

Jian Shen

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456
papers

13,233
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54
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486
ext. papers

15,252
ext. citations

5.9
avg, IF

6.77
L-index

#	Paper	IF	Citations
456	Polymer/silica nanocomposites: preparation, characterization, properties, and applications. <i>Chemical Reviews</i> , 2008 , 108, 3893-957	68.1	1705
455	Functional supramolecular polymers for biomedical applications. <i>Advanced Materials</i> , 2015 , 27, 498-526	24	346
454	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	9.6	199
453	Covalent immobilization of chitosan/heparin complex with a photosensitive hetero-bifunctional crosslinking reagent on PLA surface. <i>Biomaterials</i> , 2002 , 23, 4657-65	15.6	163
452	A Yolk-Shell-Structured FePO Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17504-17510	16.4	160
451	Bamboo-like Composites of V2O5/Polyindole and Activated Carbon Cloth as Electrodes for All-Solid-State Flexible Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3776-83	9.5	158
450	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, 624-33	9.3	157
449	Dopamine fluorescent sensors based on polypyrrole/graphene quantum dots core/shell hybrids. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 404-10	11.8	151
448	Various approaches to modify biomaterial surfaces for improving hemocompatibility. <i>Advances in Colloid and Interface Science</i> , 2004 , 110, 5-17	14.3	149
447	Grafting of zwitterion from cellulose membranes via ATRP for improving blood compatibility. <i>Biomacromolecules</i> , 2009 , 10, 2809-16	6.9	146
446	Synthesis and characterization of water-soluble O-succinyl-chitosan. <i>European Polymer Journal</i> , 2003 , 39, 1629-1634	5.2	144
445	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, 1286-91	11.8	129
444	Ultrasensitive dopamine sensor based on novel molecularly imprinted polypyrrole coated carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 237-41	11.8	126
443	Improvement of hemocompatibility of polycaprolactone film surfaces with zwitterionic polymer brushes. <i>Langmuir</i> , 2011 , 27, 11575-81	4	120
442	Preparation of N-alkyl-O-sulfate chitosan derivatives and micellar solubilization of taxol. <i>Carbohydrate Polymers</i> , 2003 , 54, 137-141	10.3	113
441	Bio-inspired nitric-oxide-driven nanomotor. <i>Nature Communications</i> , 2019 , 10, 966	17.4	110
440	Electrospun polyurethane/keratin/AgNP biocomposite mats for biocompatible and antibacterial wound dressings. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 635-648	7.3	99

439	Au nanoparticles decorated polypyrrole/reduced graphene oxide hybrid sheets for ultrasensitive dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 759-763	8.5	97
438	Graphene oxide noncovalent photosensitizer and its anticancer activity in vitro. <i>Chemistry - A European Journal</i> , 2011 , 17, 12084-91	4.8	91
437	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, 52-8	6	86
436	Polyurethane vascular catheter surface grafted with zwitterionic sulfobetaine monomer activated by ozone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 35, 1-5	6	85
435	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	6.7	82
434	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	13	80
433	Controlled release and antibacterial activity chlorhexidine acetate (CA) intercalated in montmorillonite. <i>International Journal of Pharmaceutics</i> , 2009 , 382, 45-9	6.5	79
432	Platelet adhesive resistance of segmented polyurethane film surface-grafted with vinyl benzyl sulfo monomer of ammonium zwitterions. <i>Biomaterials</i> , 2003 , 24, 4223-31	15.6	79
431	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	14.7	76
430	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	5.8	76
429	Adsorption Mechanism of Comb Polymer Dispersants at the Cement/Water Interface. <i>Journal of Dispersion Science and Technology</i> , 2010 , 31, 790-798	1.5	75
428	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110596	6	75
427	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	6	74
426	Chemically induced graft copolymerization of 2-hydroxyethyl methacrylate onto polyurethane surface for improving blood compatibility. <i>Applied Surface Science</i> , 2011 , 258, 755-760	6.7	73
425	High-efficiency loading of hypocrellin B on graphene oxide for photodynamic therapy. <i>Carbon</i> , 2012 , 50, 5594-5604	10.4	72
424	Improvement of blood compatibility on cellulose membrane surface by grafting betaines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003 , 30, 147-155	6	72
423	Facile Synthesis of Molecularly Imprinted Graphene Quantum Dots for the Determination of Dopamine with Affinity-Adjustable. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11741-7	9.5	70
422	Self-assembly of supramolecularly engineered polymers and their biomedical applications. <i>Chemical Communications</i> , 2014 , 50, 11994-2017	5.8	69

4 ²¹	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	3.8	68
4 ²⁰	Dispersion of Silica Fines in Water-Ethanol Suspensions. <i>Journal of Colloid and Interface Science</i> , 2001 , 238, 279-284	9.3	66
4 ¹⁹	A novel nitrite biosensor based on the direct electron transfer of hemoglobin immobilized on CdS hollow nanospheres. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1869-73	11.8	65
4 ¹⁸	Surface-initiated RAFT polymerization of sulfobetaine from cellulose membranes to improve hemocompatibility and antibiofouling property. <i>Polymer Chemistry</i> , 2013 , 4, 5074	4.9	64
4 ¹⁷	Enhanced blood compatibility of polyurethane functionalized with sulfobetaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 66, 90-5	6	63
4 ¹⁶	Fabrication of PHBV/keratin composite nanofibrous mats for biomedical applications. <i>Macromolecular Research</i> , 2009 , 17, 850-855	1.9	62
4 ¹⁵	Preparation of lotus-leaf-like polystyrene micro- and nanostructure films and its blood compatibility. <i>Journal of Materials Chemistry</i> , 2009 , 19, 9025		62
4 ¹⁴	Synthesis and characterization of chitosan grafted poly(N,N-dimethyl-N-methacryloxyethyl-N-(3-sulfopropyl) ammonium) initiated by ceric (IV) ion. <i>European Polymer Journal</i> , 2003 , 39, 847-850	5.2	62
4 ¹³	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	6	61
4 ¹²	Anti-biofouling ability and cytocompatibility of the zwitterionic brushes-modified cellulose membrane. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7222-7231	7.3	59
4 ¹¹	Highly dispersed carbon nanotube/polypyrrole core/shell composites with improved electrochemical capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15230	13	58
4 ¹⁰	Effect of organophilic montmorillonite on polyurethane/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 2536-2542	2.9	58
4 ⁰⁹	Grafting sulfobetaine monomer onto the segmented poly(ether-urethane) surface to improve hemocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002 , 13, 1081-92	3.5	58
4 ⁰⁸	Insight into adsorption of combined antibiotic-heavy metal contaminants on graphene oxide in water. <i>Separation and Purification Technology</i> , 2020 , 236, 116278	8.3	58
4 ⁰⁷	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	6	57
4 ⁰⁶	Biodegradable Poly(Eglutamic acid)@glucose oxidase@carbon dot nanoparticles for simultaneous multimodal imaging and synergetic cancer therapy. <i>Biomaterials</i> , 2020 , 252, 120106	15.6	56
4 ⁰⁵	Fabrication of protein-doped PLA composite nanofibrous scaffolds for tissue engineering. <i>Polymer International</i> , 2008 , 57, 1188-1193	3.3	56
4 ⁰⁴	Blood compatibility of chitosan/heparin complex surface modified ePTFE vascular graft. <i>Applied Surface Science</i> , 2005 , 241, 485-492	6.7	56

