

# En Tang Kang

## List of Publications by Year in descending order

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749  
papers

42,236  
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2215

99  
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6300

158  
g-index

762  
all docs

762  
docs citations

762  
times ranked

34188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyaniline: A polymer with many interesting intrinsic redox states. <i>Progress in Polymer Science</i> , 1998, 23, 277-324.	24.7	1,392
2	Polymer electronic memories: Materials, devices and mechanisms. <i>Progress in Polymer Science</i> , 2008, 33, 917-978.	24.7	924
3	Dopamine-Induced Reduction and Functionalization of Graphene Oxide Nanosheets. <i>Macromolecules</i> , 2010, 43, 8336-8339.	4.8	719
4	A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. <i>Nature Materials</i> , 2011, 10, 149-156.	27.5	701
5	Polymer surface with graft chains. <i>Progress in Polymer Science</i> , 2003, 28, 209-259.	24.7	589
6	Surface functionalization of titanium with hyaluronic acid/chitosan polyelectrolyte multilayers and RGD for promoting osteoblast functions and inhibiting bacterial adhesion. <i>Biomaterials</i> , 2008, 29, 1412-1421.	11.4	431
7	Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014, 39, 1017-1042.	24.7	401
8	Conjugated Polymer-Functionalized Graphene Oxide: Synthesis and Nonvolatile Rewritable Memory Effect. <i>Advanced Materials</i> , 2010, 22, 1731-1735.	21.0	400
9	Bioactive surfaces and biomaterials via atom transfer radical polymerization. <i>Progress in Polymer Science</i> , 2009, 34, 719-761.	24.7	347
10	Antibacterial and mechanical properties of bone cement impregnated with chitosan nanoparticles. <i>Biomaterials</i> , 2006, 27, 2440-2449.	11.4	342
11	Synthesis and Dynamic Random Access Memory Behavior of a Functional Polyimide. <i>Journal of the American Chemical Society</i> , 2006, 128, 8732-8733.	13.7	301
12	Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012, 33, 2813-2822.	11.4	296
13	Surface modification and antibacterial activity of electrospun polyurethane fibrous membranes with quaternary ammonium moieties. <i>Journal of Membrane Science</i> , 2008, 320, 259-267.	8.2	286
14	Surface modification of plasma-pretreated poly(tetrafluoroethylene) films by graft copolymerization. <i>Macromolecules</i> , 1993, 26, 2832-2836.	4.8	276
15	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , 2012, 41, 4688.	38.1	257
16	Non-Volatile Polymer Memory Device Based on a Novel Copolymer of N-Vinylcarbazole and Eu-Complexed Vinylbenzoate. <i>Advanced Materials</i> , 2005, 17, 455-459.	21.0	247
17	Synthesis and Luminescence Properties of Novel Eu-Containing Copolymers Consisting of Eu(III)-Acrylate <sup>2-</sup> -Diketonate Complex Monomers and Methyl Methacrylate. <i>Chemistry of Materials</i> , 2000, 12, 2212-2218.	6.7	244
18	Surface Modification of Fluoropolymers via Molecular Design. <i>Advanced Materials</i> , 2000, 12, 1481-1494.	21.0	233

