanes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2024-2031.	2.5	18
263	Internal heavy atom effect of Au(III) and Pt(IV) on hypocrellin A for enhanced in vitro photodynamic therapy of cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5317-5324.	2.2	18
264	Nanobody-guided targeted delivery of microRNA via nucleic acid nanogel to inhibit the tumor growth. <i>Journal of Controlled Release</i> , 2020, 328, 425-434.	9.9	18
265	Catalytic Generation of Nitric Oxide from Poly(μ -caprolactone)/Phosphobetainized Keratin Mats for a Vascular Tissue Engineering Scaffold. <i>Langmuir</i> , 2020, 36, 4396-4404.	3.5	18
266	A reusable Fe ₃ O ₄ /GO-COOH nanoadsorbent for Ca ²⁺ and Cu ²⁺ removal from oilfield wastewater. <i>Chemical Engineering Research and Design</i> , 2021, 166, 248-258.	5.6	18
267	A multifunctional carbon dot-based nanoplatfom for bioimaging and quaternary ammonium salt/photothermal synergistic antibacterial therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2865-2874.	5.8	18
268	Manganese single-atom catalysts for catalytic-photothermal synergistic anti-infected therapy. <i>Chemical Engineering Journal</i> , 2022, 438, 135636.	12.7	18
269	Anti-MicroRNA-21 Oligonucleotide Loaded Spermine-Modified Acetalated Dextran Nanoparticles for B1 Receptor-Targeted Gene Therapy and Antiangiogenesis Therapy. <i>Advanced Science</i> , 2022, 9, e2103812.	11.2	18
270	Quaternized Chitosan-Coated Montmorillonite Interior Antimicrobial Metal-“Antibiotic <i>in Situ</i>” Coordination Complexation for Mixed Infections of Wounds. <i>Langmuir</i> , 2019, 35, 15275-15286.	3.5	17

#	ARTICLE	IF	CITATIONS
271	A novel formaldehyde fluorescent probe based on 1, 8-naphthalimide derivative and its application in living cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112701.	3.9	17
272	One-pot solvothermal preparation of ternary PdPtNi nanostructures with spiny surface and enhanced electrocatalytic performance during ethanol oxidation. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154671.	5.5	17
273	Biopolymer-modified graphite oxide nanocomposite films based on benzalkonium chloride-heparin intercalated in graphite oxide. <i>Nanotechnology</i> , 2010, 21, 185101.	2.6	16
274	Hemocompatibility and anti-biofouling property improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of lysine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1619-1628.	3.5	16
275	Facile Synthesis of PdCu Echinus-Like Nanocrystals as Robust Electrocatalysts for Methanol Oxidation Reaction. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4217-4222.	3.3	16
276	A one-pot modular assembly strategy for triple-play enhanced cytosolic siRNA delivery. <i>Biomaterials Science</i> , 2019, 7, 901-913.	5.4	16
277	Self-crosslinked keratin nanoparticles for pH and GSH dual responsive drug carriers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 1994-2006.	3.5	16
278	A ZIF-8 Host for Dendrite-Free Zinc Anodes and N,O Dual-doped Carbon Cathodes for High-Performance Zinc-Ion Hybrid Capacitors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2146-2153.	3.3	16
279	Studies on Structure and Properties of HDPE Functionalized Through Ultraviolet Irradiation and Its Blends with CaCO ₃ . <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 1467-1474.	1.9	15
280	A Study on Structure and Mechanical Properties of Polyurethane/Organic-Montmorillonite Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 685-689.	1.9	15
281	Electrogenerated chemiluminescence from CdS hollow spheres composited with carbon nanofiber and its sensing application. <i>Analyst</i> , 2010, 135, 2579.	3.5	15
282	Synthesis and anticoagulation activities of polymer/functional graphene oxide nanocomposites via Reverse Atom Transfer Radical Polymerization (RATRP). <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 319-324.	5.0	15
283	Novel GO-COO ⁻² -CD/CA inclusion: its blood compatibility, antibacterial property and drug delivery. <i>Drug Delivery</i> , 2014, 21, 362-369.	5.7	15
284	Mutual sensitization mechanism and self-degradation property of drug delivery system for in vitro photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2016, 498, 335-346.	5.2	15
285	Trifluoromethyl aryl sulfonates (TFMS): An applicable trifluoromethoxylation reagent. <i>Tetrahedron Letters</i> , 2019, 60, 1389-1392.	1.4	15
286	Stepwise immobilization of keratin-dopamine conjugates and gold nanoparticles on PET sheets for potential vascular graft with the catalytic generation of nitric oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111855.	5.0	15
