

En Tang Kang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

750
papers

37,197
citations

94
h-index

148
g-index

762
ext. papers

39,058
ext. citations

5.6
avg, IF

7.34
L-index

#	Paper	IF	Citations
750	Polymers as advanced antibacterial and antibiofilm agents for direct and combination therapies.. <i>Chemical Science</i> , 2022 , 13, 345-364	9.1	1
749	Recent progress in tannic acid-driven antibacterial/antifouling surface coating strategies.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.1	1
748	Surface co-deposition of polypyrrole nanoparticles and tannic acid for photothermal bacterial eradication.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 212, 112381	5.8	0
747	Nontoxic Antimicrobial Cationic Peptide Nanoconstructs with Bacteria-Displaceable Polymeric Counteranions. <i>Nano Letters</i> , 2021 , 21, 899-906	11.3	4
746	Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3379-3388	5.3	2
745	Mixed-charge pseudo-zwitterionic copolymer brush as broad spectrum antibiofilm coating. <i>Biomaterials</i> , 2021 , 273, 120794	15.2	4
744	High-Density Three-Dimensional Network of Covalently Linked Nitric Oxide Donors to Achieve Antibacterial and Antibiofilm Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33745-33755	9.4	3
743	Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2233-2263	4.2	13
742	UV-Assisted Deposition of Antibacterial Ag-Tannic Acid Nanocomposite Coating. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20708-20717	9.4	11
741	One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. <i>Chemical Engineering Journal</i> , 2021 , 421, 130005	14.6	11
740	Smart nanomicelles with bacterial infection-responsive disassembly for selective antimicrobial applications. <i>Biomaterials Science</i> , 2021 , 9, 1627-1638	7.2	3
739	pH-Sensitive Dextran-Based Micelles from Copper-Free Click Reaction for Antitumor Drug Delivery. <i>Langmuir</i> , 2021 , 37, 12990-12999	3.9	0
738	Antimicrobial Copper-Based Materials and Coatings: Potential Multifaceted Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21159-21182	9.4	39
737	Precisely Structured Nitric-Oxide-Releasing Copolymer Brush Defeats Broad-Spectrum Catheter-Associated Biofilm Infections. <i>ACS Central Science</i> , 2020 , 6, 2031-2045	16.3	13
736	Potentiating anti-cancer chemotherapeutics and antimicrobials via sugar-mediated strategies. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 772-791	4.5	2
735	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. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12093-12100	9.4	10
734	Switchable Antimicrobial and Antifouling Coatings from Tannic Acid-Scaffolded Binary Polymer Brushes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2586-2595	8.2	24

733	Two-stage thiol-based click reactions for the preparation and adhesion of hydrogels. <i>Polymer Chemistry</i> , 2020 , 11, 2986-2994	4.8	3
732	Sugar-powered nanoantimicrobials for combating bacterial biofilms. <i>Biomaterials Science</i> , 2019 , 7, 2961-2974	7.274	3
731	Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. <i>Journal of Colloid and Interface Science</i> , 2019 , 549, 72-79	9.1	14
730	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	4	1
729	Antimicrobial Peptide-Reduced Gold Nanoclusters with Charge-Reversal Moieties for Bacterial Targeting and Imaging. <i>Biomacromolecules</i> , 2019 , 20, 2922-2933	6.7	36
728	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	8.2	17
727	Transparent Copper-Based Antibacterial Coatings with Enhanced Efficacy against <i>Pseudomonas aeruginosa</i> . <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 73-83	9.4	20
726	Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. <i>Biomacromolecules</i> , 2018 , 19, 2156-2165	6.7	73
725	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	15.4	25
724	Tailoring Polyelectrolyte Architecture To Promote Cell Growth and Inhibit Bacterial Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7882-7891	9.4	28
723	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	8.2	44
722	Dominant Albumin-Surface Interactions under Independent Control of Surface Charge and Wettability. <i>Langmuir</i> , 2018 , 34, 1953-1966	3.9	12
721	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	4.2	34
720	Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. <i>ACS Symposium Series</i> , 2018 , 233-261	0.4	1
719	pH-Sensitive Zwitterionic Polymer as an Antimicrobial Agent with Effective Bacterial Targeting. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 40-46	5.3	31
718	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	5.5	17
717	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018 , 87, 165-196	28.9	123
716	Recent Developments in Controlled Release of Antibiotics. <i>Current Pharmaceutical Design</i> , 2018 , 24, 911-925	3.1	8