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19	X-ray photoelectron spectroscopy studies of the chemical structure of polyaniline. <i>Physical Review B</i> , 1989, 39, 8070-8073.	3.2	229
20	pH- and temperature-responsive hydrogels from crosslinked triblock copolymers prepared via consecutive atom transfer radical polymerizations. <i>Biomaterials</i> , 2006, 27, 2787-2797.	11.4	229
21	Plasma-induced immobilization of poly(ethylene glycol) onto poly(vinylidene fluoride) microporous membrane. <i>Journal of Membrane Science</i> , 2002, 195, 103-114.	8.2	227
22	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018, 87, 165-196.	24.7	225
23	Surface Modification and Functionalization of Polytetrafluoroethylene Films. <i>Macromolecules</i> , 1996, 29, 6872-6879.	4.8	214
24	Polymer memories: Bistable electrical switching and device performance. <i>Polymer</i> , 2007, 48, 5182-5201.	3.8	211
25	Cellular Response to Magnetic Nanoparticles $\alpha$ -PEGylated $\beta$ -via Surface-Initiated Atom Transfer Radical Polymerization. <i>Biomacromolecules</i> , 2006, 7, 809-816.	5.4	208
26	A Dynamic Random Access Memory Based on a Conjugated Copolymer Containing Electron-Donor and -Acceptor Moieties. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2947-2951.	13.8	201
27	Surface modification of stainless steel by grafting of poly(ethylene glycol) for reduction in protein adsorption. <i>Biomaterials</i> , 2001, 22, 1541-1548.	11.4	200
28	Antioxidant and antibacterial activities of eugenol and carvacrol $\alpha$ -grafted chitosan nanoparticles. <i>Biotechnology and Bioengineering</i> , 2009, 104, 30-39.	3.3	198
29	Lysozyme-Coupled Poly(poly(ethylene glycol) methacrylate) $\beta$ -Stainless Steel Hybrids and Their Antifouling and Antibacterial Surfaces. <i>Langmuir</i> , 2011, 27, 2761-2774.	3.5	197
30	Silk-functionalized titanium surfaces for enhancing osteoblast functions and reducing bacterial adhesion. <i>Biomaterials</i> , 2008, 29, 4751-4759.	11.4	193
31	Covalent Immobilization of Glucose Oxidase on Well-Defined Poly(glycidyl methacrylate) $\beta$ -Si(111) Hybrids from Surface-Initiated Atom-Transfer Radical Polymerization. <i>Biomacromolecules</i> , 2005, 6, 1012-1020.	5.4	189
32	Star-Shaped Cationic Polymers by Atom Transfer Radical Polymerization from $\beta$ -Cyclodextrin Cores for Nonviral Gene Delivery. <i>Biomacromolecules</i> , 2009, 10, 285-293.	5.4	189
33	Surface Functionalization Technique for Conferring Antibacterial Properties to Polymeric and Cellulosic Surfaces. <i>Langmuir</i> , 2003, 19, 10295-10303.	3.5	186
34	A Family of Electroluminescent Silyl-Substituted Poly(p-phenylenevinylene)s: $\beta$ Synthesis, Characterization, and Structure $\beta$ Property Relationships. <i>Macromolecules</i> , 2000, 33, 9015-9025.	4.8	184
35	Biomimetic Anchors for Antifouling and Antibacterial Polymer Brushes on Stainless Steel. <i>Langmuir</i> , 2011, 27, 7065-7076.	3.5	184
36	Surface-Active and Stimuli-Responsive Polymer $\beta$ -Si(100) Hybrids from Surface-Initiated Atom Transfer Radical Polymerization for Control of Cell Adhesion. <i>Biomacromolecules</i> , 2004, 5, 2392-2403.	5.4	180