287	Nitric oxide-releasing polyurethane/ <i>S</i> -nitrosated keratin mats for accelerating wound healing. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac006.	3.7	15
288	Sublethal Effects of Emamectin Benzoate on Fall Armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.1	15

#	ARTICLE	IF	CITATIONS
289	Interface-like fracture mechanism in pyrolytic carbon matrix-based carbon-carbon composites. <i>Materials Letters</i> , 2001, 48, 117-120.	2.6	14
290	Preparation of N-Maleoylchitosan Nanocapsules for Loading and Sustained Release of Felodipine. <i>Biomacromolecules</i> , 2009, 10, 1997-2002.	5.4	14
291	Studies on Crystal Morphology and Crystallization Kinetics of Polyamide 66 Filled with CaCO ₃ of Different Sizes and Size Distribution. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 590-596.	1.9	14
292	Preparation of PNIPAM-g-P (NIPAM-co-St) microspheres and their blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 61-65.	5.0	14
293	A novel composite for energy storage devices: core-shell MnO ₂ /polyindole nanotubes supported on reduced graphene oxides. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5548-5560.	2.2	14
294	Facilitated Utilization of Active Sites with Core-shell PdPt@Pt/RGO Nanocluster Structures for Improved Electrocatalytic Ethylene Glycol Oxidation. <i>ChemElectroChem</i> , 2018, 5, 2645-2652.	3.4	14
295	Zwitterionic Polypeptide-Based Nanodrug Augments pH-Triggered Tumor Targeting <i>via</i> Prolonging Circulation Time and Accelerating Cellular Internalization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46639-46652.	8.0	14
296	Amino-terminated poly(ethylene glycol) as the initiator for the ring-opening polymerization of 3-methylmorpholine-2,5-dione. <i>European Polymer Journal</i> , 2003, 39, 1935-1938.	5.4	13
297	A study of LLDPE functionalized through ultraviolet irradiation and interfacial interaction of PA66/functionalized LLDPE blends. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2029-2032.	2.6	13
298	Reactive electrospinning of poly(vinyl alcohol) nanofibers. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1067-1073.	2.6	13
299	Combination anticancer therapy activity studies for the complex of hypocrellin A and gallium ion. <i>Dyes and Pigments</i> , 2014, 101, 43-50.	3.7	13
300	Supercapacitors based on highly dispersed polypyrrole-reduced graphene oxide composite with a folded surface. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 693-698.	2.3	13
301	A novel near-infrared and naked-eyes turn on fluorescent probe for detection of biothiols with a large Stokes shift and its application in living cells. <i>Analytical Methods</i> , 2018, 10, 3991-3999.	2.7	13
302	Study on montmorillonite-chlorhexidine acetate-terbinafine hydrochloride intercalation composites as drug release systems. <i>RSC Advances</i> , 2018, 8, 21369-21377.	3.6	13
303	Biodegradable and Bioactive Orthopedic Magnesium Implants with Multilayered Protective Coating. <i>ACS Applied Bio Materials</i> , 2019, 2, 3290-3299.	4.6	13
304	Detection of Six Î ² -Agonists by Three Multiresidue Immunosensors Based on an Anti-bovine Serum Albumin-Ractopamine-Clenbuterol-Salbutamol Antibody. <i>ACS Omega</i> , 2020, 5, 5548-5555.	3.5	13
305	Three-Dimensional PdPtCu Nanoalloys with a Controllable Composition and Spiny Surface for the Enhancement of Ethanol Electrocatalytic Properties. <i>Langmuir</i> , 2020, 36, 2584-2591.	3.5	13
306	Synthesis and molecular dynamics simulation of CuS@GO-CS hydrogel for enhanced photothermal antibacterial effect. <i>New Journal of Chemistry</i> , 2021, 45, 6895-6903.	2.8	13

#	ARTICLE	IF	CITATIONS
307	Au@Cu Bimetallic Nanostructures for Photothermal Antibacterial and Wound Healing Promotion. ACS Applied Nano Materials, 2022, 5, 8621-8630.	5.0	13
308	The adsorption of 2,5-dimer-cyto-1,3,4-thiadiazole (DMTD) on copper surface and its binding behavior. Science Bulletin, 2001, 46, 387-389.	1.7	12
309	Electrostatic dispersion of fine particles in the air. Powder Technology, 2001, 120, 187-193.	4.2	12
310	Preparation and properties of EPDM/TiO ₂ composites. Journal of Applied Polymer Science, 2007, 106, 314-319.	2.6	12
311	Study on thermoplastic polyurethane/montmorillonite nanocomposites. Polymer Composites, 2008, 29, 119-124.	4.6	12
312	Montmorillonite@phosphatidyl choline/PDMS films: A novel antithrombogenic material. Applied Clay Science, 2009, 46, 401-403.	5.2	12
313	Encapsulation of hydrophobic anticancer drug in nano-scale porous ceramic materials for photodynamic therapy. Journal of Porous Materials, 2011, 18, 517-522.	2.6	12
