

En Tang Kang

List of Publications by Year in descending order

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749
papers

42,236
citations

2213

99
h-index

6294

158
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762
all docs

762
docs citations

762
times ranked

34188
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers as advanced antibacterial and antibiofilm agents for direct and combination therapies. Chemical Science, 2022, 13, 345-364.	3.7	74
2	Recent progress in tannic acid-driven antibacterial/antifouling surface coating strategies. Journal of Materials Chemistry B, 2022, 10, 2296-2315.	2.9	46
3	<scp>Polyurethaneâ€based</scp>composites with promising antibacterial properties. Journal of Applied Polymer Science, 2022, 139, .	1.3	24
4	Surface co-deposition of polypyrrole nanoparticles and tannic acid for photothermal bacterial eradication. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112381.	2.5	7
5	Cationic porphyrin-based nanoparticles for photodynamic inactivation and identification of bacteria strains. Biomaterials Science, 2022, 10, 3006-3016.	2.6	10
6	Nontoxic Antimicrobial Cationic Peptide Nanoconstructs with Bacteria-Displaceable Polymeric Counteranions. Nano Letters, 2021, 21, 899-906.	4.5	16
7	Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications. ACS Applied Polymer Materials, 2021, 3, 2233-2263.	2.0	70
8	UV-Assisted Deposition of Antibacterial Agâ€Tannic Acid Nanocomposite Coating. ACS Applied Materials & Interfaces, 2021, 13, 20708-20717.	4.0	45
9	Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. ACS Biomaterials Science and Engineering, 2021, 7, 3379-3388.	2.6	11
10	Mixed-charge pseudo-zwitterionic copolymer brush as broad spectrum antibiofilm coating. Biomaterials, 2021, 273, 120794.	5.7	24
11	High-Density Three-Dimensional Network of Covalently Linked Nitric Oxide Donors to Achieve Antibacterial and Antibiofilm Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 33745-33755.	4.0	12
12	One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. Chemical Engineering Journal, 2021, 421, 130005.	6.6	41
13	Smart nanomicelles with bacterial infection-responsive disassembly for selective antimicrobial applications. Biomaterials Science, 2021, 9, 1627-1638.	2.6	17
14	pH-Sensitive Dextran-Based Micelles from Copper-Free Click Reaction for Antitumor Drug Delivery. Langmuir, 2021, 37, 12990-12999.	1.6	7
15	Antimicrobial Copper-Based Materials and Coatings: Potential Multifaceted Biomedical Applications. ACS Applied Materials & Interfaces, 2020, 12, 21159-21182.	4.0	160
16	Precisely Structured Nitric-Oxide-Releasing Copolymer Brush Defeats Broad-Spectrum Catheter-Associated Biofilm Infections <i>In Vivo</i>. ACS Central Science, 2020, 6, 2031-2045.	5.3	41
17	Potentiating anti-cancer chemotherapeutics and antimicrobials <i>via</i> sugar-mediated strategies. Molecular Systems Design and Engineering, 2020, 5, 772-791.	1.7	12
18	A Simple Drop-and-Dry Approach to Grass-Like Multifunctional Nanocoating on Flexible Cotton Fabrics Using In Situ-Generated Coating Solution Comprising Titanium-Oxo Clusters and Silver Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 12093-12100.	4.0	19