403	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	6	55
402	Facile synthesis of ZnO QDs@GO-CS hydrogel for synergetic antibacterial applications and enhanced wound healing. <i>Chemical Engineering Journal</i> , 2019 , 378, 122043	14.7	54
401	Preparation, characterization, and properties of TiO ₂ /PLA nanocomposites by in situ polymerization. <i>Polymer Composites</i> , 2009 , 30, 1074-1080	3	54
400	Preparation of polypropylene superhydrophobic surface and its blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 247-50	6	53
399	Grafting sulfobetaine monomer onto silicone surface to improve haemocompatibility. <i>Polymer International</i> , 2004 , 53, 121-126	3.3	53
398	Blood compatibility of polyurethane surface grafted copolymerization with sulfobetaine monomer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 36, 27-33	6	53
397	Preparation and characterization of nylon 66/montmorillonite nanocomposites with co-treated montmorillonites. <i>European Polymer Journal</i> , 2003 , 39, 1641-1646	5.2	53
396	Novel wound dressing based on nanofibrous PHBV-keratin mats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 1027-35	4.4	52
395	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, 327-32	6	52
394	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	6	52
393	Preparation and evaluation of well-defined hemocompatible layered double hydroxide-poly(sulfobetaine) nanohybrids. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15362		50
392	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	9.5	49
391	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	49
390	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14458-14465	16.4	49
389	Antibacterial and anticoagulation properties of carboxylated graphene oxide-lanthanum complexes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1673-1678		48
388	Zwitterionic modification of polyurethane membranes for enhancing the anti-fouling property. <i>Journal of Colloid and Interface Science</i> , 2016 , 480, 91-101	9.3	48
387	Multifunctional Nanocomposites for Targeted, Photothermal, and Chemotherapy. <i>Chemistry of Materials</i> , 2019 , 31, 1847-1859	9.6	47
386	Synthesis and antimicrobial activities of polymer/montmorillonite-chlorhexidine acetate nanocomposite films. <i>Applied Clay Science</i> , 2009 , 42, 667-670	5.2	47

385	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		47
384	Differences in cytocompatibility between collagen, gelatin and keratin. <i>Materials Science and Engineering C</i> , 2016 , 59, 30-34	8.3	46
383	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, 421-4	5.8	46
382	Electrochemical immunosensor based on hyperbranched structure for carcinoembryonic antigen detection. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 9-16	11.8	46
381	Spectroscopic studies on the interaction of hypocrellin A and hemoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 72, 151-5	4.4	45
380	Bioinspired carbon quantum dots for sensitive fluorescent detection of vitamin B12 in cell system. <i>Analytica Chimica Acta</i> , 2018 , 1032, 154-162	6.6	45
379	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	14.7	44
378	In situ polymerization of highly dispersed polypyrrole on reduced graphite oxide for dopamine detection. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 157-60	11.8	44
377	Chemical grafting of sulfobetaine onto poly(ether urethane) surface for improving blood compatibility. <i>Polymer International</i> , 2003 , 52, 1869-1875	3.3	44
376	Synthesis and Type I/Type II photosensitizing properties of a novel amphiphilic zinc phthalocyanine. <i>Dyes and Pigments</i> , 2006 , 71, 61-67	4.6	43
375	Functionalization of polyvinyl alcohol composite film wrapped in am-ZnO@CuO@Au nanoparticles for antibacterial application and wound healing. <i>Applied Materials Today</i> , 2019 , 17, 36-44	6.6	42
374	The photocatalytic and antibacterial activities of neodymium and iodine doped TiO(2) nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 69-74	6	42
373	Enhanced dual contrast agent, Co(2+)-doped NaYF4:Yb(3+),Tm(3+) nanorods, for near infrared-to-near infrared upconversion luminescence and magnetic resonance imaging. <i>Biomaterials</i> , 2014 , 35, 9167-76	15.6	41
372	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	41
371	Synthesis, characterization, and microsphere formation of galactosylated chitosan. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 659-665	2.9	41
370	Label-free immunosensor based on hyperbranched polyester for specific detection of Ffetoprotein. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 1-7	11.8	40
369	Copolymer coatings consisting of 2-methacryloyloxyethyl phosphorylcholine and 3-methacryloxypropyl trimethoxysilane via ATRP to improve cellulose biocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4031-9	9.5	40
368	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, 8402-9	4	40

367	Preparation of silica-coated poly(styrene-co-4-vinylpyridine) particles and hollow particles. <i>Langmuir</i> , 2008 , 24, 10453-61	4	40
366	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	4.8	40
365	External heavy-atomic construction of photosensitizer nanoparticles for enhanced in vitro photodynamic therapy of cancer. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12744-9	3.4	39
364	Extraction, characterization, and NO release potential of keratin from human hair. <i>Materials Letters</i> , 2016 , 175, 188-190	3.3	39
363	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	6.6	38
362	Near-infrared light-mediated photodynamic/photothermal therapy nanoplatfrom by the assembly of FeO carbon dots with graphitic black phosphorus quantum dots. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2803-2819	7.3	38
361	Facile surface modification of silicone rubber with zwitterionic polymers for improving blood compatibility. <i>Materials Science and Engineering C</i> , 2013 , 33, 3865-74	8.3	38
360	Biocompatibility of CS-PPy nanocomposites and their application to glucose biosensor. <i>Bioelectrochemistry</i> , 2012 , 88, 1-7	5.6	38
359	The influence of fiber diameter of electrospun poly(lactic acid) on drug delivery. <i>Fibers and Polymers</i> , 2012 , 13, 1120-1125	2	38
358	The structure and properties of PA6/MMT nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , 2004 , 44, 2070-2074	2.3	38
357	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	5.5	37
356	Anti-biofouling contact lenses bearing surface-immobilized layers of zwitterionic polymer by one-step modification. <i>RSC Advances</i> , 2014 , 4, 15030	3.7	37
355	Platelet adhesive resistance of polyurethane surface grafted with zwitterions of sulfobetaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 36, 19-26	6	36
354	Ultrasmall black phosphorus quantum dots: synthesis, characterization, and application in cancer treatment. <i>Analyst, The</i> , 2018 , 143, 5822-5833	5	36
353	An electrochemiluminescent aptasensor for amplified detection of exosomes from breast tumor cells (MCF-7 cells) based on G-quadruplex/hemin DNAzymes. <i>Analyst, The</i> , 2019 , 144, 3668-3675	5	35
352	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	6.2	35
351	Novel diaminomaleonitrile-based fluorescent probe for ratiometric detection and bioimaging of hypochlorite. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 365-370	8.5	35
350	Polypeptide-functionalized NaYF ₄ :Yb(3+),Er(3+) nanoparticles: red-emission biomarkers for high quality bioimaging using a 915 nm laser. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18329-36	9.5	35

