

Koon Gee Neoh

List of Publications by Year in descending order

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639
papers

37,715
citations

2832

97
h-index

8433

152
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all docs

647
docs citations

647
times ranked

37187
citing authors

#	ARTICLE	IF	CITATIONS
1	Wirelessly Activated Nanotherapeutics for In Vivo Programmable Photodynamic Chemotherapy of Orthotopic Bladder Cancer. <i>Advanced Science</i> , 2022, 9, e2200731.	5.6	12
2	Adsorptive removal of tetracycline and amoxicillin from aqueous solution by leached carbon black waste and chitosan-carbon composite beads. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104988.	3.3	43
3	Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2233-2263.	2.0	70
4	Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , 2021, 271, 129542.	4.2	16
5	Facile fabrication of porous waste-derived carbon-polyethylene terephthalate composite sorbent for separation of free and emulsified oil from water. <i>Separation and Purification Technology</i> , 2021, 279, 119664.	3.9	14
6	Antimicrobial Copper-Based Materials and Coatings: Potential Multifaceted Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21159-21182.	4.0	160
7	Potentiating anti-cancer chemotherapeutics and antimicrobials via sugar-mediated strategies. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 772-791.	1.7	12
8	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
9	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
10	Polydopamine Coating Enhances Mucopenetration and Cell Uptake of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4777-4789.	4.0	70
11	Sugar-powered nanoantimicrobials for combating bacterial biofilms. <i>Biomaterials Science</i> , 2019, 7, 2961-2974.	2.6	8
12	Mucopenetration and biocompatibility of polydopamine surfaces for delivery in an Ex Vivo porcine bladder. <i>Journal of Controlled Release</i> , 2019, 300, 161-173.	4.8	34
13	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
14	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
15	Tailoring Polyelectrolyte Architecture To Promote Cell Growth and Inhibit Bacterial Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7882-7891.	4.0	42
16	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
17	Dominant Albumin Surface Interactions under Independent Control of Surface Charge and Wettability. <i>Langmuir</i> , 2018, 34, 1953-1966.	1.6	20
18	Novel silver nanoparticle coated urinary catheter reduces bacterial infection in mice and porcine models. <i>European Urology Supplements</i> , 2018, 17, e481.	0.1	0

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19	Electrical stimulation of adipose-derived mesenchymal stem cells and endothelial cells 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
20	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
21	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
22	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018, 87, 165-196.	11.8	225
23	Extraction and quantification of biofilm bacteria: Method optimized for urinary catheters. <i>Scientific Reports</i> , 2018, 8, 8069.	1.6	71
24	Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. <i>ACS Symposium Series</i> , 2018, , 233-261.	0.5	1
25	Restriction of in vivo infection by antifouling coating on urinary catheter with controllable and sustained silver release: a proof of concept study. <i>BMC Infectious Diseases</i> , 2018, 18, 370.	1.3	28
26	Polydopamine Nanoparticles Enhance Drug Release for Combined Photodynamic and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21125-21136.	4.0	217
27	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
28	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
29	Methoxy group substitution on catechol ring of dopamine facilitates its polymerization and formation of surface coatings. <i>Polymer</i> , 2017, 116, 5-15.	1.8	15
30	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
31	Variation of household electricity consumption and potential impact of outdoor PM2.5 concentration: A comparison between Singapore and Shanghai. <i>Applied Energy</i> , 2017, 188, 475-484.	5.1	23
32	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
33	Transparent Copper-Loaded Chitosan/Silica Antibacterial Coatings with Long-Term Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29515-29525.	4.0	22
34	A one step method for the functional and property modification of DOPA based nanocoatings. <i>Nanoscale</i> , 2017, 9, 12409-12415.	2.8	19
35	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.	1.8	46
36	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