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19	Switchable Antimicrobial and Antifouling Coatings from Tannic Acid-Scaffolded Binary Polymer Brushes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2586-2595.	3.2	41
20	Two-stage thiol-based click reactions for the preparation and adhesion of hydrogels. <i>Polymer Chemistry</i> , 2020, 11, 2986-2994.	1.9	6
21	Receptor-Targeting Drug and Drug Carrier for Enhanced Killing Efficacy against Non-Muscle-Invasive Bladder Cancer. <i>ACS Applied Bio Materials</i> , 2019, 2, 3763-3773.	2.3	2
22	Antimicrobial Peptide-Reduced Gold Nanoclusters with Charge-Reversal Moieties for Bacterial Targeting and Imaging. <i>Biomacromolecules</i> , 2019, 20, 2922-2933.	2.6	59
23	Sugar-powered nanoantimicrobials for combating bacterial biofilms. <i>Biomaterials Science</i> , 2019, 7, 2961-2974.	2.6	8
24	Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 72-79.	5.0	23
25	One-Step Anchoring of Tannic Acid-Scaffolded Bifunctional Coatings of Antifouling and Antimicrobial Polymer Brushes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1786-1795.	3.2	25
26	Transparent Copper-Based Antibacterial Coatings with Enhanced Efficacy against <i>Pseudomonas aeruginosa</i> . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 73-83.	4.0	36
27	Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. <i>Biomacromolecules</i> , 2018, 19, 2156-2165.	2.6	108
28	In Situ Self-Assembled Polyoxotitanate Cages on Flexible Cellulosic Substrates: Multifunctional Coating for Hydrophobic, Antibacterial, and UV-Blocking Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1800345.	7.8	45
29	Tailoring Polyelectrolyte Architecture To Promote Cell Growth and Inhibit Bacterial Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7882-7891.	4.0	42
30	Dextran- and Chitosan-Based Antifouling, Antimicrobial Adhesion, and Self-Polishing Multilayer Coatings from pH-Responsive Linkages-Enabled Layer-by-Layer Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3916-3926.	3.2	65
31	Dominant Albumin-Surface Interactions under Independent Control of Surface Charge and Wettability. <i>Langmuir</i> , 2018, 34, 1953-1966.	1.6	20
32	Electrical stimulation of adipose-derived mesenchymal stem cells and endothelial cells co-cultured in a conductive scaffold for potential orthopaedic applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 878-889.	1.3	48
33	pH-Sensitive Zwitterionic Polymer as an Antimicrobial Agent with Effective Bacterial Targeting. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 40-46.	2.6	45
34	pH-Sensitive Theranostic Nanoparticles for Targeting Bacteria with Fluorescence Imaging and Dual-Modal Antimicrobial Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 6187-6196.	2.4	27
35	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018, 87, 165-196.	11.8	225
36	Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. <i>ACS Symposium Series</i> , 2018, , 233-261.	0.5	1

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37	Recent Developments in Controlled Release of Antibiotics. <i>Current Pharmaceutical Design</i> , 2018, 24, 911-925.	0.9	12
38	Surface modification strategies for combating catheter-related complications: recent advances and challenges. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2045-2067.	2.9	108
39	Increasing bacterial affinity and cytocompatibility with four-arm star glycopolymers and antimicrobial β -polylysine. <i>Polymer Chemistry</i> , 2017, 8, 3364-3373.	1.9	67
40	Arginine-Based Polymer Brush Coatings with Hydrolysis-Triggered Switchable Functionalities from Antimicrobial (Cationic) to Antifouling (Zwitterionic). <i>Langmuir</i> , 2017, 33, 6925-6936.	1.6	25
41	Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3055-3062.	3.2	37
42	Thiol-ol Chemistry for Grafting of Natural Polymers to Form Highly Stable and Efficacious Antibacterial Coatings. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1847-1857.	4.0	44
43	An antimicrobial peptide with an aggregation-induced emission (AIE) luminogen for studying bacterial membrane interactions and antibacterial actions. <i>Chemical Communications</i> , 2017, 53, 3315-3318.	2.2	40
44	In Vivo Anti-Biofilm and Anti-Bacterial Non-Leachable Coating Thermally Polymerized on Cylindrical Catheter. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36269-36280.	4.0	93
45	Transparent Copper-Loaded Chitosan/Silica Antibacterial Coatings with Long-Term Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29515-29525.	4.0	22
46	Antifouling and Antimicrobial Coatings from Zwitterionic and Cationic Binary Polymer Brushes Assembled via Cu^{I} -Click Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 14479-14488.	1.8	46
47	Immobilization of alendronate on titanium via its different functional groups and the subsequent effects on cell functions. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 1-11.	5.0	22
48	Biomimetic anchors applied to the host-guest antifouling functionalization of titanium substrates. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 8-16.	5.0	13
49	Tailoring Soft Nanoparticles for Potential Application as Drug Carriers in Bladder Cancer Chemotherapy. <i>ACS Symposium Series</i> , 2016, , 167-195.	0.5	1
50	PEG-based hydrogels prepared by catalyst-free thiol-alkyne addition and their post-antibacterial modification. <i>Biomaterials Science</i> , 2016, 4, 1663-1672.	2.6	36
51	Antifouling, Antimicrobial, and Antibiocorrosion Multilayer Coatings Assembled by Layer-by-layer Deposition Involving Host-Guest Interaction. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10906-10915.	1.8	36
52	Hairy Hybrid Nanorattles of Platinum Nanoclusters with Dual-Responsive Polymer Shells for Confined Nanocatalysis. <i>Macromolecules</i> , 2016, 49, 5649-5659.	2.2	23
53	Yolk-Shell Nanocomposites of a Gold Nanocore Encapsulated in an Electroactive Polyaniline Shell for Catalytic Aerobic Oxidation. <i>ACS Omega</i> , 2016, 1, 160-167.	1.6	12
54	Scalable Aqueous-Based Process for Coating Polymer and Metal Substrates with Stable Quaternized Chitosan Antibacterial Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9603-9613.	1.8	24