349	Applications of antibiofouling PEG-coating in electrochemical biosensors for determination of glucose in whole blood. <i>Electrochimica Acta</i> , 2013 , 89, 549-554	6.7	35
348	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, 310-4	6	35
347	Preparation, blood compatibility and anticoagulant effect of heparin-loaded polyurethane microspheres. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 447-453	7.3	35
346	Cancer Theranostic Nanoparticles Self-Assembled From Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. <i>Theranostics</i> , 2016 , 6, 1703-16	12.1	35
345	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	6	34
344	Hemocompatibility improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of zwitterions. <i>Materials Science and Engineering C</i> , 2014 , 36, 42-8	8.3	34
343	Immobilization of horseradish peroxidase on O-carboxymethylated chitosan/sol-gel matrix. <i>Reactive and Functional Polymers</i> , 2006 , 66, 863-870	4.6	34
342	Surface modification of SPEU films by ozone induced graft copolymerization to improve hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003 , 29, 247-256	6	34
341	Ag@FeO@C nanoparticles for multi-modal imaging-guided chemo-photothermal synergistic targeting for cancer therapy. <i>Analytica Chimica Acta</i> , 2019 , 1086, 122-132	6.6	33
340	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	14.7	33
339	Introduction of anticoagulation group to polypropylene film by radiation grafting and its blood compatibility. <i>Applied Surface Science</i> , 2004 , 228, 26-33	6.7	33
338	Zwitterionic Polymer-Gated Au@TiO Core-Shell Nanoparticles for Imaging-Guided Combined Cancer Therapy. <i>Theranostics</i> , 2019 , 9, 5035-5048	12.1	32
337	A new sol-gel silica nanovehicle preparation for photodynamic therapy in vitro. <i>International Journal of Pharmaceutics</i> , 2010 , 386, 131-7	6.5	32
336	In vitro studies of platelet adhesion on UV radiation-treated nylon surface. <i>Carbohydrate Polymers</i> , 2005 , 59, 19-25	10.3	32
335	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	4.4	31
334	A facile, controllable fabrication of polystyrene/graphene core-shell microspheres and its application in high-performance electrocatalysis. <i>Chemical Communications</i> , 2012 , 48, 7997-9	5.8	31
333	Novel Blood-Compatible Polyurethane Ionomer Nanoparticles. <i>Macromolecules</i> , 2009 , 42, 9366-9368	5.5	31
332	Waste polystyrene foam-graft-acrylic acid/montmorillonite superabsorbent nanocomposite. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2341-2349	2.9	31

331	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	5.6	30
330	Water-soluble hypocrellin A nanoparticles as a photodynamic therapy delivery system. <i>Dyes and Pigments</i> , 2009 , 82, 90-94	4.6	30
329	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	8.3	30
328	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	3.4	30
327	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	14.7	30
326	Nitric Oxide-Driven Nanomotor for Deep Tissue Penetration and Multidrug Resistance Reversal in Cancer Therapy. <i>Advanced Science</i> , 2021 , 8, 2002525	13.6	30
325	Correlation between Dielectric/Electric Properties and Cross-Linking/Charge Density Distributions of Thermally Sensitive Spherical PNIPAM Microgels. <i>Macromolecules</i> , 2012 , 45, 6158-6167	5.5	29
324	Modification of polyethylene with Pluronics F127 for improvement of blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 362-5	6	29
323	Preparation and photodynamic properties of water-soluble hypocrellin A-silica nanospheres. <i>Materials Letters</i> , 2008 , 62, 2910-2913	3.3	29
322	Novel preparation and properties of EPDM/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 2578-2585	2.9	29
321	Synthesis and properties of a poly(acrylic acid)/montmorillonite superabsorbent nanocomposite. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5725-5730	2.9	29
320	Platelet adhesion onto segmented polyurethane surfaces modified by carboxybetaine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 1339-49	3.5	29
319	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	6.7	28
318	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
317	Study of elastomeric polyurethane nanocomposites prepared from grafted organicmontmorillonite. <i>Colloid and Polymer Science</i> , 2006 , 284, 1057-1061	2.4	28
316	Study on the structure and properties of EVA/clay nanocomposites. <i>Journal of Materials Science</i> , 2004 , 39, 4301-4303	4.3	28
315	Neoadjuvant Chemotherapy Based on Abraxane/Human Neutrophils Cytopharmaceuticals with Radiotherapy for Gastric Cancer. <i>Small</i> , 2019 , 15, e1804191	11	28
314	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	14.7	28

313	Facile Synthesis of Highly Active Three-Dimensional Urchin-like [email[protected]] Nanostructures for Improved Methanol and Ethanol Electrochemical Oxidation. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3226-3235	5.6	28
312	Preparation of keratin/chlorhexidine complex nanoparticles for long-term and dual stimuli-responsive release. <i>RSC Advances</i> , 2015 , 5, 82334-82341	3.7	27
311	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	6.6	27
310	Novel polylactide/vermiculite nanocomposites by in situ intercalative polymerization. I. Preparation, characterization, and properties. <i>Polymer Composites</i> , 2007 , 28, 545-550	3	27
309	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	3.3	27
308	Image-guided cancer therapy using aptamer-functionalized cross-linked magnetic-responsive FeO@carbon nanoparticles. <i>Analytica Chimica Acta</i> , 2019 , 1056, 108-116	6.6	27
307	Platelet-derived nanomotor coated balloon for atherosclerosis combination therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5765-5775	7.3	26
306	Polyurethane/polyurethane nanoparticle-modified expanded poly(tetrafluoroethylene) vascular patches promote endothelialization. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2131-2140	5.4	26
305	Preparation of Electrochemical Cytosensor for Sensitive Detection of HeLa Cells Based on Self-Assembled Monolayer. <i>Electrochimica Acta</i> , 2014 , 123, 511-517	6.7	26
304	Facile synthesis of trimetallic PtAuCu alloy nanowires as HighPerformance electrocatalysts for methanol oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 504-511	5.7	26
303	Mesoporous Silica Nanoparticles-Encapsulated Agarose and Heparin as Anticoagulant and Resisting Bacterial Adhesion Coating for Biomedical Silicone. <i>Langmuir</i> , 2017 , 33, 5245-5252	4	25
302	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	7.3	25
301	Preparation of a novel immunosensor for tumor biomarker detection based on ATRP technique. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2132-2138	7.3	25
300	Innovative biocompatible nanospheres as biomimetic platform for electrochemical glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013 , 44, 1-5	11.8	25
299	Synthesis and antifungal activities of polymer/montmorillonite/terbinafine hydrochloride nanocomposite films. <i>Applied Clay Science</i> , 2009 , 46, 136-140	5.2	25
298	Novel triethanolamine assisted sol-gel synthesis of N-doped TiO ₂ hollow spheres. <i>Materials Letters</i> , 2010 , 64, 1398-1400	3.3	25
297	Real-time self-tracking of an anticancer small molecule nanodrug based on colorful fluorescence variations. <i>RSC Advances</i> , 2016 , 6, 12472-12478	3.7	24
296	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	9.5	24