314	Zwitterionic Polymer-Grafted Polylactic Acid Vascular Patches Based on a Decellularized Scaffold for Tissue Engineering. ACS Biomaterials Science and Engineering, 2019, 5, 4366-4375.	5.2	12
315	Keratin@Poly(2-methacryloxyethyl phosphatidylcholine) Conjugate-Based Micelles as a Tumor Micro-Environment-Responsive Drug-Delivery System with Long Blood Circulation. Langmuir, 2020, 36, 3540-3549.	3.5	12
316	Preparation of a three-dimensional modified graphene oxide via RAFT polymerization for reinforcing cement composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125925.	4.7	12
317	Three laws of design for biomedical micro/nanorobots. Nano Today, 2022, 45, 101560.	11.9	12
318	Effects of microstructure on the internal friction of carbon@carbon composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 250-256.	5.6	11
319	A simple method for measuring the SERS spectra of water-insoluble organic compounds. Vibrational Spectroscopy, 2001, 26, 15-22.	2.2	11
320	Synthetic studies on nonthrombogenic biomaterials 14: synthesis and characterization of poly(ether-urethane) bearing a Zwitterionic structure of phosphorylcholine on the surface. Journal of Biomaterials Science, Polymer Edition, 2003, 14, 707-718.	3.5	11
321	The surface fractal investigation on carbon nanotubes modified by the adsorption of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	4.8	11
322	Nano polyurethane-assisted ultrasensitive biodetection of H ₂ O ₂ over immobilized Microperoxidase-11. Biosensors and Bioelectronics, 2011, 29, 53-59.	10.1	11
323	Synthesis of vanadyl@hypocrellin A complex and its photodynamic properties research. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5003-5007.	2.2	11
324	Antibacterial and anticoagulation properties of polyethylene/gene@MPC nanocomposites. Journal of Applied Polymer Science, 2013, 129, 884-891.	2.6	11

#	ARTICLE	IF	CITATIONS
325	Fabrication of nonbiofouling metal stent and in vitro studies on its hemocompatibility. <i>Journal of Biomaterials Applications</i> , 2014, 29, 14-25.	2.4	11
326	Anchoring Carbon-Coated CoSe Nanoparticles on Hollow Carbon Nanocapsules for Efficient Potassium Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 6356-6363.	5.1	11
327	Biodegradable Polymeric Nanoparticles Containing an Immune Checkpoint Inhibitor (aPDL1) to Locally Induce Immune Responses in the Central Nervous System. <i>Advanced Functional Materials</i> , 2021, 31, 2102274.	14.9	11
328	Introduction of O-butyrylchitosan with a photosensitive hetero-bifunctional crosslinking reagent to silicone rubber film by radiation grafting and its blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 299-306.	5.0	10
329	Effects of comb copolymer PAA-g-MPEO on rheological and dispersion properties of aqueous CaCO ₃ suspensions. <i>Polymer Bulletin</i> , 2007, 59, 363-370.	3.3	10
330	Fast Functionalisation of Polypropylene (Pp) by Ultraviolet Irradiation and Compatibilised Pp/Caco3 Composite. <i>Polymers and Polymer Composites</i> , 2008, 16, 375-378.	1.9	10
331	Surface modification of silk fibroin films with zwitterionic phosphobetaine to improve the hemocompatibility. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 969-974.	1.0	10
332	A nanoencapsulated hypocrellin A prepared by an improved microemulsion method for photodynamic treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2095-2101.	3.6	10
333	Delivering a hydrophobic anticancer drug for photodynamic therapy by amorphous formulation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6172-6174.	2.2	10
334	Preparation of Anionic Polyurethane Nanoparticles and Blood Compatible Behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4051-4056.	0.9	10
335	Heparinized PCL/keratin mats for vascular tissue engineering scaffold with potential of catalytic nitric oxide generation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1785-1798.	3.5	10
336	Synthesis of hollow mesoporous HAp-Au/MTX and its application in drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124231.	4.7	10
337	Two dimensional BP@AuNP nanocomposites for photothermal/photodynamic therapy mediated wound disinfection and infected wound healing under a single light source. <i>New Journal of Chemistry</i> , 2021, 45, 18124-18130.	2.8	10
338	Keratin-tannic acid complex nanoparticles as pH/GSH dual responsive drug carriers for doxorubicin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 1125-1139.	3.5	10
339	Logistic regression analysis of contrast-enhanced ultrasound and conventional ultrasound of follicular thyroid carcinoma and follicular adenoma. <i>Gland Surgery</i> , 2021, 10, 2890-2900.	1.1	10