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55	Conjugation of Polyphosphoester and Antimicrobial Peptide for Enhanced Bactericidal Activity and Biocompatibility. <i>Biomacromolecules</i> , 2016, 17, 4037-4044.	2.6	43
56	Thiol Reactive Maleimido-Containing Tannic Acid for the Bioinspired Surface Anchoring and Post-Functionalization of Antifouling Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4264-4272.	3.2	39
57	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. <i>Pharmaceutical Research</i> , 2016, 33, 1161-1174.	1.7	19
58	Antifouling coatings based on covalently cross-linked agarose film via thermal azide-alkyne cycloaddition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 65-73.	2.5	15
59	Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1890-1901.	1.8	42
60	Tannic acid anchored layer-by-layer covalent deposition of parasin I peptide for antifouling and antimicrobial coatings. <i>RSC Advances</i> , 2016, 6, 14809-14818.	1.7	53
61	Co-delivery of peptide-modified cisplatin and doxorubicin via mucoadhesive nanocapsules for potential synergistic intravesical chemotherapy of non-muscle-invasive bladder cancer. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 84, 103-115.	1.9	29
62	Bifunctional coating based on carboxymethyl chitosan with stable conjugated alkaline phosphatase for inhibiting bacterial adhesion and promoting osteogenic differentiation on titanium. <i>Applied Surface Science</i> , 2016, 360, 86-97.	3.1	22
63	Electrical stimulation of adipose-derived mesenchymal stem cells in conductive scaffolds and the roles of voltage-gated ion channels. <i>Acta Biomaterialia</i> , 2016, 32, 46-56.	4.1	140
64	Synthesis of catechol and zwitterion-bifunctionalized poly(ethylene glycol) for the construction of antifouling surfaces. <i>Polymer Chemistry</i> , 2016, 7, 493-501.	1.9	68
65	Polymer Surfaces: Grafting. , 2015, , 5839-5858.		0
66	PEGylated Fluorescent Nanoparticles from One-Pot Atom Transfer Radical Polymerization and "Click Chemistry". <i>Polymers</i> , 2015, 7, 2119-2130.	2.0	5
67	Tea Stains-Inspired Initiator Primer for Surface Grafting of Antifouling and Antimicrobial Polymer Brush Coatings. <i>Biomacromolecules</i> , 2015, 16, 723-732.	2.6	122
68	Quaternized poly(2-(dimethylamino)ethyl methacrylate)-grafted agarose copolymers for multipurpose antibacterial applications. <i>RSC Advances</i> , 2015, 5, 61742-61751.	1.7	20
69	Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5959-5967.	1.8	25
70	Mucoadhesive polyacrylamide nanogel as a potential hydrophobic drug carrier for intravesical bladder cancer therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 72, 57-68.	1.9	49
71	Antifouling and antibacterial hydrogel coatings with self-healing properties based on a dynamic disulfide exchange reaction. <i>Polymer Chemistry</i> , 2015, 6, 7027-7035.	1.9	131
72	PEGylated Metalloporphyrin Nanoparticles as a Promising Catalyst for the Heterogeneous Oxidation of Cyclohexene in Water. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 417-426.	1.1	6

