

Koon Gee Neoh

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635
papers

33,568
citations

92
h-index

143
g-index

647
ext. papers

35,476
ext. citations

5.8
avg, IF

7.28
L-index

#	Paper	IF	Citations
635	Polyaniline: A polymer with many interesting intrinsic redox states. <i>Progress in Polymer Science</i> , 1998 , 23, 277-324	29.6	1264
634	Polymer electronic memories: Materials, devices and mechanisms. <i>Progress in Polymer Science</i> , 2008 , 33, 917-978	29.6	860
633	Dopamine-Induced Reduction and Functionalization of Graphene Oxide Nanosheets. <i>Macromolecules</i> , 2010 , 43, 8336-8339	5.5	652
632	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, 1412-21	15.6	396
631	Conjugated-polymer-functionalized graphene oxide: synthesis and nonvolatile rewritable memory effect. <i>Advanced Materials</i> , 2010 , 22, 1731-5	24	359
630	Bioactive surfaces and biomaterials via atom transfer radical polymerization. <i>Progress in Polymer Science</i> , 2009 , 34, 719-761	29.6	327
629	Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014 , 39, 1017-1042	29.6	316
628	Antibacterial and mechanical properties of bone cement impregnated with chitosan nanoparticles. <i>Biomaterials</i> , 2006 , 27, 2440-9	15.6	304
627	Synthesis and dynamic random access memory behavior of a functional polyimide. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8732-3	16.4	289
626	Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012 , 33, 2813-22	15.6	266
625	Surface modification of plasma-pretreated poly(tetrafluoroethylene) films by graft copolymerization. <i>Macromolecules</i> , 1993 , 26, 2832-2836	5.5	259
624	Surface modification and antibacterial activity of electrospun polyurethane fibrous membranes with quaternary ammonium moieties. <i>Journal of Membrane Science</i> , 2008 , 320, 259-267	9.6	257
623	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	24	237
622	pH- and temperature-responsive hydrogels from crosslinked triblock copolymers prepared via consecutive atom transfer radical polymerizations. <i>Biomaterials</i> , 2006 , 27, 2787-97	15.6	216
621	X-ray photoelectron spectroscopy studies of the chemical structure of polyaniline. <i>Physical Review B</i> , 1989 , 39, 8070-8073	3.3	211
620	Plasma-induced immobilization of poly(ethylene glycol) onto poly(vinylidene fluoride) microporous membrane. <i>Journal of Membrane Science</i> , 2002 , 195, 103-114	9.6	208
619	Cellular response to magnetic nanoparticles "PEGylated" via surface-initiated atom transfer radical polymerization. <i>Biomacromolecules</i> , 2006 , 7, 809-16	6.9	199