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37	Electrical Conductance Tuning and Bistable Switching in Poly( <i>N</i> -vinylcarbazole)/Carbon Nanotube Composite Films. <i>ACS Nano</i> , 2009, 3, 1929-1937.	14.6	180
38	Hollow polymeric nanostructures—Synthesis, morphology and function. <i>Progress in Polymer Science</i> , 2011, 36, 127-167.	24.7	175
39	Nonvolatile Polymer Memory Device Based on Bistable Electrical Switching in a Thin Film of Poly( <i>N</i> -vinylcarbazole) with Covalently Bonded C60. <i>Langmuir</i> , 2007, 23, 312-319.	3.5	172
40	Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011, 53, 2738-2747.	6.6	171
41	Antimicrobial Copper-Based Materials and Coatings: Potential Multifaceted Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21159-21182.	8.0	160
42	Synthesis and Characterization of Poly(acrylic acid)-graft-poly(vinylidene fluoride) Copolymers and pH-Sensitive Membranes. <i>Macromolecules</i> , 2002, 35, 673-679.	4.8	158
43	X-ray photoelectron spectroscopic studies of polypyrrole synthesized with oxidative iron(III) salts. <i>Macromolecules</i> , 1991, 24, 2822-2828.	4.8	157
44	An in vitro assessment of titanium functionalized with polysaccharides conjugated with vascular endothelial growth factor for enhanced osseointegration and inhibition of bacterial adhesion. <i>Biomaterials</i> , 2010, 31, 8854-8863.	11.4	157
45	Surface Functionalization of Titanium with Carboxymethyl Chitosan and Immobilized Bone Morphogenetic Protein-2 for Enhanced Osseointegration. <i>Biomacromolecules</i> , 2009, 10, 1603-1611.	5.4	155
46	Synthesis and in vitro anti-cancer evaluation of tamoxifen-loaded magnetite/PLLA composite nanoparticles. <i>Biomaterials</i> , 2006, 27, 5725-5733.	11.4	150
47	Solvent-free atom transfer radical polymerization for the preparation of poly(poly(ethyleneglycol)) Tj ETQq1 1 0.784314 rgBT /Overlook Biomaterials, 2007, 28, 5426-5436.	11.4	146
48	Synthesis and functionalization of polypyrrole-Fe <sub>3</sub> O <sub>4</sub> nanoparticles for applications in biomedicine. <i>Journal of Materials Chemistry</i> , 2007, 17, 3354.	6.7	145
49	Pseudo-Block Copolymer Based on Star-Shaped Poly( <i>N</i> -isopropylacrylamide) with a $\beta$ -Cyclodextrin Core and Guest-Bearing PEG: Controlling Thermoresponsivity through Supramolecular Self-Assembly. <i>Macromolecules</i> , 2008, 41, 5967-5970.	4.8	145
50	Biocompatibility of electroactive polymers in tissues. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 467-478.	3.1	143
51	Immobilization of chitosan onto poly-L-lactic acid film surface by plasma graft polymerization to control the morphology of fibroblast and liver cells. <i>Biomaterials</i> , 2004, 25, 1059-1067.	11.4	143
52	Polyaniline treated with organic acids: doping characteristics and stability. <i>Synthetic Metals</i> , 1995, 73, 209-215.	3.9	142
53	Polymer Microspheres with Permanent Antibacterial Surface from Surface-Initiated Atom Transfer Radical Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 7098-7104.	3.7	140
54	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.	8.3	140