340	Neutrophil-mediated clinical nanodrug for treatment of residual tumor after focused ultrasound ablation. <i>Journal of Nanobiotechnology</i> , 2021, 19, 345.	9.1	10
341	Hydrogen sulfide releasing hydrogel for alleviating cardiac inflammation and protecting against myocardial ischemia-reperfusion injury. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5344-5351.	5.8	10
342	Effect of Ultraviolet Irradiation on Structure and Properties of HDPE and HDPE/STC Blends. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 1311-1319.	2.2	9

#	ARTICLE	IF	CITATIONS
343	Structure and properties of nanocomposites prepared by directly melt blending ethylene-co-vinylacetate and natural montmorillonite. <i>Polymer Composites</i> , 2006, 27, 529-532.	4.6	9
344	Studies on Linear Low-Density Polyethylene Functionalized by Ultraviolet Irradiation and Its Compatibilization. <i>Polymer Bulletin</i> , 2006, 57, 595-602.	3.3	9
345	Structure and Property of PU/MMT Nanocomposites by In-Situ Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 619-622.	1.9	9
346	Surface grafting density analysis of high anti-clotting PU-Si-g-P(MPC) films. <i>Applied Surface Science</i> , 2012, 258, 3920-3926.	6.1	9
347	Synthesis and characterization of poly(2-methacryloyloxyethyl phosphorylcholine) onto graphene oxide. <i>Polymers for Advanced Technologies</i> , 2013, 24, 685-691.	3.2	9
348	Spectroscopic studies on the interaction of Ga ³⁺ -hypocrellin A with myoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 109-115.	3.9	9
349	Photo and redox-responsive vesicles assembled from Bola-type superamphiphiles. <i>RSC Advances</i> , 2016, 6, 52189-52200.	3.6	9
350	The value of conventional sonography and ultrasound elastography in decision-making for thyroid nodules in different categories of the Bethesda system for reporting thyroid cytopathology. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 255-266.	1.7	9
351	Biodegradable Zwitterion/PLGA Scaffold Enables Robust Healing of Rat Calvarial Defects with Ultralow Dose of rhBMP-2. <i>Biomacromolecules</i> , 2020, 21, 2844-2855.	5.4	9
352	The soapless emulsion polymerization for the encapsulation of aluminosiloxane sol with PMMA. <i>European Polymer Journal</i> , 2003, 39, 851-854.	5.4	8
353	Preparation and properties of new EPDM/vermiculite nanocomposites. <i>Polymer Composites</i> , 2005, 26, 706-712.	4.6	8
354	Spectroscopic studies on the interaction of hypocrellin A with myoglobin. <i>Spectroscopy</i> , 2007, 21, 235-243.	0.8	8
355	Synthesis of rambutan-like hybrid nanospheres of Au-P123. <i>Gold Bulletin</i> , 2009, 42, 215-218.	2.7	8
356	Effect of Light Intensity on Ultraviolet Irradiated Polypropylene and its Compatibilization with CaCO ₃ . <i>Journal of Thermoplastic Composite Materials</i> , 2010, 23, 149-159.	4.2	8
357	Cytocompatible Performance of Thermosensitive Poly(N-Isopropylacrylamide) Nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1569-1578.	3.5	8
358	A facile method for hemoglobin encapsulation in silica nanoparticles and application in biosensors. <i>Microporous and Mesoporous Materials</i> , 2012, 160, 106-113.	4.4	8
359	Effect of length of branched-chain of PAA-g-MPEO on dispersion of CaCO ₃ aqueous suspensions. <i>Polymer Bulletin</i> , 2012, 68, 597-605.	3.3	8
360	Synthesis and one-pot tethering of hydroxyl-capped phosphorylcholine onto cellulose membrane for improving hemocompatibility and antibiofouling property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 432-438.	5.0	8

#	ARTICLE	IF	CITATIONS
361	Study on PS/TiO ₂ nanocomposite particles. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 429-438.	4.2	8
362	Layer-by-layer assembled PEI-based vector with the upconversion luminescence marker for gene delivery. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2504-2509.	2.1	8
363	Cancer cell membrane as gate keeper of mesoporous silica nanoparticles and photothermal-triggered membrane fusion to release the encapsulated anticancer drug. <i>Journal of Materials Science</i> , 2019, 54, 12794-12805.	3.7	8
364	A mitochondria-target probe for OCl ⁻ "naked eye" detection and its imaging in living cell. <i>Talanta</i> , 2019, 202, 369-374.	5.5	8
365	Molecular dynamics simulations suggest conformational and hydration difference between zwitterionic poly (carboxybetaine methacrylate) and poly (ethylene glycol). <i>Chemical Physics</i> , 2020, 532, 110599.	1.9	8
366	Keratin-dopamine conjugate nanoparticles as pH/GSH dual responsive drug carriers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 2318-2330.	3.5	8
367	Biosafety, Functionalities, and Applications of Biomedical Micro/nanomotors. <i>Angewandte Chemie</i> , 2021, 133, 13266-13284.	2.0	8