295	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	7.3	24
294	Surface-initiated reverse atom transfer radical polymerization (SI-RATRP) for blood-compatible polyurethane substrates. <i>Applied Surface Science</i> , 2011 , 258, 618-626	6.7	24
293	Evaluation of antithrombogenic and antibacterial activities of a graphite oxide/heparinBenzalkonium chloride composite. <i>Carbon</i> , 2009 , 47, 1343-1350	10.4	24
292	New biocompatible polypyrrole-based films with good blood compatibility and high electrical conductivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 67, 41-5	6	24
291	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	2.9	24
290	Surface modification using photocrosslinkable chitosan for improving hemocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 38, 47-53	6	24
289	The preparation and properties of dextrin-graft-acrylic acid/montmorillonite superabsorbent nanocomposite. <i>Polymer Composites</i> , 2009 , 30, 976-981	3	23
288	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	2.9	23
287	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	7.3	23
286	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	9.3	23
285	Characteristics of dispersion behavior of fine particles in different liquid media. <i>Powder Technology</i> , 2003 , 137, 91-94	5.2	22
284	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	10.4	22
283	S-nitrosated keratin composite mats with NO release capacity for wound healing. <i>Chemical Engineering Journal</i> , 2020 , 400, 125964	14.7	21
282	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	8.5	21
281	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	8.5	21
280	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	4	20
279	Zwitterionic hyperbranched polyester functionalized cardiovascular stent and its biocompatibility. <i>Journal of Colloid and Interface Science</i> , 2014 , 420, 88-96	9.3	20
278	Blood compatibility of a new zwitterionic bare metal stent with hyperbranched polymer brushes. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5036-5044	7.3	20

277	A high-sensitivity immunosensor for detection of tumor marker based on functionalized mesoporous silica nanoparticles. <i>Electrochimica Acta</i> , 2013 , 112, 473-479	6.7	20
276	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	2.3	20
275	Synthesis and characterization of polyurethane/montmorillonite nanocomposites by in situ polymerization. <i>Polymer International</i> , 2006 , 55, 500-504	3.3	20
274	Reduced platelet adhesion on the surface of polyurethane bearing structure of sulfobetaine. <i>Journal of Biomaterials Applications</i> , 2003 , 18, 123-35	2.9	20
273	Internal friction behavior of carbon-carbon composites. <i>Carbon</i> , 2000 , 38, 2095-2101	10.4	20
272	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		20
271	Biosafety, Functionalities, and Applications of Biomedical Micro/nanomotors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13158-13176	16.4	20
270	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	9.5	19
269	In situ implantable three-dimensional extracellular matrix bioactive composite scaffold for postoperative skin cancer therapy. <i>Chemical Engineering Journal</i> , 2020 , 400, 125949	14.7	19
268	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	11.8	19
267	Preparation of novel electrochemical glucose biosensors for whole blood based on antibiofouling polyurethane-heparin nanoparticles. <i>Electrochimica Acta</i> , 2013 , 97, 349-356	6.7	19
266	Cyanate ester resin modified by hydroxyl-terminated polybutadiene: Morphology, thermal, and mechanical properties. <i>Polymer Engineering and Science</i> , 2011 , 51, 1404-1408	2.3	19
265	Study of nanocomposites prepared by melt blending TPU and montmorillonite. <i>Polymer Composites</i> , 2008 , 29, 385-389	3	19
264	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	9.1	19
263	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	3.6	19
262	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	7.3	19
261	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	16.4	18
260	Genipin cross-linked carbon dots for antimicrobial, bioimaging and bacterial discrimination. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 190, 110930	6	18

259	Facilely prepared oxidized carbon Fiber@Co3O4@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	6.7	18
258	Biocompatible phosphonic acid-functionalized silica nanoparticles for sensitive detection of hypoxanthine in real samples. <i>Talanta</i> , 2013 , 117, 536-42	6.2	18
257	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	2.9	18
256	Mitochondria-targeting photosensitizer-encapsulated amorphous nanocage as a bimodal reagent for drug delivery and biodiagnose in vitro. <i>Biomedical Microdevices</i> , 2010 , 12, 655-63	3.7	18
255	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	3.3	18
254	A self-optimizing electrodeposition process for fabrication of calcium phosphate coatings. <i>Materials Letters</i> , 2001 , 50, 103-107	3.3	18
253	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	8.3	18
252	An enhanced chemotherapeutic effect facilitated by sonication of MSN. <i>Dalton Transactions</i> , 2017 , 46, 11875-11883	4.3	17
251	Synthesis and characterization of a poly(acrylic acid)-graft-methoxy poly(ethylene oxide) comblike copolymer. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3286-3291	2.9	17
250	Effects of Poly(acrylic acid) on Rheological and Dispersion Properties of Aqueous TiO2 Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2007 , 46, 1117-1120		17
249	Effect of compound inorganic nano-stabilizer on the stability of high concentration coal water mixtures. <i>Fuel</i> , 2006 , 85, 2524-2529	7.1	17
248	Poly(E-caprolactone)/keratin/heparin/VEGF biocomposite mats for vascular tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 292-300	5.4	17
247	Anticoagulant polyurethane substrates modified with poly(2-methacryloyloxyethyl phosphorylcholine) via SI-RATRP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 163, 301-308	6	16
246	Preparation and characterization of nano/micro-calcium carbonate particles/polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3560-3565	2.9	16
245	Preparation and blood compatibility of phosphorylcholine-bonded O-butyrylchitosan. <i>Polymer International</i> , 2003 , 52, 81-85	3.3	16
244	Cell adhesion behavior of chitosan surface modified by bonding 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002 , 13, 501-10	3.5	16
243	Detection of organophosphorus pesticides by nanogold/mercaptomethamidophos multi-residue electrochemical biosensor. <i>Food Chemistry</i> , 2021 , 354, 129511	8.5	16
242	Design of hemocompatible and antifouling PET sheets with synergistic zwitterionic surfaces. <i>Journal of Colloid and Interface Science</i> , 2016 , 480, 205-217	9.3	15