618	Polymer memories: Bistable electrical switching and device performance. <i>Polymer</i> , 2007 , 48, 5182-5201	3.9	195
617	The effect of VEGF functionalization of titanium on endothelial cells in vitro. <i>Biomaterials</i> , 2010 , 31, 1578-85	3.5	190
616	Surface modification of stainless steel by grafting of poly(ethylene glycol) for reduction in protein adsorption. <i>Biomaterials</i> , 2001 , 22, 1541-8	15.6	190
615	A dynamic random access memory based on a conjugated copolymer containing electron-donor and -acceptor moieties. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2947-51	16.4	187
614	Covalent immobilization of glucose oxidase on well-defined poly(glycidyl methacrylate)-Si(111) hybrids from surface-initiated atom-transfer radical polymerization. <i>Biomacromolecules</i> , 2005 , 6, 1012-20	6.9	181
613	Lysozyme-coupled poly(poly(ethylene glycol) methacrylate)-stainless steel hybrids and their antifouling and antibacterial surfaces. <i>Langmuir</i> , 2011 , 27, 2761-74	4	179
612	Star-shaped cationic polymers by atom transfer radical polymerization from beta-cyclodextrin cores for nonviral gene delivery. <i>Biomacromolecules</i> , 2009 , 10, 285-93	6.9	177
611	Nanoparticulates for antibiofilm treatment and effect of aging on its antibacterial activity. <i>Journal of Endodontics</i> , 2010 , 36, 1030-5	4.7	176
610	Surface-active and stimuli-responsive polymer-Si(100) hybrids from surface-initiated atom transfer radical polymerization for control of cell adhesion. <i>Biomacromolecules</i> , 2004 , 5, 2392-403	6.9	175
609	Surface Functionalization Technique for Conferring Antibacterial Properties to Polymeric and Cellulosic Surfaces. <i>Langmuir</i> , 2003 , 19, 10295-10303	4	175
608	Silk-functionalized titanium surfaces for enhancing osteoblast functions and reducing bacterial adhesion. <i>Biomaterials</i> , 2008 , 29, 4751-9	15.6	174
607	An investigation on the antibacterial and antibiofilm efficacy of cationic nanoparticulates for root canal disinfection. <i>Journal of Endodontics</i> , 2008 , 34, 1515-20	4.7	173
606	Antioxidant and antibacterial activities of eugenol and carvacrol-grafted chitosan nanoparticles. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 30-9	4.9	169
605	Biomimetic anchors for antifouling and antibacterial polymer brushes on stainless steel. <i>Langmuir</i> , 2011 , 27, 7065-76	4	167
604	Electrical Conductance Tuning and Bistable Switching in Poly(N-vinylcarbazole)-Carbon Nanotube Composite Films. <i>ACS Nano</i> , 2009 , 3, 1929-37	16.7	163
603	Hollow polymeric nanostructures: synthesis, morphology and function. <i>Progress in Polymer Science</i> , 2011 , 36, 127-167	29.6	162
602	Nonvolatile polymer memory device based on bistable electrical switching in a thin film of poly(N-vinylcarbazole) with covalently bonded C60. <i>Langmuir</i> , 2007 , 23, 312-9	4	156
601	Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011 , 53, 2738-2747	6.8	148

600	Polydopamine Nanoparticles Enhance Drug Release for Combined Photodynamic and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21125-21136	9.5	147
599	Surface functionalization of titanium with carboxymethyl chitosan and immobilized bone morphogenetic protein-2 for enhanced osseointegration. <i>Biomacromolecules</i> , 2009 , 10, 1603-11	6.9	144
598	Synthesis and Characterization of Poly(acrylic acid)-graft-poly(vinylidene fluoride) Copolymers and pH-Sensitive Membranes. <i>Macromolecules</i> , 2002 , 35, 673-679	5.5	143
597	Solvent-free atom transfer radical polymerization for the preparation of poly(poly(ethyleneglycol) monomethacrylate)-grafted Fe ₃ O ₄ nanoparticles: synthesis, characterization and cellular uptake. <i>Biomaterials</i> , 2007 , 28, 5426-36	15.6	139
596	Synthesis and functionalization of polypyrrole-Fe ₃ O ₄ nanoparticles for applications in biomedicine. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3354		139
595	Pseudo-Block Copolymer Based on Star-Shaped Poly(N-isopropylacrylamide) with a β -Cyclodextrin Core and Guest-Bearing PEG: Controlling Thermoresponsivity through Supramolecular Self-Assembly. <i>Macromolecules</i> , 2008 , 41, 5967-5970	5.5	138
594	Synthesis and in vitro anti-cancer evaluation of tamoxifen-loaded magnetite/PLLA composite nanoparticles. <i>Biomaterials</i> , 2006 , 27, 5725-33	15.6	138
593	X-ray photoelectron spectroscopic studies of polypyrrole synthesized with oxidative iron(III) salts. <i>Macromolecules</i> , 1991 , 24, 2822-2828	5.5	134
592	Functionalization of nylon membranes via surface-initiated atom-transfer radical polymerization. <i>Langmuir</i> , 2007 , 23, 8585-92	4	133
591	Immobilization of galactose ligands on acrylic acid graft-copolymerized poly(ethylene terephthalate) film and its application to hepatocyte culture. <i>Biomacromolecules</i> , 2003 , 4, 157-65	6.9	133
590	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, 8854-63	15.6	132
589	Reduction of graphene oxide by aniline with its concomitant oxidative polymerization. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 684-8	4.8	129
588	Polyaniline treated with organic acids: doping characteristics and stability. <i>Synthetic Metals</i> , 1995 , 73, 209-215	3.6	129
587	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018 , 87, 165-196	29.6	129
586	Surface modification of silicone for biomedical applications requiring long-term antibacterial, antifouling, and hemocompatible properties. <i>Langmuir</i> , 2012 , 28, 16408-22	4	127
585	Effect of oxidation on the physical structure of soot. <i>Proceedings of the Combustion Institute</i> , 1985 , 20, 951-957		127
584	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, 3023-33	15.6	126
583	Polymer Microspheres with Permanent Antibacterial Surface from Surface-Initiated Atom Transfer Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7098-7104	3.9	126