715	Transparent Copper-Loaded Chitosan/Silica Antibacterial Coatings with Long-Term Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29515-29525	9.4	17
714	Biomimetic Anchors for Antifouling Polymer Brush Coatings 2017 , 377-403		1
713	Antifouling and Antimicrobial Coatings from Zwitterionic and Cationic Binary Polymer Brushes Assembled via Click Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14479-14488	3.9	33
712	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	9.1	16
711	Surface modification strategies for combating catheter-related complications: recent advances and challenges. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2045-2067	7.1	73
710	Increasing bacterial affinity and cytocompatibility with four-arm star glycopolymers and antimicrobial polylysine. <i>Polymer Chemistry</i> , 2017 , 8, 3364-3373	4.8	51
709	Arginine-Based Polymer Brush Coatings with Hydrolysis-Triggered Switchable Functionalities from Antimicrobial (Cationic) to Antifouling (Zwitterionic). <i>Langmuir</i> , 2017 , 33, 6925-6936	3.9	17
708	Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3055-3062	8.2	24
707	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	9.4	28
706	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	5.7	34
705	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	9.4	65
704	Conjugation of Polyphosphoester and Antimicrobial Peptide for Enhanced Bactericidal Activity and Biocompatibility. <i>Biomacromolecules</i> , 2016 , 17, 4037-4044	6.7	36
703	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	8.2	31
702	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. <i>Pharmaceutical Research</i> , 2016 , 33, 1161-74	4.4	14
701	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	5.8	9
700	Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1890-1901	3.9	36
699	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	3.6	43
698	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, 103-15	4.9	22

697	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	6.6	18
696	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	10.5	101
695	Synthesis of catechol and zwitterion-bifunctionalized poly(ethylene glycol) for the construction of antifouling surfaces. <i>Polymer Chemistry</i> , 2016 , 7, 493-501	4.8	55
694	Biomimetic anchors applied to the host-guest antifouling functionalization of titanium substrates. <i>Journal of Colloid and Interface Science</i> , 2016 , 475, 8-16	9.1	12
693	Tailoring Soft Nanoparticles for Potential Application as Drug Carriers in Bladder Cancer Chemotherapy. <i>ACS Symposium Series</i> , 2016 , 167-195	0.4	1
692	PEG-based hydrogels prepared by catalyst-free thiol-yne addition and their post-antibacterial modification. <i>Biomaterials Science</i> , 2016 , 4, 1663-1672	7.2	31
691	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	3.9	29
690	Hairy Hybrid Nanorattles of Platinum Nanoclusters with Dual-Responsive Polymer Shells for Confined Nanocatalysis. <i>Macromolecules</i> , 2016 , 49, 5649-5659	5.4	19
689	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	3.8	10
688	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	3.9	16
687	Quaternized poly(2-(dimethylamino)ethyl methacrylate)-grafted agarose copolymers for multipurpose antibacterial applications. <i>RSC Advances</i> , 2015 , 5, 61742-61751	3.6	12
686	Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5959-5967	3.9	20
685	Characterization of Nanomaterials/Nanoparticles 2015 , 23-44		0
684	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	4.9	36
683	Antifouling and antibacterial hydrogel coatings with self-healing properties based on a dynamic disulfide exchange reaction. <i>Polymer Chemistry</i> , 2015 , 6, 7027-7035	4.8	104
682	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	2.5	6
681	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, 519-28	3.3	72
680	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	9.1	38

679	PEGylated Fluorescent Nanoparticles from One-Pot Atom Transfer Radical Polymerization and Click Chemistry <i>Polymers</i> , 2015 , 7, 2119-2130	4.4	3
678	Tea stains-inspired initiator primer for surface grafting of antifouling and antimicrobial polymer brush coatings. <i>Biomacromolecules</i> , 2015 , 16, 723-32	6.7	107
677	Polymer Surfaces: Grafting 2015 , 5839-5858		
676	CHAPTER 1:Organic Electronic Memory Devices. <i>RSC Polymer Chemistry Series</i> , 2015 , 1-53	0.6	3
675	Hairy fluorescent nanoparticles from one-pot click chemistry and atom transfer radical emulsion polymerization. <i>Polymer International</i> , 2014 , 63, 237-243	3.2	4
674	Resistance-Switchable Graphene Oxide Polymer Nanocomposites for Molecular Electronics. <i>ChemElectroChem</i> , 2014 , 1, 514-519	4.3	18
673	Effect of adhesive ligand on cell deadhesion kinetics on poly(N-isopropylacrylamide). <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 1433-45	0.9	
672	Enhanced endothelial differentiation of adipose-derived stem cells by substrate nanotopography. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014 , 8, 50-8	4.2	35
671	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, 2723-31	4.6	11
670	Resistance-Switchable Graphene Oxide Polymer Nanocomposites for Molecular Electronics. <i>ChemElectroChem</i> , 2014 , 1, 478-478	4.3	
669	Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014 , 39, 1017-1042	4.9	310
668	Functionalized and Functionalizable Fluoropolymer Membranes 2014 , 149-181		3
667	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	15.4	52
666	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. <i>Polymer Chemistry</i> , 2014 , 5, 2010-2017	4.8	31
665	Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. <i>RSC Advances</i> , 2014 , 4, 32335-32344	3.6	34
664	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	7.1	29
663	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	7	23
662	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	7.1	29