241	Novel triphenylamine-based fluorescent probe for specific detection and bioimaging of OCl ⁻ . <i>Tetrahedron</i> , 2018 , 74, 5733-5738	2.4	15
240	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, 1619-28	3.5	15
239	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, 5317-24	2.9	15
238	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		15
237	Collagen/Chitosan Complexes: Preparation, Antioxidant Activity, Tyrosinase Inhibition Activity, and Melanin Synthesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	15
236	Tirapazamine-embedded polyplatinum(IV) complex: a prodrug combo for hypoxia-activated synergistic chemotherapy. <i>Biomaterials Science</i> , 2020 , 8, 694-701	7.4	15
235	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	3.9	15
234	Wound healing acceleration by antibacterial biodegradable black phosphorus nanosheets loaded with cationic carbon dots. <i>Journal of Materials Science</i> , 2021 , 56, 6411-6426	4.3	15
233	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. <i>Analytical Chemistry</i> , 2018 , 90, 9218-9225	7.8	15
232	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	7.3	14
231	The carbonization of polyethyleneimine: facile fabrication of N-doped graphene oxide and graphene quantum dots. <i>RSC Advances</i> , 2015 , 5, 105855-105861	3.7	14
230	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	2.8	14
229	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, 319-24	6	14
228	Research on the composite dispersion of ultra fine powder in the air. <i>Materials Chemistry and Physics</i> , 2001 , 69, 204-209	4.4	14
227	Multi-functional zwitterionic coating for silicone-based biomedical devices. <i>Chemical Engineering Journal</i> , 2020 , 398, 125663	14.7	13
226	Multifunctional red carbon dots: a theranostic platform for magnetic resonance imaging and fluorescence imaging-guided chemodynamic therapy. <i>Analyst, The</i> , 2020 , 145, 3592-3597	5	13
225	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	4.3	13
224	A chitosan-Au-hyperbranched polyester nanoparticles-based antifouling immunosensor for sensitive detection of carcinoembryonic antigen. <i>Analyst, The</i> , 2014 , 139, 4216-22	5	13

223	Novel GO-COO-ED/CA inclusion: its blood compatibility, antibacterial property and drug delivery. <i>Drug Delivery</i> , 2014 , 21, 362-9	7	13
222	Preparation of PNIPAM-g-P (NIPAM-co-St) microspheres and their blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 104, 61-5	6	13
221	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	2.6	13
220	Electrogenerated chemiluminescence from CdS hollow spheres composited with carbon nanofiber and its sensing application. <i>Analyst, The</i> , 2010 , 135, 2579-84	5	13
219	Preparation of N-maleoylchitosan nanocapsules for loading and sustained release of felodipine. <i>Biomacromolecules</i> , 2009 , 10, 1997-2002	6.9	13
218	A Study on Structure and Mechanical Properties of Polyurethane/Organic-Montmorillonite Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 685-689		13
217	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		13
216	Performance and Mechanism of a Multi-Functional Superplasticizer for Concrete. <i>Materials Transactions</i> , 2006 , 47, 1599-1604	1.3	13
215	Interface-like fracture mechanism in pyrolytic carbon matrix-based carbon/carbon composites. <i>Materials Letters</i> , 2001 , 48, 117-120	3.3	13
214	Self-Assembly Protein Superstructures as a Powerful Chemodynamic Therapy Nanoagent for Glioblastoma Treatment. <i>Nano-Micro Letters</i> , 2020 , 12, 151	19.5	13
213	A one-pot modular assembly strategy for triple-play enhanced cytosolic siRNA delivery. <i>Biomaterials Science</i> , 2019 , 7, 901-913	7.4	12
212	Combination anticancer therapy activity studies for the complex of hypocrellin A and gallium ion. <i>Dyes and Pigments</i> , 2014 , 101, 43-50	4.6	12
211	Encapsulation of hydrophobic anticancer drug in nano-scale porous ceramic materials for photodynamic therapy. <i>Journal of Porous Materials</i> , 2011 , 18, 517-522	2.4	12
210	Biopolymer-modified graphite oxide nanocomposite films based on benzalkonium chloride-heparin intercalated in graphite oxide. <i>Nanotechnology</i> , 2010 , 21, 185101	3.4	12
209	Electrospinning of antibacterial poly(vinylidene fluoride) nanofibers containing silver nanoparticles. <i>Journal of Applied Polymer Science</i> , 2009 , 116, n/a-n/a	2.9	12
208	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	9.5	12
207	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	5.4	12
206	Reactive electrospinning of poly(vinyl alcohol) nanofibers. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1067-1073	2.9	11

205	Montmorillonite-phosphatidyl choline/PDMS films: A novel antithrombogenic material. <i>Applied Clay Science</i> , 2009 , 46, 401-403	5.2	11
204	Study on thermoplastic polyurethane/montmorillonite nanocomposites. <i>Polymer Composites</i> , 2008 , 29, 119-124	3	11
203	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	5.2	11
202	Synthetic studies on nonthrombogenic biomaterials 14: synthesis and characterization of poly(ether-urethane) bearing a Zwitterionic structure of phosphorylcholine on the surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 707-18	3.5	11
201	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	6.2	11
200	Poly(hexamethylene biguanide) (PHMB) as high-efficiency antibacterial coating for titanium substrates. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125110	12.8	11
199	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, The</i> , 2020 , 145, 3557-3563	5	11
198	A pure molecular drug hydrogel for post-surgical cancer treatment. <i>Biomaterials</i> , 2021 , 265, 120403	15.6	11
197	Trifluoromethyl aryl sulfonates (TFMS): An applicable trifluoromethoxylation reagent. <i>Tetrahedron Letters</i> , 2019 , 60, 1389-1392	2	10
196	Coronary Stents Decorated by Heparin/NONOate Nanoparticles for Anticoagulant and Endothelialized Effects. <i>Langmuir</i> , 2020 , 36, 2901-2910	4	10
195	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	5.7	10
194	Mutual sensitization mechanism and self-degradation property of drug delivery system for in vitro photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2016 , 498, 335-46	6.5	10
193	Quaternized Chitosan-Coated Montmorillonite Interior Antimicrobial Metal-Antibiotic Coordination Complexation for Mixed Infections of Wounds. <i>Langmuir</i> , 2019 , 35, 15275-15286	4	10
192	Facile Synthesis of PdCu Echinus-Like Nanocrystals as Robust Electrocatalysts for Methanol Oxidation Reaction. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4217-4222	4.5	10
191	Fabrication of nonbiofouling metal stent and in vitro studies on its hemocompatibility. <i>Journal of Biomaterials Applications</i> , 2014 , 29, 14-25	2.9	10
190	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		10
189	Antibacterial and anticoagulation properties of polyethylene/geneO-MPC nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 884-891	2.9	10
188	Nano polyurethane-assisted ultrasensitive biodetection of H ₂ O ₂ over immobilized microperoxidase-11. <i>Biosensors and Bioelectronics</i> , 2011 , 29, 53-9	11.8	10

