

Koon Gee Neoh

List of Publications by Year in Descending Order

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Version: 2024-04-17

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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.

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 | Wirelessly Activated Nanotherapeutics for In Vivo Programmable Photodynamic-Chemotherapy of Orthotopic Bladder Cancer.. <i>Advanced Science</i> , 2022 , e2200731 | 13.6 | 2 |
| 634 | Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2233-2263 | 4.3 | 17 |
| 633 | Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , 2021 , 271, 129542 | 8.4 | 2 |
| 632 | 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 | 6.8 | 12 |
| 631 | 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 | 8.3 | 3 |
| 630 | Potentiating anti-cancer chemotherapeutics and antimicrobials via sugar-mediated strategies. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 772-791 | 4.6 | 5 |
| 629 | Switchable Antimicrobial and Antifouling Coatings from Tannic Acid-Scaffolded Binary Polymer Brushes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2586-2595 | 8.3 | 25 |
| 628 | Antimicrobial Copper-Based Materials and Coatings: Potential Multifaceted Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21159-21182 | 9.5 | 50 |
| 627 | Polydopamine Coating Enhances Mucopenetration and Cell Uptake of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4777-4789 | 9.5 | 36 |
| 626 | Sugar-powered nanoantimicrobials for combating bacterial biofilms. <i>Biomaterials Science</i> , 2019 , 7, 2961-2974 | 7.4 | 3 |
| 625 | Mucopenetration and biocompatibility of polydopamine surfaces for delivery in an Ex Vivo porcine bladder. <i>Journal of Controlled Release</i> , 2019 , 300, 161-173 | 11.7 | 13 |
| 624 | 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 | 1 |
| 623 | 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 | 8.3 | 20 |
| 622 | Transparent Copper-Based Antibacterial Coatings with Enhanced Efficacy against <i>Pseudomonas aeruginosa</i> . <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 73-83 | 9.5 | 21 |
| 621 | Tailoring Polyelectrolyte Architecture To Promote Cell Growth and Inhibit Bacterial Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7882-7891 | 9.5 | 29 |
| 620 | 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 | 8.3 | 47 |
| 619 | Dominant Albumin-Surface Interactions under Independent Control of Surface Charge and Wettability. <i>Langmuir</i> , 2018 , 34, 1953-1966 | 4 | 13 |

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| 618 | 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 | 4.4 | 36 |
| 617 | Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. <i>ACS Symposium Series</i> , 2018 , 233-261 | 0.4 | 1 |
| 616 | 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 | 4 | 19 |
| 615 | Polydopamine Nanoparticles Enhance Drug Release for Combined Photodynamic and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21125-21136 | 9.5 | 147 |
| 614 | pH-Sensitive Zwitterionic Polymer as an Antimicrobial Agent with Effective Bacterial Targeting. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 40-46 | 5.5 | 33 |
| 613 | 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 | 5.6 | 17 |
| 612 | Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018 , 87, 165-196 | 29.6 | 129 |
| 611 | Extraction and quantification of biofilm bacteria: Method optimized for urinary catheters. <i>Scientific Reports</i> , 2018 , 8, 8069 | 4.9 | 40 |
| 610 | 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 |
| 609 | Arginine-Based Polymer Brush Coatings with Hydrolysis-Triggered Switchable Functionalities from Antimicrobial (Cationic) to Antifouling (Zwitterionic). <i>Langmuir</i> , 2017 , 33, 6925-6936 | 4 | 17 |
| 608 | Methoxy group substitution on catechol ring of dopamine facilitates its polymerization and formation of surface coatings. <i>Polymer</i> , 2017 , 116, 5-15 | 3.9 | 12 |
| 607 | Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3055-3062 | 8.3 | 24 |
| 606 | 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 | 10.7 | 18 |
| 605 | 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 | 9.5 | 28 |
| 604 | Transparent Copper-Loaded Chitosan/Silica Antibacterial Coatings with Long-Term Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29515-29525 | 9.5 | 17 |
| 603 | A one step method for the functional and property modification of DOPA based nanocoatings. <i>Nanoscale</i> , 2017 , 9, 12409-12415 | 7.7 | 13 |
| 602 | Biomimetic Anchors for Antifouling Polymer Brush Coatings 2017 , 377-403 | | 1 |
| 601 | 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 |