582	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	9.6	126
581	Heparin-coupled poly(poly(ethylene glycol) monomethacrylate)-Si(111) hybrids and their blood compatible surfaces. <i>Biomacromolecules</i> , 2005 , 6, 1759-68	6.9	123
580	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	9.6	121
579	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	3.8	120
578	Conductivity switching and electronic memory effect in polymers with pendant azobenzene chromophores. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 60-71	9.5	119
577	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 , 86, 865-72	5.4	117
576	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	5.5	117
575	Structural studies of poly(p-phenyleneamine) and its oxidation. <i>Macromolecules</i> , 1990 , 23, 2918-2926	5.5	115
574	Conformation-Induced Electrical Bistability in Non-conjugated Polymers with Pendant Carbazole Moieties. <i>Chemistry of Materials</i> , 2007 , 19, 5148-5157	9.6	114
573	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 ¹¹⁴	3.4	114
572	Superparamagnetic Hyperbranched Polyglycerol-Grafted Fe ₃ O ₄ Nanoparticles as a Novel Magnetic Resonance Imaging Contrast Agent: An In Vitro Assessment. <i>Advanced Functional Materials</i> , 2009 , 19, 2615-2622	15.6	113
571	Preparation of Nanosized Metallic Particles in Polyaniline. <i>Journal of Colloid and Interface Science</i> , 2001 , 239, 78-86	9.3	113
570	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		112
569	Glucose biosensor from covalent immobilization of chitosan-coupled carbon nanotubes on polyaniline-modified gold electrode. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3083-91	9.5	110
568	Tea stains-inspired initiator primer for surface grafting of antifouling and antimicrobial polymer brush coatings. <i>Biomacromolecules</i> , 2015 , 16, 723-32	6.9	109
567	Controlled release of heparin from polypyrrole-poly(vinyl alcohol) assembly by electrical stimulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 73, 171-81	5.4	109
566	pH-Responsive hollow polymeric microspheres and concentric hollow silica microspheres from silica-polymer core-shell microspheres. <i>Langmuir</i> , 2008 , 24, 9050-5	4	108
565	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	4.9	107