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37	Chemically treated carbon black waste and its potential applications. <i>Journal of Hazardous Materials</i> , 2017, 321, 62-72.	6.5	53
38	Toxicity assessment of carbon black waste: A by-product from oil refineries. <i>Journal of Hazardous Materials</i> , 2017, 321, 600-610.	6.5	28
39	Fabrication of conductive carbon nanomaterial from carbonaceous waste. <i>Energy Procedia</i> , 2017, 143, 487-493.	1.8	0
40	284 Intravesical delivery of hydrophobic drug using mucoadhesive cationic serum albumin nanoparticle as a carrier for bladder cancer therapy. <i>European Urology Supplements</i> , 2016, 15, e284.	0.1	0
41	Rapid toxicity screening of gasification ashes. <i>Waste Management</i> , 2016, 50, 93-104.	3.7	16
42	Tailoring Soft Nanoparticles for Potential Application as Drug Carriers in Bladder Cancer Chemotherapy. <i>ACS Symposium Series</i> , 2016, , 167-195.	0.5	1
43	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
44	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
45	The chemical reactivities of DOPA and dopamine derivatives and their regioselectivities upon oxidative nucleophilic trapping. <i>Tetrahedron</i> , 2016, 72, 6543-6550.	1.0	14
46	On the association between outdoor PM2.5 concentration and the seasonality of tuberculosis for Beijing and Hong Kong. <i>Environmental Pollution</i> , 2016, 218, 1170-1179.	3.7	75
47	One-Pot UV-Triggered <i>o</i> -Nitrobenzyl Dopamine Polymerization and Coating for Surface Antibacterial Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33131-33138.	4.0	23
48	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.	4.0	136
49	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
50	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. <i>Pharmaceutical Research</i> , 2016, 33, 1161-1174.	1.7	19
51	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
52	Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1890-1901.	1.8	42
53	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
54	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

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55	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
56	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
57	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
58	Co-gasification of sewage sludge and woody biomass in a fixed-bed downdraft gasifier: Toxicity assessment of solid residues. <i>Waste Management</i> , 2015, 36, 241-255.	3.7	29
59	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
60	Surface nanoengineering for combating biomaterials infections. , 2015, , 133-161.		4
61	Quantification of aldehyde terminated heparin by SEC-MALLSâ€“UV for the surface functionalization of polycaprolactone biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 253-263.	2.5	11
62	Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5959-5967.	1.8	25
63	Bifunctional Coating with Sustained Release of 4-Amide-piperidine-C12 for Long-Term Prevention of Bacterial Colonization on Silicone. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 405-415.	2.6	18
64	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.	5.0	125
65	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
66	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
67	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
68	CHAPTER 1. Organic Electronic Memory Devices. <i>RSC Polymer Chemistry Series</i> , 2015, , 1-53.	0.1	5
69	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
70	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
71	The effects of silver, silicon-containing apatite towards bacteria and cell responses. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 015010.	1.7	23
72	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

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73	Polymer brush coatings for combating marine biofouling. Progress in Polymer Science, 2014, 39, 1017-1042.	11.8	401
74	Surface Modification of Silicone with Covalently Immobilized and Crosslinked Agarose for Potential Application in the Inhibition of Infection and Omental Wrapping. Advanced Functional Materials, 2014, 24, 1631-1643.	7.8	65
75	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. Polymer Chemistry, 2014, 5, 2010-2017.	1.9	36
76	Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. RSC Advances, 2014, 4, 32335-32344.	1.7	36
77	Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. Journal of Materials Chemistry B, 2014, 2, 398-408.	2.9	31
78	Yolk-shell nanorattles encapsulating a movable Au nanocore in electroactive polyaniline shells for flexible memory device. Journal of Materials Chemistry C, 2014, 2, 5189.	2.7	24
79	Hyperbranched polycaprolactone-click-poly(N-vinylcaprolactam) amphiphilic copolymers and their applications as temperature-responsive membranes. Journal of Materials Chemistry B, 2014, 2, 814-825.	2.9	31
80	Functionalized Mesoporous Silica Nanoparticles with Mucoadhesive and Sustained Drug Release Properties for Potential Bladder Cancer Therapy. Langmuir, 2014, 30, 6151-6161.	1.6	101
81	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
82	Mechanistic insights into response of Staphylococcus aureus to bioelectric effect on polypyrrole/chitosan film. Biomaterials, 2014, 35, 7690-7698.	5.7	39
83	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
84	Bioactive surface functionalization. Journal of Applied Polymer Science, 2014, 131, .	1.3	32
85	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
86	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
87	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
88	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
89	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
90	A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. RSC Advances, 2013, 3, 25204.	1.7	30

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91	CO ₂ -triggered fluorescence "return-on" response of perylene diimide-containing poly(N,N-dimethylaminoethyl methacrylate). <i>Journal of Materials Chemistry A</i> , 2013, 1, 1207-1212.	5.2	44
92	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.	5.0	43
93	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, 238-246.	5.0	34
94	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, 1893-1906.	1.1	90
95	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013, 4, 3105.	1.9	95
96	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, 111-120.	1.9	61
97	Plasmonic metal nanostructure array by glancing angle deposition for biosensing application. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 310-318.	4.0	15
98	In Situ Synthesis and Nonvolatile Rewritable "Memory Effect of Polyaniline" Functionalized Graphene Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 6265-6273.	1.7	55
99	Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. <i>Polymer</i> , 2013, 54, 2264-2271.	1.8	30
100	Combined effects of direct current stimulation and immobilized BMP-2 for enhancement of osteogenesis. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1466-1475.	1.7	47
101	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
102	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
103	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
104	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
105	In vitro effect of a corrosive hostile ocular surface on candidate biomaterials for keratoprosthesis skirt. <i>British Journal of Ophthalmology</i> , 2012, 96, 1252-1258.	2.1	11
106	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
107	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
108	Dispersible Graphene Oxide "Polymer Nanocomposites. <i>RSC Nanoscience and Nanotechnology</i> , 2012, , 179-210.	0.2	4