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| 600 | 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 | 9.3 | 17 |
| 599 | Chemically treated carbon black waste and its potential applications. <i>Journal of Hazardous Materials</i> , 2017 , 321, 62-72 | 12.8 | 40 |
| 598 | Toxicity assessment of carbon black waste: A by-product from oil refineries. <i>Journal of Hazardous Materials</i> , 2017 , 321, 600-610 | 12.8 | 21 |
| 597 | Fabrication of conductive carbon nanomaterial from carbonaceous waste. <i>Energy Procedia</i> , 2017 , 143, 487-493 | 2.3 | |
| 596 | 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 |
| 595 | The chemical reactivities of DOPA and dopamine derivatives and their regioselectivities upon oxidative nucleophilic trapping. <i>Tetrahedron</i> , 2016 , 72, 6543-6550 | 2.4 | 10 |
| 594 | On the association between outdoor PM concentration and the seasonality of tuberculosis for Beijing and Hong Kong. <i>Environmental Pollution</i> , 2016 , 218, 1170-1179 | 9.3 | 55 |
| 593 | One-Pot UV-Triggered o-Nitrobenzyl Dopamine Polymerization and Coating for Surface Antibacterial Application. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33131-33138 | 9.5 | 20 |
| 592 | 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 |
| 591 | 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 | 8.3 | 31 |
| 590 | Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. <i>Pharmaceutical Research</i> , 2016 , 33, 1161-74 | 4.5 | 14 |
| 589 | 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 | 6 | 9 |
| 588 | Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1890-1901 | 3.9 | 36 |
| 587 | 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 | 3.7 | 44 |
| 586 | 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 | 5.1 | 22 |
| 585 | 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 | 6.7 | 19 |
| 584 | 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 |
| 583 | Synthesis of catechol and zwitterion-bifunctionalized poly(ethylene glycol) for the construction of antifouling surfaces. <i>Polymer Chemistry</i> , 2016 , 7, 493-501 | 4.9 | 58 |

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| 582 | Rapid toxicity screening of gasification ashes. <i>Waste Management</i> , 2016 , 50, 93-104 | 8.6 | 15 |
| 581 | Tailoring Soft Nanoparticles for Potential Application as Drug Carriers in Bladder Cancer Chemotherapy. <i>ACS Symposium Series</i> , 2016 , 167-195 | 0.4 | 1 |
| 580 | 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 |
| 579 | Quantification of aldehyde terminated heparin by SEC-MALLS-UV for the surface functionalization of polycaprolactone biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 132, 253-63 | 6 | 8 |
| 578 | Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5959-5967 | 3.9 | 21 |
| 577 | 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 | 5.5 | 14 |
| 576 | 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 |
| 575 | Characterization of Nanomaterials/Nanoparticles 2015 , 23-44 | | 0 |
| 574 | 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 | 5.1 | 38 |
| 573 | 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 |
| 572 | 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 | 9.3 | 39 |
| 571 | 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, 241-55 | 8.6 | 24 |
| 570 | 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 |
| 569 | Surface nanoengineering for combating biomaterials infections 2015 , 133-161 | | 4 |
| 568 | CHAPTER 1:Organic Electronic Memory Devices. <i>RSC Polymer Chemistry Series</i> , 2015 , 1-53 | 1.3 | 3 |
| 567 | The effects of silver, silicon-containing apatite towards bacteria and cell responses. <i>Biomedical Materials (Bristol)</i> , 2014 , 9, 015010 | 3.5 | 17 |
| 566 | 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 | 4.8 | 12 |
| 565 | Polymer brush coatings for combating marine biofouling. <i>Progress in Polymer Science</i> , 2014 , 39, 1017-1042 | 3.6 | 316 |

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| 564 | Functionalized and Functionalizable Fluoropolymer Membranes 2014 , 149-181 | | 3 |
| 563 | 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 | 15.6 | 53 |
| 562 | A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. <i>Polymer Chemistry</i> , 2014 , 5, 2010-2017 | 4.9 | 32 |
| 561 | Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. <i>RSC Advances</i> , 2014 , 4, 32335-32344 | 3.7 | 34 |
| 560 | 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 | 7.3 | 29 |
| 559 | 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 | 7.1 | 23 |
| 558 | 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 | 7.3 | 29 |
| 557 | 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 |
| 556 | 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 | 24 |
| 555 | Mechanistic insights into response of <i>Staphylococcus aureus</i> to bioelectric effect on polypyrrole/chitosan film. <i>Biomaterials</i> , 2014 , 35, 7690-8 | 15.6 | 28 |
| 554 | 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 | 9.3 | 31 |
| 553 | Effect of adhesive ligand on cell deadhesion kinetics on poly(N-isopropylacrylamide). <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 1433-45 | 1 | |
| 552 | Enhanced endothelial differentiation of adipose-derived stem cells by substrate nanotopography. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014 , 8, 50-8 | 4.4 | 36 |
| 551 | In vitro endothelialization of cobalt chromium alloys with micro/nanostructures using adipose-derived stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 1067-77 | 4.5 | 6 |
| 550 | 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 | 4.3 | 7 |
| 549 | 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 | 3.9 | 18 |
| 548 | 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 | 3.5 | 30 |
| 547 | 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 | 13 | 48 |