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55	Immobilization of Galactose Ligands on Acrylic Acid Graft-Copolymerized Poly(ethylene terephthalate) Film and Its Application to Hepatocyte Culture. <i>Biomacromolecules</i> , 2003, 4, 157-165.	5.4	139
56	Surface Modification of Silicone for Biomedical Applications Requiring Long-Term Antibacterial, Antifouling, and Hemocompatible Properties. <i>Langmuir</i> , 2012, 28, 16408-16422.	3.5	139
57	Covalent immobilization of glucose oxidase on microporous membranes prepared from poly(vinylidene fluoride) with grafted poly(acrylic acid) side chains. <i>Journal of Membrane Science</i> , 2002, 208, 361-374.	8.2	138
58	Reduction of Graphene Oxide by Aniline with Its Concomitant Oxidative Polymerization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 684-688.	3.9	135
59	X-ray photoelectron spectroscopic studies of electroactive polymers. , 1993, , 135-190.		134
60	Functionalization of Nylon Membranes via Surface-Initiated Atom-Transfer Radical Polymerization. <i>Langmuir</i> , 2007, 23, 8585-8592.	3.5	134
61	Organo- and Water-Dispersible Graphene Oxide~Polymer Nanosheets for Organic Electronic Memory and Gold Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12742-12748.	3.1	131
62	Inhibition of escherichia coli and proteus mirabilis adhesion and biofilm formation on medical grade silicone surface. <i>Biotechnology and Bioengineering</i> , 2012, 109, 336-345.	3.3	131
63	Antifouling and antibacterial hydrogel coatings with self-healing properties based on a dynamic disulfide exchange reaction. <i>Polymer Chemistry</i> , 2015, 6, 7027-7035.	3.9	131
64	Structural studies of poly(p-phenyleneamine) and its oxidation. <i>Macromolecules</i> , 1990, 23, 2918-2926.	4.8	129
65	Pentablock copolymers of poly(ethylene glycol), poly((2-dimethyl amino)ethyl methacrylate) and poly(2-hydroxyethyl methacrylate) from consecutive atom transfer radical polymerizations for non-viral gene delivery. <i>Biomaterials</i> , 2008, 29, 3023-3033.	11.4	129
66	Volatile Electrical Switching and Static Random Access Memory Effect in a Functional Polyimide Containing Oxadiazole Moieties. <i>Chemistry of Materials</i> , 2009, 21, 3391-3399.	6.7	129
67	Heparin-Coupled Poly(poly(ethylene glycol) monomethacrylate)-Si(111) Hybrids and Their Blood Compatible Surfaces. <i>Biomacromolecules</i> , 2005, 6, 1759-1768.	5.4	127
68	Conductivity Switching and Electronic Memory Effect in Polymers with Pendant Azobenzene Chromophores. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 60-71.	8.0	126
69	Conformation-Induced Electrical Bistability in Non-conjugated Polymers with Pendant Carbazole Moieties. <i>Chemistry of Materials</i> , 2007, 19, 5148-5157.	6.7	125
70	Bacterial adhesion and osteoblast function on titanium with surface~grafted chitosan and immobilized RGD peptide. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 865-872.	4.0	125
71	Superparamagnetic Hyperbranched Polyglycerol~Grafted Fe<sub>3</sub>O<sub>4</sub> Nanoparticles as a Novel Magnetic Resonance Imaging Contrast Agent: An In Vitro Assessment. <i>Advanced Functional Materials</i> , 2009, 19, 2615-2622.	14.9	125
72	Glucose Biosensor from Covalent Immobilization of Chitosan-Coupled Carbon Nanotubes on Polyaniline-Modified Gold Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 3083-3091.	8.0	125

