

Jian Shen

List of Publications by Year in descending order

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474
papers

17,627
citations

17429

63
h-index

28275

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.	23.0	1,905
2	Functional Supramolecular Polymers for Biomedical Applications. <i>Advanced Materials</i> , 2015, 27, 498-526.	11.1	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.	7.2	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.	4.1	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.	5.0	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.	4.0	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.	1.6	191
8	Dopamine fluorescent sensors based on polypyrrole/graphene quantum dots core/shell hybrids. <i>Biosensors and Bioelectronics</i> , 2015, 64, 404-410.	5.3	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.	5.7	176
10	Bio-inspired nitric-oxide-driven nanomotor. <i>Nature Communications</i> , 2019, 10, 966.	5.8	176
11	Various approaches to modify biomaterial surfaces for improving hemocompatibility. <i>Advances in Colloid and Interface Science</i> , 2004, 110, 5-17.	7.0	165
12	Synthesis and characterization of water-soluble O-succinyl-chitosan. <i>European Polymer Journal</i> , 2003, 39, 1629-1634.	2.6	163
13	Grafting of Zwitterion from Cellulose Membranes via ATRP for Improving Blood Compatibility. <i>Biomacromolecules</i> , 2009, 10, 2809-2816.	2.6	163
14	Ultrasensitive dopamine sensor based on novel molecularly imprinted polypyrrole coated carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2014, 58, 237-241.	5.3	158
15	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110596.	2.5	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.	5.3	139
17	Improvement of Hemocompatibility of Polycaprolactone Film Surfaces with Zwitterionic Polymer Brushes. <i>Langmuir</i> , 2011, 27, 11575-11581.	1.6	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.	2.9	129

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19	Preparation of N-alkyl-O-sulfate chitosan derivatives and micellar solubilization of taxol. <i>Carbohydrate Polymers</i> , 2003, 54, 137-141.	5.1	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.	3.9	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.	4.0	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.	4.0	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.	6.6	105
24	Graphene Oxide Noncovalent Photosensitizer and Its Anticancer Activity In Vitro. <i>Chemistry - A European Journal</i> , 2011, 17, 12084-12091.	1.7	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.	2.5	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.	1.7	100
27	Biodegradable Poly(γ -glutamic acid)@glucose oxidase@carbon dot nanoparticles for simultaneous multimodal imaging and synergetic cancer therapy. <i>Biomaterials</i> , 2020, 252, 120106.	5.7	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.	6.6	98
29	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14458-14465.	7.2	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.	5.2	93
31	Nitric Oxide-Driven Nanomotor for Deep Tissue Penetration and Multidrug Resistance Reversal in Cancer Therapy. <i>Advanced Science</i> , 2021, 8, 2002525.	5.6	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.	2.5	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.	1.3	90
34	Controlled release and antibacterial activity chlorhexidine acetate (CA) intercalated in montmorillonite. <i>International Journal of Pharmaceutics</i> , 2009, 382, 45-49.	2.6	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.	5.7	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.	2.2	82

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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.	4.0	82
38	Improvement of blood compatibility on cellulose membrane surface by grafting betaines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 147-155.	2.5	79
39	High-efficiency loading of hypocrellin B on graphene oxide for photodynamic therapy. <i>Carbon</i> , 2012, 50, 5594-5604.	5.4	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.	2.5	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.	3.1	78
42	Self-assembly of supramolecularly engineered polymers and their biomedical applications. <i>Chemical Communications</i> , 2014, 50, 11994-12017.	2.2	77
43	Dispersion of Silica Fines in Water/Ethanol Suspensions. <i>Journal of Colloid and Interface Science</i> , 2001, 238, 279-284.	5.0	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.	5.0	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.	1.5	75
46	Surface-initiated RAFT polymerization of sulfobetaine from cellulose membranes to improve hemocompatibility and antibiofouling property. <i>Polymer Chemistry</i> , 2013, 4, 5074.	1.9	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.	5.3	73
48	Fabrication of PHBV/keratin composite nanofibrous mats for biomedical applications. <i>Macromolecular Research</i> , 2009, 17, 850-855.	1.0	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.	6.6	73
50	Biosafety, Functionalities, and Applications of Biomedical Micro/nanomotors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13158-13176.	7.2	73
51	Enhanced blood compatibility of polyurethane functionalized with sulfobetaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 90-95.	2.5	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.	2.6	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.	2.2	68

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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.	2.6	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.	2.9	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.	5.0	66
58	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie</i> , 2020, 132, 14566-14573.	1.6	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.	5.7	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.	2.5	65
61	Effect of organophilic montmorillonite on polyurethane/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2536-2542.	1.3	65
62	Blood compatibility of chitosan/heparin complex surface modified ePTFE vascular graft. <i>Applied Surface Science</i> , 2005, 241, 485-492.	3.1	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.	3.7	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.	2.3	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.	1.9	64
66	Preparation, characterization, and properties of TiO ₂ /PLA nanocomposites by in situ polymerization. <i>Polymer Composites</i> , 2009, 30, 1074-1080.	2.3	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.	5.2	63
68	Preparation of polypropylene superhydrophobic surface and its blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 247-250.	2.5	62
69	Differences in cytocompatibility between collagen, gelatin and keratin. <i>Materials Science and Engineering C</i> , 2016, 59, 30-34.	3.8	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.	2.5	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.	2.5	60
72	Fabrication of protein-doped PLA composite nanofibrous scaffolds for tissue engineering. <i>Polymer International</i> , 2008, 57, 1188-1193.	1.6	60