187	Preparation of anionic polyurethane nanoparticles and blood compatible behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4051-6	1.3	10
186	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	2.4	10
185	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	2.9	10
184	The surface fractal investigation on carbon nanotubes modified by the adsorption of poly(acrylic acid). <i>Surface and Coatings Technology</i> , 2005 , 190, 394-399	4.4	10
183	A simple method for measuring the SERS spectra of water-insoluble organic compounds. <i>Vibrational Spectroscopy</i> , 2001 , 26, 15-22	2.1	10
182	Electrostatic dispersion of fine particles in the air. <i>Powder Technology</i> , 2001 , 120, 187-193	5.2	10
181	Effects of microstructure on the internal friction of carbon-carbon composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 286, 250-256	5.3	10
180	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	4	10
179	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	4.7	9
178	Surface grafting density analysis of high anti-clotting PU-Si-g-P(MPC) films. <i>Applied Surface Science</i> , 2012 , 258, 3920-3926	6.7	9
177	Synthesis of vanadyl-hypocrellin A complex and its photodynamic properties research. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 5003-7	2.9	9
176	Synthesis and characterization of poly(2-methacryloyloxyethyl phosphorylcholine) onto graphene oxide. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 685-691	3.2	9
175	A nanoencapsulated hypocrellin A prepared by an improved microemulsion method for photodynamic treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2095-101	4.5	9
174	Delivering a hydrophobic anticancer drug for photodynamic therapy by amorphous formulation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 6172-4	2.9	9
173	Fast Functionalisation of Polypropylene (Pp) by Ultraviolet Irradiation and Compatibilised Pp/Caco ₃ Composite. <i>Polymers and Polymer Composites</i> , 2008 , 16, 375-378	0.8	9
172	Preparation and properties of EPDM/TiO ₂ composites. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 314-319	2.9	9
171	Introduction of O-butrylchitosan 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	6	9
170	Dual enzyme-mimic nanozyme based on single-atom construction strategy for photothermal-augmented nanocatalytic therapy in the second near-infrared biowindow.. <i>Biomaterials</i> , 2021 , 281, 121325	15.6	9

169	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	11.7	9
168	Preparation of a three-dimensional modified graphene oxide via RAFT polymerization for reinforcing cement composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125925	5.1	9
167	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	7.3	8
166	Keratin-Poly(2-methacryloxyethyl phosphatidylcholine) Conjugate-Based Micelles as a Tumor Micro-Environment-Responsive Drug-Delivery System with Long Blood Circulation. <i>Langmuir</i> , 2020 , 36, 3540-3549	4	8
165	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	8
164	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	4	8
163	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	2.1	8
162	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	3.2	8
161	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	8
160	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	2.4	8
159	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, 432-8	6	8
158	Study on PS/TiO ₂ nanocomposite particles. <i>Journal of Thermoplastic Composite Materials</i> , 2014 , 27, 429-438	4.3	8
157	Cytocompatible performance of thermosensitive poly(N-isopropylacrylamide) nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 1569-78	3.5	8
156	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		8
155	Structure and Property of PU/MMT Nanocomposites by In-Situ Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 619-622		8
154	Studies on Linear Low-Density Polyethylene Functionalized by Ultraviolet Irradiation and Its Compatibilization. <i>Polymer Bulletin</i> , 2006 , 57, 595-602	2.4	8
153	Preparation and properties of new EPDM/vermiculite nanocomposites. <i>Polymer Composites</i> , 2005 , 26, 706-712	3	8
152	Zwitterionic Polypeptide-Based Nanodrug Augments pH-Triggered Tumor Targeting Prolonging Circulation Time and Accelerating Cellular Internalization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46639-46652	9.5	8

151	Metal-Organic Framework (MOF)-Assisted Construction of Core-Shell Nanoflower-like CuO/DH for High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2021 , 35, 8387-8395	4.1	8
150	A new temperature-responsive controlled-release pesticide formulation □ 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	5.1	8
149	Biodegradable and Bioactive Orthopedic Magnesium Implants with Multilayered Protective Coating.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3290-3299	4.1	7
148	A facile method for hemoglobin encapsulation in silica nanoparticles and application in biosensors. <i>Microporous and Mesoporous Materials</i> , 2012 , 160, 106-113	5.3	7
147	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	1.9	7
146	Synthesis of rambutan-like hybrid nanospheres of Au-P123 2009 , 42, 215-218		7
145	Spectroscopic studies on the interaction of hypocrellin A with myoglobin. <i>Spectroscopy</i> , 2007 , 21, 235-243		7
144	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	7
143	Preparation and anticoagulant property of phosphorylcholine-terminated o-benzoylchitosan derivative. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 489-493	2.9	7
142	The soapless emulsion polymerization for the encapsulation of aluminosiloxane sol with PMMA. <i>European Polymer Journal</i> , 2003 , 39, 851-854	5.2	7
141	. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2005 , 23, 611	3.5	7
140	Anchoring Carbon-Coated CoSe Nanoparticles on Hollow Carbon Nanocapsules for Efficient Potassium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6356-6363	6.1	7
139	Photo and redox-responsive vesicles assembled from Bola-type superamphiphiles. <i>RSC Advances</i> , 2016 , 6, 52189-52200	3.7	7
138	Systematic Research and Evaluation Models of Nanomotors for Cancer Combined Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 14566-14573	3.6	7
137	Catalytic Generation of Nitric Oxide from Poly(E-caprolactone)/Phosphobetainized Keratin Mats for a Vascular Tissue Engineering Scaffold. <i>Langmuir</i> , 2020 , 36, 4396-4404	4	7
136	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	9.5	7
135	Study on montmorillonite-chlorhexidine acetate-terbinafine hydrochloride intercalation composites as drug release systems.. <i>RSC Advances</i> , 2018 , 8, 21369-21377	3.7	6
134	Zwitterionic Polymer-Grafted Polylactic Acid Vascular Patches Based on a Decellularized Scaffold for Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 4366-4375	5.5	6

133	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	4.4	6
132	Preparation, characterization, and evaluation of a heparin-benzalkonium chloride-graphite oxide/polymethylvinyl siloxane nanocomposite. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1623-7	5.4	6
131	Novel polyurethane ionomer nanoparticles displayed a good biosensor effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 78-84	6	6
130	Effect of Environmental Temperature on Ultraviolet Irradiated PP and its Composite. <i>Journal of Thermoplastic Composite Materials</i> , 2010 , 23, 137-148	1.9	6
129	Structure and properties of nanocomposites prepared by directly melt blending ethylene-co-vinylacetate and natural montmorillonite. <i>Polymer Composites</i> , 2006 , 27, 529-532	3	6
128	The adsorption of 2,5-dimer-capto-1,3,4-thiadiazole (DMTD) on copper surface and its binding behavior. <i>Science Bulletin</i> , 2001 , 46, 387-389		6
127	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	2.1	6
126	A Vascular Patch Fabricated by Cosegmenting Polyurethane and Polymeric Nanoparticles onto a Decellularized Scaffold Facilitates Endothelialization. <i>Journal of Biomaterials and Tissue Engineering</i> , 2018 , 8, 979-988	0.3	6
125	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	2.5	6
124	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		6
123	Covalently construction of poly(hexamethylene biguanide) as high-efficiency antibacterial coating for silicone rubber. <i>Chemical Engineering Journal</i> , 2021 , 412, 128707	14.7	6
122	Synthesis and molecular dynamics simulation of CuS@GO/S hydrogel for enhanced photothermal antibacterial effect. <i>New Journal of Chemistry</i> , 2021 , 45, 6895-6903	3.6	6
121	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	5.5	6
120	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	4.4	5
119	Biodegradable Zwitterion/PLGA Scaffold Enables Robust Healing of Rat Calvarial Defects with Ultralow Dose of rhBMP-2. <i>Biomacromolecules</i> , 2020 , 21, 2844-2855	6.9	5
118	Detection of Six β Agonists by Three Multiresidue Immunosensors Based on an Anti-bovine Serum Albumin-Ractopamine-Clenbuterol-Salbutamol Antibody. <i>ACS Omega</i> , 2020 , 5, 5548-5555	3.9	5
117	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	4.3	5
116	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, 120-5	4.4	5