368	Decellularized scaffold-based poly(ethylene glycol) biomimetic vascular patches modified with polyelectrolyte multilayer of heparin and chitosan: preparation and vascular tissue engineering applications in a porcine model. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1077-1084.	5.8	8
369	Tertiary amines convert 1O ₂ to H ₂ O ₂ with enhanced photodynamic antibacterial efficiency. <i>Journal of Hazardous Materials</i> , 2022, 435, 128948.	12.4	8
370	Local photothermal/photodynamic synergistic antibacterial therapy based on two-dimensional BP@CQDs triggered by single NIR light source. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 39, 102905.	2.6	8
371	The solvent trapping or co-adsorbing effect during the self-assembly monolayer studied by surface-enhanced Raman scattering. <i>Vibrational Spectroscopy</i> , 2001, 25, 1-5.	2.2	7
372	Preparation and anticoagulant property of phosphorylcholine-terminated benzoylchitosan derivative. <i>Journal of Applied Polymer Science</i> , 2003, 88, 489-493.	2.6	7
373	Title is missing!. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2005, 23, 611.	3.8	7
374	Research and synthesis of organosilicon nonthrombogenic materials containing sulfobetaine group. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 415-420.	5.0	7
375	Effect of Environmental Temperature on Ultraviolet Irradiated PP and its Composite. <i>Journal of Thermoplastic Composite Materials</i> , 2010, 23, 137-148.	4.2	7
376	Novel polyurethane ionomer nanoparticles displayed a good biosensor effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 78-84.	5.0	7
377	Comparison and investigation of bovine hemoglobin binding to dihydroartemisinin and 9-hydroxy-dihydroartemisinin: Spectroscopic characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 120-125.	3.9	7
378	Polyurethane "Cardiolipin Nanoparticle-Modified Decellularized Scaffold-Based Vascular Patches for Tissue Engineering Applications. <i>ACS Applied Bio Materials</i> , 2019, 2, 1696-1702.	4.6	7

#	ARTICLE	IF	CITATIONS
379	Facile Synthesis Of Composition-Controllable PtPdAuTe Nanowires As Superior Electrocatalysts For Direct Methanol Fuel Cells. <i>Chemistry - an Asian Journal</i> , 2020, 15, 98-105.	3.3	7
380	Zwitterionic-phosphonate block polymer as anti-fouling coating for biomedical metals. <i>Rare Metals</i> , 2022, 41, 700-712.	7.1	7
381	A Vascular Patch Fabricated by Cosedimentating Polyurethane and Polymeric Nanoparticles onto a Decellularized Scaffold Facilitates Endothelialization. <i>Journal of Biomaterials and Tissue Engineering</i> , 2018, 8, 979-988.	0.1	7
382	<i>In situ</i> mineralized PLGA/zwitterionic hydrogel composite scaffold enables high-efficiency rhBMP-2 release for critical-sized bone healing. <i>Biomaterials Science</i> , 2022, 10, 781-793.	5.4	7
383	A Dual Functional Drug Delivery System that Combines Photothermal Therapy and Immunotherapy to Treat Tumors. <i>Molecular Pharmaceutics</i> , 2022, 19, 1449-1457.	4.6	7
384	Chitosan-Heparin Polyelectrolyte Multilayer-Modified Poly(vinyl alcohol) Vascular Patches based on a Decellularized Scaffold for Vascular Regeneration. <i>ACS Applied Bio Materials</i> , 2022, 5, 2928-2934.	4.6	7
385	Preparation and characterization of composites: EPDM-g-AA/CaCO ₃ . <i>Polymer Composites</i> , 2005, 26, 587-592.	4.6	6
386	Study on the viscosity of polypropylene composites filled with different size and size distribution CaCO ₃ . <i>Polymer Composites</i> , 2011, 32, 1026-1033.	4.6	6
387	Preparation, characterization, and evaluation of a heparin-benzalkonium chloride-graphite oxide/polymethylvinyl siloxane nanocomposite. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1623-1627.	4.0	6
388	Comparison of 9-hydroxy-artemisinin with artemisinin: interaction with bovine hemoglobin. <i>Journal of Luminescence</i> , 2015, 160, 188-194.	3.1	6
389	Preparation and Biocompatibility of Gold@Polypyrrole-Chitosan with Core-Shell Nanostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2343-2349.	0.9	6
390	Sodium triphosphate-capped silver nanoparticles on a decellularized scaffold-based polyurethane vascular patch for bacterial infection inhibition and rapid endothelialization. <i>Journal of Bioactive and Compatible Polymers</i> , 2019, 34, 357-372.	2.1	6
391	Novel Preparation of Noncovalent Modified GO Using RAFT Polymerization to Reinforce the Performance of Waterborne Epoxy Coatings. <i>Coatings</i> , 2019, 9, 348.	2.6	6