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109	Combined ATRP and "Click" Chemistry for Designing Stable Tumor-Targeting Superparamagnetic Iron Oxide Nanoparticles. <i>Langmuir</i> , 2012, 28, 563-571.	1.6	45
110	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
111	Layer-by-Layer Click Deposition of Functional Polymer Coatings for Combating Marine Biofouling. <i>Biomacromolecules</i> , 2012, 13, 2769-2780.	2.6	98
112	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
113	Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for "click" functionalization. <i>Polymer Chemistry</i> , 2012, 3, 920.	1.9	54
114	Poly(vinylidene fluoride) Membranes with Hyperbranched Antifouling and Antibacterial Polymer Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15962-15973.	1.8	49
115	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
116	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
117	Preparation of jellyfish-shaped amphiphilic block-graft copolymers consisting of a poly(μ -caprolactone)-block-poly(pentafluorostyrene) ring and poly(ethylene glycol) lateral brushes. <i>Polymer Chemistry</i> , 2012, 3, 1061.	1.9	39
118	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
119	Preparation of stimuli responsive polycaprolactone membranes of controllable porous morphology via combined atom transfer radical polymerization, ring-opening polymerization and thiol-ene click chemistry. <i>Journal of Materials Chemistry</i> , 2012, 22, 16248.	6.7	51
120	Surface modification of magnetic nanoparticles for stem cell labeling. <i>Soft Matter</i> , 2012, 8, 2057-2069.	1.2	43
121	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
122	Affinity analysis of DNA aptamer-peptide interactions using gold nanoparticles. <i>Analytical Biochemistry</i> , 2012, 421, 725-731.	1.1	42
123	Designer Tridentate Mucin 1 Aptamer for Targeted Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1672-1677.	1.6	15
124	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
125	Electrical Bistability and WORM Memory Effects in Donor-Acceptor Polymers Based on Poly(vinylcarbazole). <i>ChemPlusChem</i> , 2012, 77, 74-81.	1.3	37
126	In vivo evaluation of titanium oxide and hydroxyapatite as an artificial cornea skirt. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1063-1072.	1.7	24

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127	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
128	Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012, 33, 2813-2822.	5.7	296
129	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
130	Remineralization of partially demineralized dentine substrate based on a biomimetic strategy. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 733-742.	1.7	38
131	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
132	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.	6.7	81
133	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
134	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
135	Hybrid nanorattles of metal core and stimuli-responsive polymer shell for confined catalytic reactions. <i>Polymer Chemistry</i> , 2011, 2, 1368.	1.9	66
136	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
137	Functional poly(vinylidene fluoride) copolymer membranes via surface-initiated thiol-ene click reactions. <i>Polymer Chemistry</i> , 2011, 2, 1849.	1.9	51
138	Hairy Hybrid Microrattles of Metal Nanocore with Functional Polymer Shell and Brushes. <i>Macromolecules</i> , 2011, 44, 2365-2370.	2.2	45
139	Functionalization of inorganic nanoparticles with polymers for stealth biomedical applications. <i>Polymer Chemistry</i> , 2011, 2, 747-759.	1.9	83
140	Biomimetic Anchors for Antifouling and Antibacterial Polymer Brushes on Stainless Steel. <i>Langmuir</i> , 2011, 27, 7065-7076.	1.6	184
141	Surface-Functionalized and Surface-Functionalizable Poly(vinylidene fluoride) Graft Copolymer Membranes via Click Chemistry and Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2011, 27, 2936-2945.	1.6	53
142	Combating Bacterial Colonization on Metals via Polymer Coatings: Relevance to Marine and Medical Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2808-2819.	4.0	99
143	Poly(vinylidene fluoride) Graft Copolymer Membranes with Clickable Surfaces and Their Functionalization. <i>Macromolecules</i> , 2011, 44, 4258-4268.	2.2	72
144	Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011, 53, 2738-2747.	3.0	171

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