115	Fabrication of a novel hydrogen peroxide biosensor based on Au-(PEO106PPO70PEO106) hairy nanospheres. <i>Electrochimica Acta</i> , 2012 , 69, 282-286	6.7	5
114	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	3.7	5
113	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	6.7	5
112	Study on the viscosity of polypropylene composites filled with different size and size distribution CaCO ₃ . <i>Polymer Composites</i> , 2011 , 32, 1026-1033	3	5
111	The interaction of clenbuterol hydrochloride with bovine hemoglobin using spectroscopic techniques and molecular modeling methods. <i>Spectroscopy</i> , 2009 , 23, 271-279		5
110	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		5
109	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	2.9	5
108	Preparation and characterization of composites: EPDM-g-AA/CaCO ₃ . <i>Polymer Composites</i> , 2005 , 26, 587-592		5
107	Engineered Platelet-Based Micro/Nanomotors for Cancer Therapy. <i>Small</i> , 2021 , e2104912	11	5
106	Molecular dynamics simulations suggest conformational and hydration difference between zwitterionic poly (carboxybetaine methacrylate) and poly (ethylene glycol). <i>Chemical Physics</i> , 2020 , 532, 110599	2.3	5
105	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	4	5
104	PDA@TiO ₂ as a novel carrier for pesticide delivery and its application in plant protection: NIR-responsive controlled release and sustained anti-pest activity. <i>Pest Management Science</i> , 2021 , 77, 4960-4970	4.6	5
103	Novel triphosphorylation polyurethane nanoparticles for blood-contacting biomaterials coating. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1116-1121	7.3	5
102	Removal of Ca ²⁺ and Mg ²⁺ from oilfield wastewater using reusable PEG/Fe ₃ O ₄ /GO-NH ₂ nano-adsorbents and its efficiency for oil recovery. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104653	6.8	5
101	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> ,	3.6	5
100	MXene (TiC) Based Pesticide Delivery System for Sustained Release and Enhanced Pest Control.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6912-6923	4.1	5
99	Simulated enzyme inhibition-based strategy for ultrasensitive colorimetric biothiol detection based on nanoperoxidases. <i>Chemical Communications</i> , 2019 , 55, 11543-11546	5.8	4
98	Novel Preparation of Noncovalent Modified GO Using RAFT Polymerization to Reinforce the Performance of Waterborne Epoxy Coatings. <i>Coatings</i> , 2019 , 9, 348	2.9	4

97	A mitochondria-target probe for OCl "naked eye" detection and its imaging in living cell. <i>Talanta</i> , 2019 , 202, 369-374	6.2	4
96	Polyurethane-Cardiolipin Nanoparticle-Modified Decellularized Scaffold-Based Vascular Patches for Tissue Engineering Applications.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1696-1702	4.1	4
95	Mild Anticoagulant Effect of Heparin-Loaded Polycaprolactone Microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 144-50	1.3	4
94	Comparison of 9-hydroxy-artemisinin with artemisinin: interaction with bovine hemoglobin. <i>Journal of Luminescence</i> , 2015 , 160, 188-194	3.8	4
93	Structure-property investigations with dielectric study on phosphorylcholine-based polyurethane. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1868-76	5.4	4
92	An innovative glucose biosensor using antibiofouling Au-F127 nanospheres. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 825-32	4	4
91	Effect of storage on ultraviolet irradiated HDPE. <i>Plastics, Rubber and Composites</i> , 2009 , 38, 219-221	1.5	4
90	Preparation and properties of PU/MCMMT nanocomposites. <i>Polymers for Advanced Technologies</i> , 2009 , 21, n/a-n/a	3.2	4
89	Research and synthesis of organosilicon nonthrombogenic materials containing sulfobetaine group. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 415-20	6	4
88	Effect of PAA-g-MPEO Comb Polymer on TiO ₂ Suspensions. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 1278-1282		4
87	Storage Stability of Ultraviolet Irradiated Hdpe. <i>Polymers and Polymer Composites</i> , 2008 , 16, 303-307	0.8	4
86	A Study of PU/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2009 , 17, 91-96	0.8	4
85	Preparation and Characterization of EVA/MMT Nanocomposites. <i>Polymers and Polymer Composites</i> , 2006 , 14, 301-306	0.8	4
84	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	1.5	4
83	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	9.3	4
82	Preparation and characterization of novel silica-butyrylchitosan hybrid biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 27-31	4.5	4
81	Dispersion characteristics of fine particles in water, ethanol and kerosene. <i>Science Bulletin</i> , 2000 , 45, 1376-1380		4
80	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	9.3	4

79	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	4.5	4
78	A YolkShell-Structured FePO ₄ Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 17657-17663	3.6	4
77	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	4
76	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	3.4	4
75	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	7.9	4
74	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	4.3	3
73	Preparation and in vitro anticancer activity comparison of photosensitive nanoparticles with different self-assemble degree. <i>Dyes and Pigments</i> , 2015 , 122, 206-212	4.6	3
72	Sulfobetainized biocomposite mats with improved biocompatibility and antifouling property. <i>Materials Letters</i> , 2018 , 218, 186-189	3.3	3
71	Preparation and Biocompatibility of Gold@ Polypyrrole-Chitosan with Core-Shell Nanostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2343-9	1.3	3
70	Preparation and biological evaluation of soluble tetrapeptide epoxyketone proteasome inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 4151-4162	3.4	3
69	The synthesis and characterization of ethylenediamine-modified Elsinochrome A. <i>Dyes and Pigments</i> , 2012 , 94, 99-102	4.6	3
68	Comparing the interaction of vanadyl-hypocrellin A complex and hypocrellin A with CT DNA. <i>Journal of Molecular Structure</i> , 2013 , 1036, 127-132	3.4	3
67	Facile Fabrication of Au@127 Nanocolloids with Different Morphologies and their Potential Bioapplications. <i>Australian Journal of Chemistry</i> , 2013 , 66, 381	1.2	3
66	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	3
65	Rheology and processability of polyamide66 filled with different-sized and size-distributed calcium carbonate. <i>Polymer Composites</i> , 2011 , 32, 1633-1639	3	3
64	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	2.9	3
63	Geometric bionics: Lotus effect helps polystyrene nanotube films get good blood compatibility. <i>Nature Precedings</i> , 2009 ,		3
62	Synthesis of thioethyl pendant ligand-stabilized colloidal gold nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5785-9	1.3	3