392	A new Ti-based IMAC nano hybrid with high hydrophilicity and enhanced absorption capacity for the selective enrichment of phosphopeptides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122851.	2.3	6
393	A review on properties and antibacterial applications of polymer-functionalized carbon dots. <i>Journal of Materials Science</i> , 2022, 57, 12752-12781.	3.7	6
394	Preparation and Characterization of EVA/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2006, 14, 301-306.	1.9	5
395	Preparation and characterization of composites: Ethylene-propylene diene terpolymer-graft-maleic anhydride/CaCO ₃ . <i>Journal of Applied Polymer Science</i> , 2006, 101, 1810-1815.	2.6	5
396	Molecular dynamics simulation study on zwitterionic structure to maintain the natural behavior of polyalanine ¹³ in aqueous environment. <i>Science in China Series B: Chemistry</i> , 2008, 51, 78-85.	0.8	5

#	ARTICLE	IF	CITATIONS
397	Storage Stability of Ultraviolet Irradiated Hdpe. <i>Polymers and Polymer Composites</i> , 2008, 16, 303-307.	1.9	5
398	A Study of PU/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2009, 17, 91-96.	1.9	5
399	The interaction of clenbuterol hydrochloride with bovine hemoglobin using spectroscopic techniques and molecular modeling methods. <i>Spectroscopy</i> , 2009, 23, 271-279.	0.8	5
400	Effect of storage on ultraviolet irradiated HDPE. <i>Plastics, Rubber and Composites</i> , 2009, 38, 219-221.	2.0	5
401	Study on crystallization kinetics of LDPE filled with CaCO ₃ of different size and size distribution. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3490-3500.	2.6	5
402	Fabrication of a novel hydrogen peroxide biosensor based on Au-(PEO106PPO70PEO106) hairy nanospheres. <i>Electrochimica Acta</i> , 2012, 69, 282-286.	5.2	5
403	Reverse atom transfer radical polymerization (RATRP) for anti-clotting PU-LaCl ₃ -g-P(MPC) films. <i>Applied Surface Science</i> , 2013, 264, 36-44.	6.1	5
404	Modulating the photo-exciting process of photosensitizer to improve in vitro phototoxicity by preparing its self-assembly nanostructures. <i>RSC Advances</i> , 2015, 5, 2794-2805.	3.6	5
405	Interactions of CT DNA with hexagonal NaYF ₄ co-doped with Yb ³⁺ /Tm ³⁺ upconversion particles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 995-1003.	3.9	5
406	Novel triphosphorylation polyurethane nanoparticles for blood-contacting biomaterials' coating. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1116-1121.	5.8	5
407	Synthesis and characterization of a novel antibacterial material containing poly(sulfobetaine) using reverse atom transfer radical polymerization. <i>RSC Advances</i> , 2018, 8, 33000-33009.	3.6	5
408	The role of ultrasound in the diagnosis of the coexistence of primary hyperparathyroidism and non-medullary thyroid carcinoma. <i>BMC Medical Imaging</i> , 2019, 19, 7.	2.7	5
409	Dispersion characteristics of fine particles in water, ethanol and kerosene. <i>Science Bulletin</i> , 2000, 45, 1376-1380.	1.7	4
410	Preparation and characterization of novel silica-butrylchitosan hybrid biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 27-31.	3.6	4
411	Preparation and characterization of a novel Si-containing crosslinkable O-butrylchitosan. <i>Colloid and Polymer Science</i> , 2004, 282, 1222-1227.	2.1	4
412	Variation in surface energy heterogeneity of graphite due to adsorption of polyoxyethylene sorbitan monooleate. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 98-101.	9.4	4
413	Affinity studies of hypocrellin B and mono-cysteine substituted hypocrellin B with CT-DNA using spectroscopic methods. <i>Spectroscopy</i> , 2005, 19, 259-266.	0.8	4
414	Characterization of surface energetic heterogeneity of pure and poly (acrylic acid)-adsorbed carbon nanotubes by deconvoluting the nitrogen adsorption isotherm. <i>Surface and Interface Analysis</i> , 2006, 38, 1117-1121.	1.8	4

#	ARTICLE	IF	CITATIONS
415	Effect of PAA-g-MPEO Comb Polymer on TiO ₂ Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 1278-1282.	1.9	4
416	Preparation and properties of PU/MCMMT nanocomposites. <i>Polymers for Advanced Technologies</i> , 2010, 21, 296-299.	3.2	4
417	Studies of modification of HDPE and interfacial interaction of its composites with sericite. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2517-2522.	3.2	4
418	Rheology and processability of polyamide66 filled with different sized and size distributed calcium carbonate. <i>Polymer Composites</i> , 2011, 32, 1633-1639.	4.6	4
419	Structure-property investigations with dielectric study on phosphorylcholine based polyurethane. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1868-1876.	4.0	4