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73	Antifouling coating with controllable and sustained silver release for long-term inhibition of infection and encrustation in urinary catheters. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 519-528.	1.6	90
74	Integration of antifouling and bactericidal moieties for optimizing the efficacy of antibacterial coatings. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 138-148.	5.0	47
75	CHAPTER 1. Organic Electronic Memory Devices. <i>RSC Polymer Chemistry Series</i> , 2015, , 1-53.	0.1	5
76	Hairy fluorescent nanoparticles from one-pot click chemistry and atom transfer radical emulsion polymerization. <i>Polymer International</i> , 2014, 63, 237-243.	1.6	5
77	Resistance-Switchable Graphene Oxide-Polymer Nanocomposites for Molecular Electronics. <i>ChemElectroChem</i> , 2014, 1, 514-519.	1.7	21
78	Effect of adhesive ligand on cell deadhesion kinetics on poly(N-isopropylacrylamide). <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 1433-1445.	0.4	0
79	Enhanced endothelial differentiation of adipose-derived stem cells by substrate nanotopography. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 50-58.	1.3	41
80	Preparation and Unique Electrical Behaviors of Monodispersed Hybrid Nanorattles of Metal Nanocores with Hairy Electroactive Polymer Shells. <i>Chemistry - A European Journal</i> , 2014, 20, 2723-2731.	1.7	13
81	Resistance-Switchable Graphene Oxide-Polymer Nanocomposites for Molecular Electronics. <i>ChemElectroChem</i> , 2014, 1, 478-478.	1.7	0
82	Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014, 39, 1017-1042.	11.8	401
83	Surface Modification of Silicone with Covalently Immobilized and Crosslinked Agarose for Potential Application in the Inhibition of Infection and Omental Wrapping. <i>Advanced Functional Materials</i> , 2014, 24, 1631-1643.	7.8	65
84	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. <i>Polymer Chemistry</i> , 2014, 5, 2010-2017.	1.9	36
85	Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. <i>RSC Advances</i> , 2014, 4, 32335-32344.	1.7	36
86	Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. <i>Journal of Materials Chemistry B</i> , 2014, 2, 398-408.	2.9	31
87	Yolk-shell nanorattles encapsulating a movable Au nanocore in electroactive polyaniline shells for flexible memory device. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5189.	2.7	24
88	Hyperbranched polycaprolactone-click-poly(N-vinylcaprolactam) amphiphilic copolymers and their applications as temperature-responsive membranes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 814-825.	2.9	31
89	A well-defined amphiphilic polymer co-network from precise control of the end-functional groups of linear RAFT polymers. <i>RSC Advances</i> , 2014, 4, 8144.	1.7	26
90	Functionalized Mesoporous Silica Nanoparticles with Mucoadhesive and Sustained Drug Release Properties for Potential Bladder Cancer Therapy. <i>Langmuir</i> , 2014, 30, 6151-6161.	1.6	101

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91	Catecholamine-Induced Electroless Metallization of Silver on Silica@Polymer Hybrid Nanospheres and Their Catalytic Applications. Industrial & Engineering Chemistry Research, 2014, 53, 3116-3124.	1.8	24
92	Mechanistic insights into response of Staphylococcus aureus to bioelectric effect on polypyrrole/chitosan film. Biomaterials, 2014, 35, 7690-7698.	5.7	39
93	Bacterial and osteoblast behavior on titanium, cobalt-chromium alloy and stainless steel treated with alkali and heat: A comparative study for potential orthopedic applications. Journal of Colloid and Interface Science, 2014, 417, 410-419.	5.0	36
94	In vitro endothelialization of cobalt chromium alloys with micro/nanostructures using adipose-derived stem cells. Journal of Materials Science: Materials in Medicine, 2013, 24, 1067-1077.	1.7	6
95	One-pot reaction for the large-scale synthesis of hyperbranched polyglycerol-grafted Fe ₃ O ₄ nanoparticles. Dalton Transactions, 2013, 42, 13642.	1.6	7
96	An <i>In Vitro</i> Assessment of Fibroblast and Osteoblast Response to Alendronate-Modified Titanium and the Potential for Decreasing Fibrous Encapsulation. Tissue Engineering - Part A, 2013, 19, 1919-1930.	1.6	20
97	Enhancing bioactivity of chitosan film for osteogenesis and wound healing by covalent immobilization of BMP-2 or FGF-2. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 645-662.	1.9	40
98	Rhodamine derivative-modified filter papers for colorimetric and fluorescent detection of Hg ²⁺ in aqueous media. Journal of Materials Chemistry A, 2013, 1, 2526.	5.2	54
99	A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. RSC Advances, 2013, 3, 25204.	1.7	30
100	CO ₂ -triggered fluorescence "turn-on" response of perylene diimide-containing poly(N,N-dimethylaminoethyl methacrylate). Journal of Materials Chemistry A, 2013, 1, 1207-1212.	5.2	44
101	Polyacrylamide hybrid nanogels for targeted cancer chemotherapy via co-delivery of gold nanoparticles and MTX. Journal of Colloid and Interface Science, 2013, 412, 46-55.	5.0	43
102	Assessment of stability of surface anchors for antibacterial coatings and immobilized growth factors on titanium. Journal of Colloid and Interface Science, 2013, 406, 238-246.	5.0	34
103	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. Polymer Chemistry, 2013, 4, 3105.	1.9	95
104	Methotrexate-conjugated and hyperbranched polyglycerol-grafted Fe ₃ O ₄ magnetic nanoparticles for targeted anticancer effects. European Journal of Pharmaceutical Sciences, 2013, 48, 111-120.	1.9	61
105	Anti-adhesive and Antibacterial Polymer Brushes. , 2013, , 405-432.		4
106	In Situ Synthesis and Nonvolatile Rewritable Memory Effect of Polyaniline-Functionalized Graphene Oxide. Chemistry - A European Journal, 2013, 19, 6265-6273.	1.7	55
107	Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. Polymer, 2013, 54, 2264-2271.	1.8	30
108	Combined effects of direct current stimulation and immobilized BMP-2 for enhancement of osteogenesis. Biotechnology and Bioengineering, 2013, 110, 1466-1475.	1.7	47