564	Surface Modification of Poly(tetrafluoroethylene) Films by Graft Copolymerization for Adhesion Improvement with Evaporated Copper. <i>Macromolecules</i> , 1999 , 32, 186-193	5.5	107
563	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	5.5	106
562	Bistable electrical switching and electronic memory effect in a solution-processable graphene oxide-donor polymer complex. <i>Applied Physics Letters</i> , 2009 , 95, 253301	3.4	106
561	Comparative study of chemically synthesized and plasma polymerized pyrrole and thiophene thin films. <i>Thin Solid Films</i> , 2004 , 446, 205-217	2.2	106
560	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, 1449-58	6.3	105
559	A flexible polymer memory device. <i>Organic Electronics</i> , 2007 , 8, 401-406	3.5	105
558	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	10.8	104
557	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	9.6	103
556	Nanoporous Ultra-Low- κ Films Prepared from Fluorinated Polyimide with Grafted Poly(acrylic acid) Side Chains. <i>Advanced Materials</i> , 2004 , 16, 54-57	24	103
555	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1-Functionalized Poly (N-vinylcarbazole) Film via Solution-Phase Self-Assembly. <i>Advanced Functional Materials</i> , 2010 , 20, 2916-2922	15.6	102
554	Functional and surface-active membranes from poly(vinylidene fluoride)-graft-poly(acrylic acid) prepared via RAFT-mediated graft copolymerization. <i>Langmuir</i> , 2004 , 20, 6032-40	4	102
553	Biodegradable magnetic-fluorescent magnetite/poly(dl-lactic acid-co-alpha,beta-malic acid) composite nanoparticles for stem cell labeling. <i>Biomaterials</i> , 2010 , 31, 3502-11	15.6	101
552	QCM-D analysis of binding mechanism of phage particles displaying a constrained heptapeptide with specific affinity to SiO ₂ and TiO ₂ . <i>Analytical Chemistry</i> , 2006 , 78, 4872-9	7.8	100
551	Triphenylamine-Fluorene Alternating Conjugated Copolymers with Pendant Acceptor Groups: Synthesis, Structure-Property Relationship, and Photovoltaic Application. <i>Macromolecules</i> , 2009 , 42, 3104-3111	5.5	99
550	Surface charge control for zwitterionic polymer brushes: Tailoring surface properties to antifouling applications. <i>Journal of Colloid and Interface Science</i> , 2015 , 452, 43-53	9.3	98
549	Assessment of in vitro bioactivity of hyaluronic acid and sulfated hyaluronic acid functionalized electroactive polymer. <i>Biomacromolecules</i> , 2004 , 5, 2238-46	6.9	98
548	Study of overoxidized polypyrrole using X-ray photoelectron spectroscopy. <i>Polymer</i> , 1994 , 35, 504-508	3.9	96
547	Synthesis and Characterization of Poly(N-isopropylacrylamide)-graft-Poly(vinylidene fluoride) Copolymers and Temperature-Sensitive Membranes. <i>Langmuir</i> , 2002 , 18, 6416-6423	4	95

546	Parallel Control over Surface Charge and Wettability Using Polyelectrolyte Architecture: Effect on Protein Adsorption and Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30552-30563	9.5	94
545	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	15.6	94
544	Alternating Silica/Polymer Multilayer Hybrid Microspheres Templates for Double-shelled Polymer and Inorganic Hollow Microstructures. <i>Chemistry of Materials</i> , 2010 , 22, 1309-1317	9.6	93
543	Layer-by-layer click deposition of functional polymer coatings for combating marine biofouling. <i>Biomacromolecules</i> , 2012 , 13, 2769-80	6.9	92
542	(Carboxymethyl)chitosan-modified superparamagnetic iron oxide nanoparticles for magnetic resonance imaging of stem cells. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 328-35	9.5	92
541	Multifunctional polyglycerol-grafted Fe ₃ O ₄ @SiO ₂ Nanoparticles for targeting ovarian cancer cells. <i>Biomaterials</i> , 2011 , 32, 2166-73	15.6	91
540	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, 417-26	3.9	91
539	Critical parameters in the pegylation of gold nanoshells for biomedical applications: an in vitro macrophage study. <i>Journal of Drug Targeting</i> , 2009 , 17, 181-93	5.4	90
538	Covalent immobilization of glucose oxidase on the surface of polyaniline films graft copolymerized with acrylic acid. <i>Biomaterials</i> , 1998 , 19, 45-53	15.6	90
537	Surface-grafted viologen for precipitation of silver nanoparticles and their combined bactericidal activities. <i>Langmuir</i> , 2004 , 20, 6847-52	4	90
536	Combating bacterial colonization on metals via polymer coatings: relevance to marine and medical applications. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2808-19	9.5	89
535	Controlled grafting of comb copolymer brushes on poly(tetrafluoroethylene) films by surface-initiated living radical polymerizations. <i>Langmuir</i> , 2005 , 21, 450-6	4	88
534	Stimuli-responsive multifunctional membranes of controllable morphology from poly(vinylidene fluoride)-graft-poly[2-(N,N-dimethylamino)ethyl methacrylate] prepared via atom transfer radical polymerization. <i>Langmuir</i> , 2008 , 24, 14151-8	4	87
533	Characterization of membranes prepared from blends of poly(acrylic acid)-graft-poly(vinylidene fluoride) with poly(N-isopropylacrylamide) and their temperature- and pH-sensitive microfiltration. <i>Journal of Membrane Science</i> , 2003 , 224, 93-106	9.6	87
532	Flexible Smart Window via Surface Graft Copolymerization of Viologen on Polyethylene. <i>Advanced Materials</i> , 2000 , 12, 1536-1539	24	87
531	Functionalized mesoporous silica nanoparticles with mucoadhesive and sustained drug release properties for potential bladder cancer therapy. <i>Langmuir</i> , 2014 , 30, 6151-61	4	86
530	Barnacle cement as surface anchor for "clicking" of antifouling and antimicrobial polymer brushes on stainless steel. <i>Biomacromolecules</i> , 2013 , 14, 2041-51	6.9	86
529	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013 , 4, 3105	4.9	85