420	The synthesis and characterization of ethylenediamine-modified Elnochrome A. <i>Dyes and Pigments</i> , 2012, 94, 99-102.	3.7	4
421	Facile Fabrication of Au-F127 Nanocolloids with Different Morphologies and their Potential Bioapplications. <i>Australian Journal of Chemistry</i> , 2013, 66, 381.	0.9	4
422	An Innovative Glucose Biosensor Using Antibiofouling Au-F127 Nanospheres. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 825-832.	1.1	4
423	Mild Anticoagulant Effect of Heparin-Loaded Polycaprolactone Microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 144-150.	0.9	4
424	Correction: Anti-biofouling ability and cytocompatibility of the zwitterionic brushes-modified cellulose membrane. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6279-6279.	5.8	4
425	One-pot method to prepare a theranostic nanosystem with magnetic resonance imaging function and anticancer activity through multiple mechanisms. <i>Dalton Transactions</i> , 2017, 46, 5151-5158.	3.3	4
426	Sulfobetainized biocomposite mats with improved biocompatibility and antifouling property. <i>Materials Letters</i> , 2018, 218, 186-189.	2.6	4
427	Preparation and biological evaluation of soluble tetrapeptide epoxyketone proteasome inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 4151-4162.	3.0	4
428	Influences of Synthesis Conditions on the Formation of Methotrexate Intercalated Layered Double Hydroxides by Exfoliation-reassembly Route. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 901-907.	2.6	4
429	Simulated enzyme inhibition-based strategy for ultrasensitive colorimetric biothiols detection based on nanoperoxidases. <i>Chemical Communications</i> , 2019, 55, 11543-11546.	4.1	4
430	A Safe and Efficient Strategy for the Rapid Elimination of Blood Lead In Vivo Based on a Capture-Fix-Separate Mechanism. <i>Angewandte Chemie</i> , 2019, 131, 10692-10696.	2.0	4
431	A Novel Coumarin-based Fluorescent Probe with Aggregation Induced Emission for Detecting CN ⁻ and its Applications in Bioimaging. <i>Journal of Fluorescence</i> , 2021, 31, 1751-1758.	2.5	4
432	Zwitterionic/active ester block polymers as multifunctional coatings for polyurethane-based substrates. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3687-3695.	5.8	4

#	ARTICLE	IF	CITATIONS
433	Hypericin nanoparticles for self-illuminated photodynamic cytotoxicity based on bioluminescence resonance energy transfer. <i>International Journal of Pharmaceutics</i> , 2022, 620, 121738.	5.2	4
434	Study of influence on the surface energy heterogeneity of multiwalled carbon nanotubes after the adsorption of poly(acrylic acid). <i>Journal of Colloid and Interface Science</i> , 2004, 278, 299-303.	9.4	3
435	Geometric bionics: Lotus effect helps polystyrene nanotube films get good blood compatibility. <i>Nature Precedings</i> , 2009, , .	0.1	3
436	Synthesis of Thioethyl Pendant Ligand-Stabilized Colloidal Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5785-5789.	0.9	3
437	Terbinafine hydrochloride intercalated in montmorillonite: synthesis and characterization. <i>Research on Chemical Intermediates</i> , 2013, 39, 671-680.	2.7	3
438	Comparing the interaction of vanadyl-hypocrellin A complex and hypocrellin A with CT DNA. <i>Journal of Molecular Structure</i> , 2013, 1036, 127-132.	3.6	3
439	A facile drug delivery system preparation through the interaction between drug and iron ion of transferrin. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	3
440	Preparation and in vitro anticancer activity comparison of photosensitive nanoparticles with different self-assemble degree. <i>Dyes and Pigments</i> , 2015, 122, 206-212.	3.7	3
441	Facile fabrication of high-quality Ag/PS coaxial nanocables based on the mixed mode of soft/hard templates. <i>Scientific Reports</i> , 2016, 6, 30906.	3.3	3
442	Clinical Value of a Computer-Aided Diagnosis System in Thyroid Nodules: Analysis of a Reading Map Competition. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2666-2671.	1.5	3
443	Detection of four phenolic oestrogens by a novel electrochemical immunosensor based on a hexestrol monoclonal antibody. <i>RSC Advances</i> , 2020, 10, 8677-8684.	3.6	3
444	Adsorption Behaviour of Tween80 on Graphite. <i>Adsorption Science and Technology</i> , 2005, 23, 27-35.	3.2	2
445	Variation in surface fractal of graphite due to the adsorption of polyoxyethylene sorbitan monooleate. <i>Applied Surface Science</i> , 2005, 240, 244-250.	6.1	2
446	Thermooxidative aging and kinetics of the thermooxidative degradation of ethylene-propylene diene terpolymer-graft-maleic anhydride/calcium carbonate composites. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2395-2401.	2.6	2