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73	Poly(vinylidene fluoride) with Grafted Poly(ethylene glycol) Side Chains via the RAFT-Mediated Process and Pore Size Control of the Copolymer Membranes. <i>Macromolecules</i> , 2003, 36, 9451-9457.	4.8	123
74	Preparation of Nanosized Metallic Particles in Polyaniline. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 78-86.	9.4	122
75	Tea Stains-Inspired Initiator Primer for Surface Grafting of Antifouling and Antimicrobial Polymer Brush Coatings. <i>Biomacromolecules</i> , 2015, 16, 723-732.	5.4	122
76	Synthesis, characterization and anti-fouling properties of poly(ethylene glycol) grafted poly(vinylidene fluoride) copolymer membranes. <i>Journal of Materials Chemistry</i> , 2001, 11, 783-789.	6.7	120
77	Controlled Grafting of Well-Defined Polymers on Hydrogen-Terminated Silicon Substrates by Surface-Initiated Atom Transfer Radical Polymerization. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10198-10205.	2.6	119
78	Comparative study of chemically synthesized and plasma polymerized pyrrole and thiophene thin films. <i>Thin Solid Films</i> , 2004, 446, 205-217.	1.8	118
79	Controlled release of heparin from polypyrrole-poly(vinyl alcohol) assembly by electrical stimulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 73A, 171-181.	4.0	118
80	Bistable electrical switching and electronic memory effect in a solution-processable graphene oxide-donor polymer complex. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	118
81	pH-Responsive Hollow Polymeric Microspheres and Concentric Hollow Silica Microspheres from Silica-Polymer Core-Shell Microspheres. <i>Langmuir</i> , 2008, 24, 9050-9055.	3.5	117
82	A flexible polymer memory device. <i>Organic Electronics</i> , 2007, 8, 401-406.	2.6	116
83	Surface Modification of Poly(tetrafluoroethylene) Films by Graft Copolymerization for Adhesion Improvement with Evaporated Copper. <i>Macromolecules</i> , 1999, 32, 186-193.	4.8	115
84	Comb-Shaped Copolymers Composed of Hydroxypropyl Cellulose Backbones and Cationic Poly((2-dimethyl amino)ethyl methacrylate) Side Chains for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2009, 20, 1449-1458.	3.6	114
85	Nanoporous Ultra-Low- $\kappa$ Films Prepared from Fluorinated Polyimide with Grafted Poly(acrylic acid) Side Chains. <i>Advanced Materials</i> , 2004, 16, 54-57.	21.0	113
86	Flash-Memory Effect for Polyfluorenes with On-Chain Iridium( $\text{sc}^{\text{III}}$ ) Complexes. <i>Advanced Functional Materials</i> , 2011, 21, 979-985.	14.9	113
87	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1-Functionalized Poly(vinylcarbazole) Film via Solution-Phase Self-Assembly. <i>Advanced Functional Materials</i> , 2010, 20, 2916-2922.	14.9	112
88	Study of overoxidized polypyrrole using X-ray photoelectron spectroscopy. <i>Polymer</i> , 1994, 35, 504-508.	3.8	111
89	Nonvolatile Electrical Switching and Write-Once Read-Many-Times Memory Effects in Functional Polyimides Containing Triphenylamine and 1,3,4-Oxadiazole Moieties. <i>Macromolecules</i> , 2010, 43, 7159-7164.	4.8	111
90	Biodegradable magnetic-fluorescent magnetite/poly(dl-lactic acid-co-l,2-malic acid) composite nanoparticles for stem cell labeling. <i>Biomaterials</i> , 2010, 31, 3502-3511.	11.4	110

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91	Functional and Surface-Active Membranes from Poly(vinylidene fluoride)-graft-Poly(acrylic acid) Prepared via RAFT-Mediated Graft Copolymerization. <i>Langmuir</i> , 2004, 20, 6032-6040.	3.5	109
92	Surface modification strategies for combating catheter-related complications: recent advances and challenges. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2045-2067.	5.8	108
93	Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. <i>Biomacromolecules</i> , 2018, 19, 2156-2165.	5.4	108
94	Antibacterial effect of surface-functionalized polypropylene hollow fiber membrane from surface-initiated atom transfer radical polymerization. <i>Journal of Membrane Science</i> , 2008, 319, 149-157.	8.2	107
95	In-vivo tissue response to polyaniline. <i>Synthetic Metals</i> , 1999, 102, 1313-1314.	3.9	106
96	Non-volatile WORM memory device based on an acrylate polymer with electron donating carbazole pendant groups. <i>Organic Electronics</i> , 2006, 7, 173-180.	2.6	106
97	Assessment of in Vitro Bioactivity of Hyaluronic Acid and Sulfated Hyaluronic Acid Functionalized Electroactive Polymer. <i>Biomacromolecules</i> , 2004, 5, 2238-2246.	5.4	105
98	Nanoporous Ultra-Low-Dielectric-Constant Fluoropolymer Films via Selective UV Decomposition of Poly(pentafluorostyrene)-block-Poly(methyl methacrylate) Copolymers Prepared Using Atom Transfer Radical Polymerization. <i>Advanced Functional Materials</i> , 2005, 15, 315-322.	14.9	104
99	Triphenylamine-Fluorene Alternating Conjugated Copolymers with Pendant Acceptor Groups: Synthesis, Structure-Property Relationship, and Photovoltaic Application. <i>Macromolecules</i> , 2009, 42, 3104-3111.	4.8	103
100	Synthesis and Characterization of Poly(N-isopropylacrylamide)-graft-Poly(vinylidene fluoride) Copolymers and Temperature-Sensitive Membranes. <i>Langmuir</i> , 2002, 18, 6416-6423.	3.5	101
101	Functionalized Mesoporous Silica Nanoparticles with Mucoadhesive and Sustained Drug Release Properties for Potential Bladder Cancer Therapy. <i>Langmuir</i> , 2014, 30, 6151-6161.	3.5	101
102	(Carboxymethyl)chitosan-Modified Superparamagnetic Iron Oxide Nanoparticles for Magnetic Resonance Imaging of Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 328-335.	8.0	100
103	Multifunctional polyglycerol-grafted Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles for targeting ovarian cancer cells. <i>Biomaterials</i> , 2011, 32, 2166-2173.	11.4	100
104	Flexible Smart Window via Surface Graft Copolymerization of Viologen on Polyethylene. <i>Advanced Materials</i> , 2000, 12, 1536-1539.	21.0	99
105	Surface-Grafted Viologen for Precipitation of Silver Nanoparticles and Their Combined Bactericidal Activities. <i>Langmuir</i> , 2004, 20, 6847-6852.	3.5	99
106	Stimuli-Responsive Multifunctional Membranes of Controllable Morphology from Poly(vinylidene) Transfer Radical Polymerization. <i>Langmuir</i> , 2008, 24, 14151-14158.	3.5	99
107	Alternating Silica/Polymer Multilayer Hybrid Microspheres Templates for Double-shelled Polymer and Inorganic Hollow Microstructures. <i>Chemistry of Materials</i> , 2010, 22, 1309-1317.	6.7	99
108	Combating Bacterial Colonization on Metals via Polymer Coatings: Relevance to Marine and Medical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2808-2819.	8.0	99