661	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	3.6	22
660	Functionalized mesoporous silica nanoparticles with mucoadhesive and sustained drug release properties for potential bladder cancer therapy. <i>Langmuir</i> , 2014 , 30, 6151-61	3.9	83
659	Catecholamine-Induced Electroless Metallization of Silver on Hybrid Nanospheres and Their Catalytic Applications. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3116-3124	3.9	23
658	Mechanistic insights into response of <i>Staphylococcus aureus</i> to bioelectric effect on polypyrrole/chitosan film. <i>Biomaterials</i> , 2014 , 35, 7690-8	15.2	27
657	Bacterial and osteoblast behavior on titanium, cobalt-chromium alloy and stainless steel treated with alkali and heat: a comparative study for potential orthopedic applications. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 410-9	9.1	31
656	One-pot reaction for the large-scale synthesis of hyperbranched polyglycerol-grafted Fe ₃ O ₄ nanoparticles. <i>Dalton Transactions</i> , 2013 , 42, 13642-8	4.2	7
655	An in vitro assessment of fibroblast and osteoblast response to alendronate-modified titanium and the potential for decreasing fibrous encapsulation. <i>Tissue Engineering - Part A</i> , 2013 , 19, 1919-30	3.7	18
654	Enhancing bioactivity of chitosan film for osteogenesis and wound healing by covalent immobilization of BMP-2 or FGF-2. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 645-62	3.4	29
653	Rhodamine derivative-modified filter papers for colorimetric and fluorescent detection of Hg ²⁺ in aqueous media. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2526	12.8	47
652	A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. <i>RSC Advances</i> , 2013 , 3, 25204	3.6	21
651	CO ₂ -triggered fluorescence turn-on response of perylene diimide-containing poly(N,N-dimethylaminoethyl methacrylate). <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1207-1212	12.8	42
650	Polyacrylamide hybrid nanogels for targeted cancer chemotherapy via co-delivery of gold nanoparticles and MTX. <i>Journal of Colloid and Interface Science</i> , 2013 , 412, 46-55	9.1	37
649	Assessment of stability of surface anchors for antibacterial coatings and immobilized growth factors on titanium. <i>Journal of Colloid and Interface Science</i> , 2013 , 406, 238-46	9.1	28
648	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013 , 4, 3105	4.8	83
647	Methotrexate-conjugated and hyperbranched polyglycerol-grafted Fe ₃ O ₄ magnetic nanoparticles for targeted anticancer effects. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 48, 111-20	4.9	53
646	Anti-adhesive and Antibacterial Polymer Brushes 2013 , 405-432		3
645	In situ synthesis and nonvolatile rewritable-memory effect of polyaniline-functionalized graphene oxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 6265-73	4.6	46
644	Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. <i>Polymer</i> , 2013 , 54, 2264-2271	3.8	24