447	Studies on quick functionalization of polyethylene through ultraviolet irradiation and its composites. <i>Polymer Bulletin</i> , 2011, 67, 951-960.	3.3	2
448	Dielectric investigations on how Mg salt is dispersed in and released from polylactic acid. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 497-508.	3.8	2
449	Dielectric and Mechanical Investigations on the Hydrophilicity and Hydrophobicity of Polyethylene Oxide Modified on a Silicon Surface. <i>Langmuir</i> , 2016, 32, 11395-11404.	3.5	2
450	Antibacterial activity, cell toxicity, and mechanical property of ultra-high molecular weight polyethylene/chlorhexidine acetate-montmorillonite nanocomposite. <i>Journal of Bioactive and Compatible Polymers</i> , 2018, 33, 647-659.	2.1	2

#	ARTICLE	IF	CITATIONS
451	Thermal stability and thermal oxidation kinetics of PU/CA@MMT composites. Journal of Applied Polymer Science, 2019, 136, 47002.	2.6	2
452	Fabrication and Bioproperties of Raspberry-Type Hybrid Nanoparticles of Au-Thioethyl Pendant Ligand@Chitosan. Journal of Biomedical Nanotechnology, 2013, 9, 115-123.	1.1	2
453	Anti-aggregation dispersion of ultra fine particles by electrostatic technique. Science Bulletin, 2001, 46, 740-743.	1.7	1
454	Investigation of Photoinduced Electron Transfer Between ZnPcLTs and Guanine: The Role of Type I Mechanism in Photodamage of Calf Thymus DNA. Spectroscopy Letters, 2007, 40, 129-137.	1.0	1
455	Synthesis and characterization of shape-memory polyurethane films with blood compatibility. , 2009, , .		1
456	Impact of ultraviolet radiation on HDPE and HDPE/STC blends. Polymers for Advanced Technologies, 2009, 20, 341-346.	3.2	1
457	Processing characteristics of low-density polyethylene filled with calcium carbonate of different size distributions. Journal of Applied Polymer Science, 2010, 118, 2408-2416.	2.6	1
458	Hydrodegradation of starch incorporated polylactic acid with acrylic acid as interfacial linker. E-Polymers, 2010, 10, .	3.0	1
459	The Preparation and Characterization of Electroless Copperplating Low-Temperature Expandable Graphite. Advanced Materials Research, 2012, 557-559, 1492-1496.	0.3	1
460	Preparation of a novel superhydrophobic PMMA surface with nanostructure and its blood compatibility. E-Polymers, 2012, 12, .	3.0	1
461	Studies on fast functionalization of HDPE by ultraviolet irradiation and functionalized HDPE/CaCO ₃ composites. Polymer Bulletin, 2012, 68, 2089-2096.	3.3	1
462	Thermal stability and kinetics of thermal degradation of PMVS/SiO ₂ /GO@C ₁₂ composites. Journal of Applied Polymer Science, 2013, 130, 535-542.	2.6	1
463	Synthesis of Calcium Phosphate Nanoparticle-Based Docetaxel Delivery System and its <i>In Vitro</i> Anticancer Activity. International Journal of Applied Ceramic Technology, 2015, 12, 300-305.	2.1	1
464	Preparation and Biosafety Assessment of Water-Soluble Hyperbranched Polyester Nanoparticles with Carboxylic Acid Functional Groups. Journal of Nanoscience and Nanotechnology, 2015, 15, 138-143.	0.9	1
465	Aggregation and Gelation of Aromatic Polyamides with Parallel and Anti-parallel Alignment of Molecular Dipole Along the Backbone. Scientific Reports, 2016, 6, 39124.	3.3	1
466	Superoxide Anion Biosensor Based on Bionic-Enzyme Hyperbranched Polyester Particles. Australian Journal of Chemistry, 2018, 71, 119.	0.9	1
467	Effect of Environmental Temperature on Ultraviolet Irradiated PP and its Composite. Journal of Thermoplastic Composite Materials, 2010, 23, 137-148.	4.2	1
468	A Composite Nanomaterial with the Ability to Regulate Oxidative Stress and Anti-inflammatory for the Treatment of Osteoarthritis. ChemistrySelect, 2022, 7, .	1.5	1

#	ARTICLE	IF	CITATIONS
469	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2005, 23, 449.	3.8	0
470	Synthesis of a Novel SAP with PS Foam. Materials Science Forum, 2005, 475-479, 1029-1032.	0.3	0
471	Studies on Nanostructured Polyurethane/Clay Interpenetrating Polymer Networks. Materials Science Forum, 2005, 475-479, 1001-1004.	0.3	0
472	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2005, 23, 93.	3.8	0
473	DNA binding and photo-induced DNA cleavage activity of Elsinochrome A in visible light. Spectroscopy, 2011, 26, 289-296.	0.8	0
474	Structure and properties of irradiated HDPE high-density polyethylene/calcium carbonate composites. Journal of Thermoplastic Composite Materials, 2016, 29, 893-903.	4.2	0
475	Transcatheter Approach for Critical Pulmonary Stenosis or Pulmonary Atresia with Intact Ventricular Septum in Young Infants Using the Simmons Catheter. Journal of Interventional Cardiology, 2020, 2020, 1-7.	1.2	0