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109	Alternating Copolymers of Carbazole and Triphenylamine with Conjugated Side Chain Attaching Acceptor Groups: Synthesis and Photovoltaic Application. <i>Macromolecules</i> , 2010, 43, 9376-9383.	4.8	98
110	Layer-by-Layer Click Deposition of Functional Polymer Coatings for Combating Marine Biofouling. <i>Biomacromolecules</i> , 2012, 13, 2769-2780.	5.4	98
111	Hydroxyapatite-coated carboxymethyl chitosan scaffolds for promoting osteoblast and stem cell differentiation. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 224-232.	9.4	97
112	Covalent immobilization of glucose oxidase on the surface of polyaniline films graft copolymerized with acrylic acid. <i>Biomaterials</i> , 1998, 19, 45-53.	11.4	96
113	The chemical nature of the nitrogens in polypyrrole and polyaniline: A comparative study by x-ray photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1991, 94, 5382-5388.	3.0	95
114	Titanium with Surface-Grafted Dextran and Immobilized Bone Morphogenetic Protein-2 for Inhibition of Bacterial Adhesion and Enhancement of Osteoblast Functions. <i>Tissue Engineering - Part A</i> , 2009, 15, 417-426.	3.1	95
115	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013, 4, 3105.	3.9	95
116	Structural study of polyaniline films in reprotonation/deprotonation cycles. <i>The Journal of Physical Chemistry</i> , 1991, 95, 10151-10156.	2.9	94
117	Antibacterial activity of polymeric substrate with surface grafted viologen moieties. <i>Biomaterials</i> , 2005, 26, 501-508.	11.4	94
118	Barnacle Cement as Surface Anchor for "Clicking" of Antifouling and Antimicrobial Polymer Brushes on Stainless Steel. <i>Biomacromolecules</i> , 2013, 14, 2041-2051.	5.4	94
119	In Vivo Anti-Biofilm and Anti-Bacterial Non-Leachable Coating Thermally Polymerized on Cylindrical Catheter. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36269-36280.	8.0	93
120	Electroactive polymer-SiO <sub>2</sub> nanocomposites for metal uptake. <i>Polymer</i> , 1999, 40, 887-893.	3.8	92
121	Characterization of membranes prepared from blends of poly(acrylic acid)-graft-poly(vinylidene fluoride) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Journal of Membrane Science</i> , 2003, 224, 93-106.	8.2	90
122	Poly(vinylidene fluoride) with Grafted Zwitterionic Polymer Side Chains for Electrolyte-Responsive Microfiltration Membranes. <i>Langmuir</i> , 2003, 19, 7030-7037.	3.5	90
123	Preparation of Polymer-Silicon(100) Hybrids via Interface-Initiated Reversible Addition-Fragmentation Chain-Transfer (RAFT) Polymerization. <i>Macromolecules</i> , 2006, 39, 5577-5582.	4.8	90
124	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.	3.4	90
125	Surface modifications of polyaniline films by graft copolymerization. <i>Macromolecules</i> , 1992, 25, 1959-1965.	4.8	89
126	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	89