528	Drug permeation through temperature-sensitive membranes prepared from poly(vinylidene fluoride) with grafted poly(N-isopropylacrylamide) chains. <i>Journal of Membrane Science</i> , 2004 , 243, 253-262	9.6	85
527	Antibacterial activity of polymeric substrate with surface grafted viologen moieties. <i>Biomaterials</i> , 2005 , 26, 501-8	15.6	85
526	Preparation of Polymer/Silicon(100) Hybrids via Interface-Initiated Reversible Addition-Fragmentation Chain-Transfer (RAFT) Polymerization. <i>Macromolecules</i> , 2006 , 39, 5577-5582	5.5	84
525	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	3.9	84
524	Electroactive polymer/SiO ₂ nanocomposites for metal uptake. <i>Polymer</i> , 1999 , 40, 887-893	3.9	83
523	Antibacterial activity of cloth functionalized with N-alkylated poly(4-vinylpyridine). <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 71, 70-80		82
522	Electroless plating of copper on polyimide films modified by surface grafting of tertiary and quaternary amines polymers. <i>Polymer</i> , 2002 , 43, 4137-4146	3.9	81
521	Brush-type amphiphilic diblock copolymers from "living"/controlled radical polymerizations and their aggregation behavior. <i>Langmuir</i> , 2005 , 21, 7180-5	4	80
520	Hydroxyapatite-coated carboxymethyl chitosan scaffolds for promoting osteoblast and stem cell differentiation. <i>Journal of Colloid and Interface Science</i> , 2012 , 366, 224-232	9.3	79
519	Covalent immobilization of invertase onto the surface-modified polyaniline from graft copolymerization with acrylic acid. <i>European Polymer Journal</i> , 2000 , 36, 2095-2103	5.2	79
518	Surface Graft Copolymerization of Poly(tetrafluoroethylene) Films with N-Containing Vinyl Monomers for the Electroless Plating of Copper. <i>Langmuir</i> , 2001 , 17, 211-218	4	79
517	Micellization and phase transition behavior of thermosensitive poly(N-isopropylacrylamide)- <i>b</i> -poly(ϵ -caprolactone)- <i>b</i> -poly(N-isopropylacrylamide) triblock copolymers. <i>Polymer</i> , 2008 , 49, 5084-5094	3.9	78
516	Poly(vinylidene fluoride) with Grafted Zwitterionic Polymer Side Chains for Electrolyte-Responsive Microfiltration Membranes. <i>Langmuir</i> , 2003 , 19, 7030-7037	4	78
515	The intrinsic redox states in polypyrrole and polyaniline: A comparative study by XPS. <i>Surface and Interface Analysis</i> , 1992 , 19, 33-37	1.5	78
514	Electrical conductivity switching and memory effects in poly(N-vinylcarbazole) derivatives with pendant azobenzene chromophores and terminal electron acceptor moieties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6027		77
513	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. <i>Polymer</i> , 2011 , 52, 2376-2383	3.9	77
512	Bistable electrical switching and write-once read-many-times memory effect in a donor-acceptor containing polyfluorene derivative and its carbon nanotube composites. <i>Journal of Applied Physics</i> , 2007 , 102, 024502	2.5	77
511	Surface modifications of polyaniline films by graft copolymerization. <i>Macromolecules</i> , 1992 , 25, 1959-1965	6.5	77