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73	Novel wound dressing based on nanofibrous PHBV-keratin mats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1027-1035.	1.3	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.	5.4	60
75	Preparation and characterization of nylon 66/montmorillonite nanocomposites with co-treated montmorillonites. <i>European Polymer Journal</i> , 2003, 39, 1641-1646.	2.6	59
76	Blood compatibility of polyurethane surface grafted copolymerization with sulfobetaine monomer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 36, 27-33.	2.5	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.	2.4	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.	4.0	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.	2.5	58
80	Grafting sulfobetaine monomer onto silicone surface to improve haemocompatibility. <i>Polymer International</i> , 2004, 53, 121-126.	1.6	57
81	Multifunctional Nanocomposites for Targeted, Photothermal, and Chemotherapy. <i>Chemistry of Materials</i> , 2019, 31, 1847-1859.	3.2	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.	2.5	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.	1.1	55
85	S-nitrosated keratin composite mats with NO release capacity for wound healing. <i>Chemical Engineering Journal</i> , 2020, 400, 125964.	6.6	55
86	Synthesis and antimicrobial activities of polymer/montmorillonite-chlorhexidine acetate nanocomposite films. <i>Applied Clay Science</i> , 2009, 42, 667-670.	2.6	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> , 2019, 144, 3668-3675.	1.7	54
88	Neoadjuvant Chemotherapy Based on Abraxane/Human Neutrophils Cytopharmaceuticals with Radiotherapy for Gastric Cancer. <i>Small</i> , 2019, 15, e1804191.	5.2	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.	3.3	53

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91	Multi-functional zwitterionic coating for silicone-based biomedical devices. <i>Chemical Engineering Journal</i> , 2020, 398, 125663.	6.6	53
92	Platelet-derived nanomotor coated balloon for atherosclerosis combination therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5765-5775.	2.9	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.	1.8	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.	2.5	51
96	Zwitterionic Polymer-Gated Au@TiO ₂ Core-Shell Nanoparticles for Imaging-Guided Combined Cancer Therapy. <i>Theranostics</i> , 2019, 9, 5035-5048.	4.6	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.	6.6	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.	2.6	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.	6.6	51
100	Electrochemical immunosensor based on hyperbranched structure for carcinoembryonic antigen detection. <i>Biosensors and Bioelectronics</i> , 2014, 58, 9-16.	5.3	50
101	Label-free immunosensor based on hyperbranched polyester for specific detection of α -fetoprotein. <i>Biosensors and Bioelectronics</i> , 2017, 92, 1-7.	5.3	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.	2.5	49
103	Extraction, characterization, and NO release potential of keratin from human hair. <i>Materials Letters</i> , 2016, 175, 188-190.	1.3	49
104	Synthesis, characterization, and microsphere formation of galactosylated chitosan. <i>Journal of Applied Polymer Science</i> , 2004, 91, 659-665.	1.3	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.	2.0	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.	5.3	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.	2.0	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.	2.6	47

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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.	6.6	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.	4.0	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.	3.8	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.	5.7	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.	2.9	46
114	The structure and properties of PA6/MMT nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , 2004, 44, 2070-2074.	1.5	45
115	Biocompatibility of CS-PPy nanocomposites and their application to glucose biosensor. <i>Bioelectrochemistry</i> , 2012, 88, 1-7.	2.4	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.	2.6	45
117	Chemical grafting of sulfobetaine onto poly(ether urethane) surface for improving blood compatibility. <i>Polymer International</i> , 2003, 52, 1869-1875.	1.6	44
118	Preparation of Silica-Coated Poly(styrene- <i>co</i> -4-vinylpyridine) Particles and Hollow Particles. <i>Langmuir</i> , 2008, 24, 10453-10461.	1.6	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.	2.5	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.	1.6	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.	2.8	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.	7.1	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.	2.5	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.	1.2	42
125	Preparation, blood compatibility and anticoagulant effect of heparin-loaded polyurethane microspheres. <i>Journal of Materials Chemistry B</i> , 2013, 1, 447-453.	2.9	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.	1.8	41

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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.	2.4	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.	2.6	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.	2.6	41
130	Detection of organophosphorus pesticides by nanogold/mercaptomethamidophos multi-residue electrochemical biosensor. Food Chemistry, 2021, 354, 129511.	4.2	41
131	Ultrasmall black phosphorus quantum dots: synthesis, characterization, and application in cancer treatment. Analyst, The, 2018, 143, 5822-5833.	1.7	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.	4.0	39
133	Anti-biofouling contact lenses bearing surface-immobilized layers of zwitterionic polymer by one-step modification. RSC Advances, 2014, 4, 15030.	1.7	39
134	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. Theranostics, 2016, 6, 1703-1716.	4.6	39
135	Genipin cross-linked carbon dots for antimicrobial, bioimaging and bacterial discrimination. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110930.	2.5	39
136	Platelet adhesive resistance of polyurethane surface grafted with zwitterions of sulfobetaine. Colloids and Surfaces B: Biointerfaces, 2004, 36, 19-26.	2.5	38
137	Novel diaminomaleonitrile-based fluorescent probe for ratiometric detection and bioimaging of hypochlorite. Sensors and Actuators B: Chemical, 2018, 265, 365-370.	4.0	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.	1.7	38
139	MXene (Ti₃C₂) Based Pesticide Delivery System for Sustained Release and Enhanced Pest Control. ACS Applied Bio Materials, 2021, 4, 6912-6923.	2.3	38
140	Waste polystyrene foam-graft-acrylic acid/montmorillonite superabsorbent nanocomposite. Journal of Applied Polymer Science, 2007, 104, 2341-2349.	1.3	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.	3.8	37
142	Mesoporous Silica Nanoparticles-Encapsulated Agarose and Heparin as Anticoagulant and Resisting Bacterial Adhesion Coating for Biomedical Silicone. Langmuir, 2017, 33, 5245-5252.	1.6	37
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