- 643 Combined effects of direct current stimulation and immobilized BMP-2 for enhancement of osteogenesis. *Biotechnology and Bioengineering*, **2013**, 110, 1466-75 4.7 41
- 642 Barnacle cement as surface anchor for "clicking" of antifouling and antimicrobial polymer brushes on stainless steel. *Biomacromolecules*, **2013**, 14, 2041-51 6.7 86
- 641 Surface-functionalizable membranes of polycaprolactone-click-hyperbranched polyglycerol copolymers from combined atom transfer radical polymerization, ring-opening polymerization and click chemistry. *Journal of Materials Chemistry B*, **2013**, 1, 1304-1315 7.1 32
- 640 In vitro endothelialization of cobalt chromium alloys with micro/nanostructures using adipose-derived stem cells. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 1067-77 4.2 6
- 639 Reactive graphene oxide nanosheets: a versatile platform for the fabrication of graphene oxide-biomolecule/polymer nanohybrids. *Macromolecular Rapid Communications*, **2013**, 34, 234-8 4.6 22
- 638 Poly(vinylidene fluoride-co-hexafluoropropylene)-graft-poly(dopamine methacrylamide) copolymers: A nonlinear dielectric material for high energy density storage. *Applied Physics Letters*, **2013**, 103, 262904 3.3 26
- 637 Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for click functionalization. *Polymer Chemistry*, **2012**, 3, 920 4.8 50
- 636 Poly(vinylidene fluoride) Membranes with Hyperbranched Antifouling and Antibacterial Polymer Brushes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 15962-15973 3.9 41
- 635 Carboxymethyl Chitosan-Functionalized Magnetic Nanoparticles for Disruption of Biofilms of *Staphylococcus aureus* and *Escherichia coli*. *Industrial & Engineering Chemistry Research*, **2012**, 51, 13164-13172 3.9 24
- 634 Immobilization strategy for optimizing VEGF's concurrent bioactivity towards endothelial cells and osteoblasts on implant surfaces. *Biomaterials*, **2012**, 33, 8082-93 15.2 45
- 633 Preparation of jellyfish-shaped amphiphilic block-graft copolymers consisting of a poly(ϵ -caprolactone)-block-poly(pentafluorostyrene) ring and poly(ethylene glycol) lateral brushes. *Polymer Chemistry*, **2012**, 3, 1061 4.8 36
- 632 Fluorescent nanoparticles from self-assembly of β -cyclodextrin-functionalized fluorene copolymers for organic molecule sensing and cell labeling. *Polymer Chemistry*, **2012**, 3, 2444 4.8 18
- 631 Preparation of stimuli responsive polycaprolactone membranes of controllable porous morphology via combined atom transfer radical polymerization, ring-opening polymerization and thiol-ene click chemistry. *Journal of Materials Chemistry*, **2012**, 22, 16248 4.6
- 630 Surface modification of magnetic nanoparticles for stem cell labeling. *Soft Matter*, **2012**, 8, 2057-2069 3.5 40
- 629 PushPull archetype of reduced graphene oxide functionalized with polyfluorene for nonvolatile rewritable memory. *Journal of Polymer Science Part A*, **2012**, 50, 378-387 2.4 63
- 628 Affinity analysis of DNA aptamer-peptide interactions using gold nanoparticles. *Analytical Biochemistry*, **2012**, 421, 725-31 3 29
- 627 Designer tridentate mucin 1 aptamer for targeted drug delivery. *Journal of Pharmaceutical Sciences*, **2012**, 101, 1672-7 3.7 15
- 626 Preparation of fluorescent organometallic porphyrin complex nanogels of controlled molecular structure via reverse-emulsion click chemistry. *Macromolecular Rapid Communications*, **2012**, 33, 1523-7 4.6 22

625	Preparation of stimuli-responsive hydrogel networks with threaded Cyclodextrin end-capped chains via combination of controlled radical polymerization and click chemistry. <i>Soft Matter</i> , 2012 , 8, 5612	3.5	28
624	Electrical Bistability and WORM Memory Effects in Donor-Acceptor Polymers Based on Poly(N-vinylcarbazole). <i>ChemPlusChem</i> , 2012 , 77, 74-81	2.8	33
623	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , 2012 , 41, 4688-707	57.5	210
622	Hydroxyapatite-coated carboxymethyl chitosan scaffolds for promoting osteoblast and stem cell differentiation. <i>Journal of Colloid and Interface Science</i> , 2012 , 366, 224-232	9.1	78
621	Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012 , 33, 2813-22	15.2	256
620	Inhibition of Escherichia coli and Proteus mirabilis adhesion and biofilm formation on medical grade silicone surface. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 336-45	4.7	103
619	Resistive Polymer Memory Materials Containing Electron Donor and Acceptor Moieties. <i>Advanced Materials Research</i> , 2012 , 488-489, 3-7	0.5	
618	Functional polymer brushes via surface-initiated atom transfer radical graft polymerization for combating marine biofouling. <i>Biofouling</i> , 2012 , 28, 895-912	3.2	51
617	Polymeric nanoparticles with encapsulated superparamagnetic iron oxide and conjugated cisplatin for potential bladder cancer therapy. <i>Biomacromolecules</i> , 2012 , 13, 2513-20	6.7	67
616	Combined ATRP and 'click' chemistry for designing stable tumor-targeting superparamagnetic iron oxide nanoparticles. <i>Langmuir</i> , 2012 , 28, 563-71	3.9	40
615	Surface modification of silicone for biomedical applications requiring long-term antibacterial, antifouling, and hemocompatible properties. <i>Langmuir</i> , 2012 , 28, 16408-22	3.9	123
614	Layer-by-layer click deposition of functional polymer coatings for combating marine biofouling. <i>Biomacromolecules</i> , 2012 , 13, 2769-80	6.7	91
613	Synthesis and memory performance of a conjugated polymer with an integrated fluorene, carbazole and oxadiazole backbone. <i>Polymer Journal</i> , 2012 , 44, 257-263	2.7	8
612	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	0.4	2
611	A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. <i>Nature Materials</i> , 2011 , 10, 149-56	26.5	579
610	Synthesis and characterization of fluorescent perylene bisimide-containing glycopolymers for Escherichia coli conjugation and cell imaging. <i>Polymer</i> , 2011 , 52, 5764-5771	3.8	20
609	. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 835-842	2.7	14
608	Nonlinear optical properties and memory effects of the azo polymers carrying different substituents. <i>Dyes and Pigments</i> , 2011 , 88, 18-24	4.5	38