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109	Barnacle Cement as Surface Anchor for “Clicking” of Antifouling and Antimicrobial Polymer Brushes on Stainless Steel. <i>Biomacromolecules</i> , 2013, 14, 2041-2051.	2.6	94
110	Surface-functionalizable membranes of polycaprolactone-click-hyperbranched polyglycerol copolymers from combined atom transfer radical polymerization, ring-opening polymerization and click chemistry. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1304.	2.9	34
111	Reactive Graphene Oxide Nanosheets: A Versatile Platform for the Fabrication of Graphene Oxide–Biomolecule/Polymer Nanohybrids. <i>Macromolecular Rapid Communications</i> , 2013, 34, 234-238.	2.0	22
112	Poly(vinylidene fluoride-co-hexafluoropropylene)-graft-poly(dopamine methacrylamide) copolymers: A nonlinear dielectric material for high energy density storage. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	31
113	Functional polymer brushes via surface-initiated atom transfer radical graft polymerization for combating marine biofouling. <i>Biofouling</i> , 2012, 28, 895-912.	0.8	59
114	Polymeric Nanoparticles with Encapsulated Superparamagnetic Iron Oxide and Conjugated Cisplatin for Potential Bladder Cancer Therapy. <i>Biomacromolecules</i> , 2012, 13, 2513-2520.	2.6	79
115	Combined ATRP and “Click” Chemistry for Designing Stable Tumor-Targeting Superparamagnetic Iron Oxide Nanoparticles. <i>Langmuir</i> , 2012, 28, 563-571.	1.6	45
116	Surface Modification of Silicone for Biomedical Applications Requiring Long-Term Antibacterial, Antifouling, and Hemocompatible Properties. <i>Langmuir</i> , 2012, 28, 16408-16422.	1.6	139
117	Layer-by-Layer Click Deposition of Functional Polymer Coatings for Combating Marine Biofouling. <i>Biomacromolecules</i> , 2012, 13, 2769-2780.	2.6	98
118	Synthesis and memory performance of a conjugated polymer with an integrated fluorene, carbazole and oxadiazole backbone. <i>Polymer Journal</i> , 2012, 44, 257-263.	1.3	9
119	Surface-Functionalized and Surface-Functionalizable Poly(vinylidene fluoride) Membranes via Controlled/Living Radical Polymerization and Click Chemistry. <i>ACS Symposium Series</i> , 2012, , 211-229.	0.5	2
120	Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for “click” functionalization. <i>Polymer Chemistry</i> , 2012, 3, 920.	1.9	54
121	Poly(vinylidene fluoride) Membranes with Hyperbranched Antifouling and Antibacterial Polymer Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15962-15973.	1.8	49
122	Carboxymethyl Chitosan-Functionalized Magnetic Nanoparticles for Disruption of Biofilms of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13164-13172.	1.8	33
123	Immobilization strategy for optimizing VEGF's concurrent bioactivity towards endothelial cells and osteoblasts on implant surfaces. <i>Biomaterials</i> , 2012, 33, 8082-8093.	5.7	52
124	Preparation of jellyfish-shaped amphiphilic block-graft copolymers consisting of a poly(ϵ -caprolactone)-block-poly(pentafluorostyrene) ring and poly(ethylene glycol) lateral brushes. <i>Polymer Chemistry</i> , 2012, 3, 1061.	1.9	39
125	Fluorescent nanoparticles from self-assembly of β -cyclodextrin-functionalized fluorene copolymers for organic molecule sensing and cell labeling. <i>Polymer Chemistry</i> , 2012, 3, 2444.	1.9	20
126	Preparation of stimuli responsive polycaprolactone membranes of controllable porous morphology via combined atom transfer radical polymerization, ring-opening polymerization and thiol–yne click chemistry. <i>Journal of Materials Chemistry</i> , 2012, 22, 16248.	6.7	51