61	Preparation and characterization of a novel Si-containing crosslinkable O-butyrylchitosan. <i>Colloid and Polymer Science</i> , 2004 , 282, 1222-1227	2.4	3
60	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	9.3	3
59	Affinity studies of hypocrellin B and mono-cysteine substituted hypocrellin B with CT-DNA using spectroscopic methods. <i>Spectroscopy</i> , 2005 , 19, 259-266		3
58	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	5.1	3
57	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	4.5	3
56	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	15.6	3
55	Biosafety, Functionalities, and Applications of Biomedical Micro/nanomotors. <i>Angewandte Chemie</i> , 2021 , 133, 13266-13284	3.6	3
54	A new Ti-based IMAC nanohybrid 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	3.2	3
53	Sodium triphosphate grafted 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	2
52	Detection of four phenolic oestrogens by a novel electrochemical immunosensor based on a hexestrol monoclonal antibody.. <i>RSC Advances</i> , 2020 , 10, 8677-8684	3.7	2
51	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	4.9	2
50	Dielectric and Mechanical Investigations on the Hydrophilicity and Hydrophobicity of Polyethylene Oxide Modified on a Silicon Surface. <i>Langmuir</i> , 2016 , 32, 11395-11404	4	2
49	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	2.2	2
48	Terbinafine hydrochloride intercalated in montmorillonite: synthesis and characterization. <i>Research on Chemical Intermediates</i> , 2013 , 39, 671-680	2.8	2
47	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	2.3	2
46	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	2.9	2
45	Adsorption Behaviour of Tween80 on Graphite. <i>Adsorption Science and Technology</i> , 2005 , 23, 27-35	3.6	2
44	Variation in surface fractal of graphite due to the adsorption of polyoxyethylene sorbitan monooleate. <i>Applied Surface Science</i> , 2005 , 240, 244-250	6.7	2

43	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	13	2
42	Fabrication and bioproperties of raspberry-type hybrid nanoparticles of Au-thioethyl pendant ligand@chitosan. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 115-23	4	2
41	Silica-supported near-infrared carbon dots and bicarbonate nanoplatfom for triple synergistic sterilization and wound healing promotion therapy. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1308-1322	9.3	2
40	Thermal stability and thermal oxidation kinetics of PU/CA-MMT composites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47002	2.9	2
39	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	6	2
38	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	7.3	2
37	Manganese single-atom catalysts for catalytic-photothermal synergistic anti-infected therapy. <i>Chemical Engineering Journal</i> , 2022 , 438, 135636	14.7	2
36	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	2.9	1
35	Synthesis of Calcium Phosphate Nanoparticle-Based Docetaxel Delivery System and its In Vitro Anticancer Activity. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 300-305	2	1
34	Correction: Anti-biofouling ability and cytocompatibility of the zwitterionic brushes-modified cellulose membrane. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6279	7.3	1
33	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	3.5	1
32	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	3.5	1
31	Novel Biomaterials for Human Health: Hemocompatible Polymeric Micro-and Nanoparticles and Their Application in Biosensor 2014 , 181-202		1
30	Thermal stability and kinetics of thermal degradation of PMVS/SiO ₂ /GO-C12-hep composites. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 535-542	2.9	1
29	Studies on quick functionalization of polyethylene through ultraviolet irradiation and its composites. <i>Polymer Bulletin</i> , 2011 , 67, 951-960	2.4	1
28	Hydrodegradation of starch incorporated polylactic acid with acrylic acid as interfacial linker. <i>E-Polymers</i> , 2010 , 10,	2.7	1
27	Synthesis and characterization of shape-memory polyurethane films with blood compatibility 2009 ,		1
26	Impact of ultraviolet radiation on HDPE and HDPE/STC blends. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 341-346	3.2	1

25	The Preparation and Characterization of Electroless Copperplating Low- Temperature Expandable Graphite. <i>Advanced Materials Research</i> , 2012 , 557-559, 1492-1496	0.5	1
24	Preparation of a novel superhydrophobic PMMA surface with nanostructure and its blood compatibility. <i>E-Polymers</i> , 2012 , 12,	2.7	1
23	Investigation of Photoinduced Electron Transfer Between ZnPcLTs and Guanine: The Role of Type I Mechanism in Photodamage of Calf Thymus DNA. <i>Spectroscopy Letters</i> , 2007 , 40, 129-137	1.1	1
22	Anti-aggregation dispersion of ultra fine particles by electrostatic technique. <i>Science Bulletin</i> , 2001 , 46, 740-743		1
21	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	2.2	1
20	Neutrophil-mediated clinical nanodrug for treatment of residual tumor after focused ultrasound ablation. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 345	9.4	1
19	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	1
18	Aggregation and Gelation of Aromatic Polyamides with Parallel and Anti-parallel Alignment of Molecular Dipole Along the Backbone. <i>Scientific Reports</i> , 2016 , 6, 39124	4.9	1
17	Antibacterial activity, cell toxicity, and mechanical property of ultra-high molecular weight polyethylene/chlorhexidine acetate/hontmorillonite nanocomposite. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 647-659	2	1
16	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	3.7	1
15	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	2.4	1
14	Anti-MicroRNA-21 Oligonucleotide Loaded Spermine-Modified Acetalated Dextran Nanoparticles for B1 Receptor-Targeted Gene Therapy and Antiangiogenesis Therapy.. <i>Advanced Science</i> , 2021 , e2103812	13.6	1
13	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 , 102905	3.5	1
12	A Safe and Efficient Strategy for the Rapid Elimination of Blood Lead In Vivo Based on a Capture/Release Mechanism. <i>Angewandte Chemie</i> , 2019 , 131, 10692-10696	3.6	0
11	Nitric oxide-releasing polyurethane/-nitrosated keratin mats for accelerating wound healing.. <i>International Journal of Energy Production and Management</i> , 2022 , 9, rbac006	5.3	0
10	Superoxide Anion Biosensor Based on Bionic-Enzyme Hyperbranched Polyester Particles. <i>Australian Journal of Chemistry</i> , 2018 , 71, 119	1.2	0
9	Zwitterionic-phosphonate block polymer as anti-fouling coating for biomedical metals. <i>Rare Metals</i> , 2011 , 30, 1023-1028	5.5	0
8	Tertiary amines convert O to HO with enhanced photodynamic antibacterial efficiency.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128948	12.8	0

- 7 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, 4986815 1.8
- 6 Structure and properties of irradiated HDPE high-density polyethylene/calcium carbonate composites. *Journal of Thermoplastic Composite Materials*, **2016**, 29, 893-903 1.9
- 5 Studies on fast functionalization of HDPE by ultraviolet irradiation and functionalized HDPE/CaCO₃ composites. *Polymer Bulletin*, **2012**, 68, 2089-2096 2.4
- 4 DNA binding and photo-induced DNA cleavage activity of Elnochrome A in visible light. *Spectroscopy*, **2011**, 26, 289-296
- 3 Synthesis of a Novel SAP with PS Foam. *Materials Science Forum*, **2005**, 475-479, 1029-1032 0.4
- 2 Studies on Nanostructured Polyurethane/Clay Interpenetrating Polymer Networks. *Materials Science Forum*, **2005**, 475-479, 1001-1004 0.4
- 1 Hypericin Nanoparticles for Self-illuminated Photodynamic Cytotoxicity Based on Bioluminescence Resonance Energy Transfer.. *International Journal of Pharmaceutics*, **2022**, 121738 6.5