607	Multifunctional polyglycerol-grafted Fe ₃ O ₄ @SiO ₂ nanoparticles for targeting ovarian cancer cells. <i>Biomaterials</i> , 2011 , 32, 2166-73	15.2	90
606	Infiltrating P3HT polymer into ordered TiO ₂ nanotube arrays. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 658-663	1.6	7
605	Growing poly(N-vinylcarbazole) from the surface of graphene oxide via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2043-2050	2.4	67
604	PEGylated anti-MUC1 aptamer-doxorubicin complex for targeted drug delivery to MCF7 breast cancer cells. <i>Macromolecular Bioscience</i> , 2011 , 11, 1331-5	5.3	60
603	Reduction of graphene oxide by aniline with its concomitant oxidative polymerization. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 684-8	4.6	128
602	Flash-Memory Effect for Polyfluorenes with On-Chain Iridium(III) Complexes. <i>Advanced Functional Materials</i> , 2011 , 21, 979-985	15.4	99
601	Acid-Sensitive Magnetic Nanoparticles as Potential Drug Depots. <i>AIChE Journal</i> , 2011 , 57, 1638-1645	3.5	19
600	Surface functionalization of superparamagnetic nanoparticles for the development of highly efficient magnetic resonance probe for macrophages. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 298-307	3	6
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310	Plasma-induced graft polymerization of poly(ethylene glycol) methyl ether methacrylate on poly(tetrafluoroethylene) films for reduction in protein adsorption. <i>Surface and Coatings Technology</i> , 2002 , 149, 119-128	4.3	52
309	Characterization of fluoropolymer films deposited by magnetron sputtering of poly(tetrafluoroethylene) and plasma polymerization of heptadecafluoro-1-decene (HDFD) on (100)-oriented single-crystal silicon substrates. <i>Surface and Interface Analysis</i> , 2002 , 34, 10-18	1.5	16
308	In situ interfacial analysis of evaporated potassium on the electroluminescent fluorene/thiophene copolymer. <i>Surface and Interface Analysis</i> , 2002 , 33, 552-558	1.5	1
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306	Covalent attachment of polymer thin layers to self-assembled monolayers on gold surface by graft polymerization. <i>Thin Solid Films</i> , 2002 , 413, 76-84	2.1	5
305	Electroless plating of copper on polyimide films modified by surface grafting of tertiary and quaternary amines polymers. <i>Polymer</i> , 2002 , 43, 4137-4146	3.8	81
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297	Electroless Plating of Copper on Poly(tetrafluoroethylene) Films Modified by Surface Graft Copolymerization and Quaternization. <i>Journal of the Electrochemical Society</i> , 2002 , 149, C10	3.8	10
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293	Surface functionalization of low density polyethylene films with grafted poly(ethylene glycol) derivatives. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2951-2957		50
292	Surface Graft Copolymerization of Viologens on Polymeric Substrates. <i>Langmuir</i> , 2001 , 17, 1766-1772	3.9	17
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284	In situ XPS studies of thermally deposited potassium on poly(p-phenylene vinylene) and its ring-substituted derivatives. <i>Applied Surface Science</i> , 2001 , 181, 201-210	6.6	35

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