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127	Surface modification of magnetic nanoparticles for stem cell labeling. <i>Soft Matter</i> , 2012, 8, 2057-2069.	1.2	43
128	Push-Pull archetype of reduced graphene oxide functionalized with polyfluorene for nonvolatile rewritable memory. <i>Journal of Polymer Science Part A</i> , 2012, 50, 378-387.	2.5	71
129	Affinity analysis of DNA aptamer-peptide interactions using gold nanoparticles. <i>Analytical Biochemistry</i> , 2012, 421, 725-731.	1.1	42
130	Designer Tridentate Mucin 1 Aptamer for Targeted Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1672-1677.	1.6	15
131	Preparation of Fluorescent Organometallic Porphyrin Complex Nanogels of Controlled Molecular Structure via Reverse Emulsion Click Chemistry. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1523-1527.	2.0	24
132	Preparation of stimuli-responsive hydrogel networks with threaded β -cyclodextrin end-capped chains via combination of controlled radical polymerization and click chemistry. <i>Soft Matter</i> , 2012, 8, 5612.	1.2	33
133	Electrical Bistability and WORM Memory Effects in Donor-Acceptor Polymers Based on Poly(<i>N</i> -vinylcarbazole). <i>ChemPlusChem</i> , 2012, 77, 74-81.	1.3	37
134	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , 2012, 41, 4688.	18.7	257
135	Hydroxyapatite-coated carboxymethyl chitosan scaffolds for promoting osteoblast and stem cell differentiation. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 224-232.	5.0	97
136	Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012, 33, 2813-2822.	5.7	296
137	Inhibition of <i>Escherichia coli</i> and <i>Proteus mirabilis</i> adhesion and biofilm formation on medical grade silicone surface. <i>Biotechnology and Bioengineering</i> , 2012, 109, 336-345.	1.7	131
138	Water-soluble highly fluorescent poly[poly(ethylene glycol) methyl ether methacrylate] for cell labeling. <i>Journal of Materials Chemistry</i> , 2011, 21, 6502.	6.7	27
139	Electrical conductivity switching and memory effects in poly(<i>N</i> -vinylcarbazole) derivatives with pendant azobenzene chromophores and terminal electron acceptor moieties. <i>Journal of Materials Chemistry</i> , 2011, 21, 6027.	6.7	81
140	Surface modified superparamagnetic iron oxide nanoparticles (SPIONs) for high efficiency folate-receptor targeting with low uptake by macrophages. <i>Journal of Materials Chemistry</i> , 2011, 21, 16094.	6.7	29
141	Clickable poly(ester amine) dendrimer-grafted Fe ₃ O ₄ nanoparticles prepared via successive Michael addition and alkyne-azide click chemistry. <i>Polymer Chemistry</i> , 2011, 2, 1312.	1.9	25
142	Hybrid nanorattles of metal core and stimuli-responsive polymer shell for confined catalytic reactions. <i>Polymer Chemistry</i> , 2011, 2, 1368.	1.9	66
143	Lysozyme-Coupled Poly(poly(ethylene glycol) methacrylate)-Stainless Steel Hybrids and Their Antifouling and Antibacterial Surfaces. <i>Langmuir</i> , 2011, 27, 2761-2774.	1.6	197
144	Functional poly(vinylidene fluoride) copolymer membranes via surface-initiated thiol-ene click reactions. <i>Polymer Chemistry</i> , 2011, 2, 1849.	1.9	51

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