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127	Antibacterial activity of cloth functionalized with N-alkylated poly(4-vinylpyridine). Journal of Biomedical Materials Research Part B, 2004, 71A, 70-80.	3.1	89
128	Controlled Grafting of Comb Copolymer Brushes on Poly(tetrafluoroethylene) Films by Surface-Initiated Living Radical Polymerizations. Langmuir, 2005, 21, 450-456.	3.5	89
129	Micellization and phase transition behavior of thermosensitive poly(N-isopropylacrylamide)- <i>b</i> -poly( $\epsilon$ -caprolactone)- <i>b</i> -poly(N-isopropylacrylamide) triblock copolymers. Polymer, 2008, 49, 5084-5094.	3.8	89
130	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. Polymer, 2011, 52, 2376-2383.	3.8	89
131	Covalent immobilization of invertase onto the surface-modified polyaniline from graft copolymerization with acrylic acid. European Polymer Journal, 2000, 36, 2095-2103.	5.4	88
132	Improvement in the hole collection of polymer solar cells by utilizing gold nanoparticle buffer layer. Chemical Physics Letters, 2008, 453, 73-76.	2.6	88
133	Poly(N-vinylcarbazole) chemically modified graphene oxide. Journal of Polymer Science Part A, 2010, 48, 2642-2649.	2.3	88
134	The intrinsic redox states in polypyrrole and polyaniline: A comparative study by XPS. Surface and Interface Analysis, 1992, 19, 33-37.	1.8	87
135	Surface Graft Copolymerization of Poly(tetrafluoroethylene) Films with N-Containing Vinyl Monomers for the Electroless Plating of Copper. Langmuir, 2001, 17, 211-218.	3.5	87
136	Drug permeation through temperature-sensitive membranes prepared from poly(vinylidene fluoride) with grafted poly(N-isopropylacrylamide) chains. Journal of Membrane Science, 2004, 243, 253-262.	8.2	87
137	Palladium-containing polyaniline and polypyrrole microparticles. Journal of Materials Chemistry, 1998, 8, 1743-1748.	6.7	84
138	Brush-Type Amphiphilic Diblock Copolymers from $\alpha$ -Living/Controlled Radical Polymerizations and Their Aggregation Behavior. Langmuir, 2005, 21, 7180-7185.	3.5	83
139	Functionalization of inorganic nanoparticles with polymers for stealth biomedical applications. Polymer Chemistry, 2011, 2, 747-759.	3.9	83
140	Smart Nanofibers with a Photoresponsive Surface for Controlled Release. ACS Applied Materials & Interfaces, 2009, 1, 2424-2427.	8.0	82
141	Bistable electrical switching and write-once read-many-times memory effect in a donor-acceptor containing polyfluorene derivative and its carbon nanotube composites. Journal of Applied Physics, 2007, 102, 024502.	2.5	81
142	Electrical conductivity switching and memory effects in poly(N-vinylcarbazole) derivatives with pendant azobenzene chromophores and terminal electron acceptor moieties. Journal of Materials Chemistry, 2011, 21, 6027.	6.7	81
143	Oxidation~Reduction Interactions between Electroactive Polymer Thin Films and Au(III) Ions in Acid Solutions. Chemistry of Materials, 1997, 9, 2906-2912.	6.7	80
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