510	Synthesis of polyimides containing triphenylamine-substituted triazole moieties for polymer memory applications. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 5790-5800	2.5	76
509	Surface modification strategies for combating catheter-related complications: recent advances and challenges. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2045-2067	7.3	75
508	Oxidation-Reduction Interactions between Electroactive Polymer Thin Films and Au(III) Ions in Acid Solutions. <i>Chemistry of Materials</i> , 1997 , 9, 2906-2912	9.6	75
507	Thermoresponsive comb-shaped copolymer-Si(100) hybrids for accelerated temperature-dependent cell detachment. <i>Biomaterials</i> , 2006 , 27, 1236-45	15.6	75
506	Controlled grafting of well-defined epoxide polymers on hydrogen-terminated silicon substrates by surface-initiated ATRP at ambient temperature. <i>Langmuir</i> , 2004 , 20, 8294-300	4	75
505	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	3.5	74
504	Design and synthesis of star polymers with hetero-arms by the combination of controlled radical polymerizations and click chemistry. <i>Polymer</i> , 2007 , 48, 6992-6999	3.9	74
503	Functionalization of inorganic nanoparticles with polymers for stealth biomedical applications. <i>Polymer Chemistry</i> , 2011 , 2, 747-759	4.9	73
502	Temperature- and pH-sensitive nylon membranes prepared via consecutive surface-initiated atom transfer radical graft polymerizations. <i>Journal of Membrane Science</i> , 2009 , 342, 300-306	9.6	73
501	Hairy Hollow Microspheres of Fluorescent Shell and Temperature-Responsive Brushes via Combined Distillation-Precipitation Polymerization and Thiol-ene Click Chemistry. <i>Macromolecules</i> , 2010 , 43, 5797-5803	5.5	72
500	Inorganic-organic hybrid coatings on stainless steel by layer-by-layer deposition and surface-initiated atom-transfer-radical polymerization for combating biocorrosion. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 640-52	9.5	71
499	Preparation of Cross-Linked Polystyrene Hollow Nanospheres via Surface-Initiated Atom Transfer Radical Polymerizations. <i>Macromolecules</i> , 2005 , 38, 7867-7871	5.5	70
498	Preparation of Hollow Silica Nanospheres by Surface-Initiated Atom Transfer Radical Polymerization on Polymer Latex Templates. <i>Advanced Functional Materials</i> , 2005 , 15, 113-117	15.6	70
497	Efficient derivation of lateral plate and paraxial mesoderm subtypes from human embryonic stem cells through GSKi-mediated differentiation. <i>Stem Cells and Development</i> , 2013 , 22, 1893-906	4.4	69
496	Polymeric nanoparticles with encapsulated superparamagnetic iron oxide and conjugated cisplatin for potential bladder cancer therapy. <i>Biomacromolecules</i> , 2012 , 13, 2513-20	6.9	69
495	Surface Functionalization of Fe ₃ O ₄ Magnetic Nanoparticles via RAFT-Mediated Graft Polymerization. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1665-1669	4.8	69
494	Porous and electrically conductive polypyrrole-poly(vinyl alcohol) composite and its applications as a biomaterial. <i>Langmuir</i> , 2005 , 21, 10702-9	4	69
493	UV-Induced Coupling of 4-Vinylbenzyl Chloride on Hydrogen-Terminated Si(100) Surfaces for the Preparation of Well-Defined Polymer/Si Hybrids via Surface-Initiated ATRP. <i>Macromolecules</i> , 2005 , 38, 1573-1580	5.5	69

492	Recovery of gold by electroless precipitation from acid solutions using polyaniline. <i>Journal of Chemical Technology and Biotechnology</i> , 1994 , 59, 31-36	3.5	69
491	Conductive Hollow Nanospheres of Polyaniline via Surface-Initiated Atom Transfer Radical Polymerization of 4-Vinylniline and Oxidative Graft Copolymerization of Aniline. <i>Macromolecules</i> , 2007 , 40, 2271-2275	5.5	68
490	Functionalization of Hydrogen-Terminated Silicon with Polybetaine Brushes via Surface-Initiated Reversible Addition-Fragmentation Chain-Transfer (RAFT) Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1673-1680	3.9	68
489	Push-Bull 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	67
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