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| 546 | A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. <i>RSC Advances</i> , 2013 , 3, 25204 | 3.7 | 21 |
| 545 | 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 | 13 | 42 |
| 544 | 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 | 9.3 | 37 |
| 543 | 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 | 9.3 | 30 |
| 542 | 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 |
| 541 | Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013 , 4, 3105 | 4.9 | 85 |
| 540 | 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 | 5.1 | 54 |
| 539 | Plasmonic metal nanostructure array by glancing angle deposition for biosensing application. <i>Sensors and Actuators B: Chemical</i> , 2013 , 183, 310-318 | 8.5 | 11 |
| 538 | In situ synthesis and nonvolatile rewritable-memory effect of polyaniline-functionalized graphene oxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 6265-73 | 4.8 | 49 |
| 537 | Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. <i>Polymer</i> , 2013 , 54, 2264-2271 | 3.9 | 24 |
| 536 | Combined effects of direct current stimulation and immobilized BMP-2 for enhancement of osteogenesis. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1466-75 | 4.9 | 41 |
| 535 | 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 |
| 534 | 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, 1304-1315 | 7.3 | 33 |
| 533 | Reactive graphene oxide nanosheets: a versatile platform for the fabrication of graphene oxide-biomolecule/polymer nanohybrids. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 234-8 | 4.8 | 22 |
| 532 | 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, 262904 | 3.4 | 28 |
| 531 | 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 |
| 530 | Balancing osteoblast functions and bacterial adhesion on functionalized titanium surfaces. <i>Biomaterials</i> , 2012 , 33, 2813-22 | 15.6 | 266 |
| 529 | 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, 336-45 | 4.9 | 107 |

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| 528 | Remineralization of partially demineralized dentine substrate based on a biomimetic strategy. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 733-42 | 4.5 | 28 |
| 527 | 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 |
| 526 | Chapter 8: Dispersible Graphene Oxide Polymer Nanocomposites. <i>RSC Nanoscience and Nanotechnology</i> , 2012 , 179-210 | | 2 |
| 525 | Combined ATRP and 'click' chemistry for designing stable tumor-targeting superparamagnetic iron oxide nanoparticles. <i>Langmuir</i> , 2012 , 28, 563-71 | 4 | 42 |
| 524 | Surface modification of silicone for biomedical applications requiring long-term antibacterial, antifouling, and hemocompatible properties. <i>Langmuir</i> , 2012 , 28, 16408-22 | 4 | 127 |
| 523 | Layer-by-layer click deposition of functional polymer coatings for combating marine biofouling. <i>Biomacromolecules</i> , 2012 , 13, 2769-80 | 6.9 | 92 |
| 522 | 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 |
| 521 | Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for click functionalization. <i>Polymer Chemistry</i> , 2012 , 3, 920 | 4.9 | 51 |
| 520 | Poly(vinylidene fluoride) Membranes with Hyperbranched Antifouling and Antibacterial Polymer Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 15962-15973 | 3.9 | 41 |
| 519 | Carboxymethyl Chitosan-Functionalized Magnetic Nanoparticles for Disruption of Biofilms of Staphylococcus aureus and Escherichia coli. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13164-13172 | 3.9 | 25 |
| 518 | Immobilization strategy for optimizing VEGF's concurrent bioactivity towards endothelial cells and osteoblasts on implant surfaces. <i>Biomaterials</i> , 2012 , 33, 8082-93 | 15.6 | 45 |
| 517 | Preparation of jellyfish-shaped amphiphilic block-graft copolymers consisting of a poly(ϵ -caprolactone)-block-poly(pentafluorostyrene) ring and poly(ethylene glycol) lateral brushes. <i>Polymer Chemistry</i> , 2012 , 3, 1061 | 4.9 | 36 |
| 516 | 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 | 4.9 | 20 |
| 515 | 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 | | 47 |
| 514 | Surface modification of magnetic nanoparticles for stem cell labeling. <i>Soft Matter</i> , 2012 , 8, 2057-2069 | 3.6 | 41 |
| 513 | 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 |
| 512 | Affinity analysis of DNA aptamer-peptide interactions using gold nanoparticles. <i>Analytical Biochemistry</i> , 2012 , 421, 725-31 | 3.1 | 31 |
| 511 | Designer tridentate mucin 1 aptamer for targeted drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 1672-7 | 3.9 | 15 |

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| 510 | 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 | 3.6 | 28 |
| 509 | Electrical Bistability and WORM Memory Effects in Donor-Acceptor Polymers Based on Poly(N-vinylcarbazole). <i>ChemPlusChem</i> , 2012 , 77, 74-81 | 2.8 | 35 |
| 508 | In vivo evaluation of titanium oxide and hydroxyapatite as an artificial cornea skirt. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 1063-72 | 4.5 | 20 |
| 507 | In vitro effect of a corrosive hostile ocular surface on candidate biomaterials for keratoprosthesis skirt. <i>British Journal of Ophthalmology</i> , 2012 , 96, 1252-8 | 5.5 | 10 |
| 506 | Functional polymer brushes via surface-initiated atom transfer radical graft polymerization for combating marine biofouling. <i>Biofouling</i> , 2012 , 28, 895-912 | 3.3 | 53 |
| 505 | 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 | | 28 |
| 504 | 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 | 4.9 | 21 |
| 503 | Hybrid nanorattles of metal core and stimuli-responsive polymer shell for confined catalytic reactions. <i>Polymer Chemistry</i> , 2011 , 2, 1368 | 4.9 | 63 |
| 502 | 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 |
| 501 | Functional poly(vinylidene fluoride) copolymer membranes via surface-initiated thiol-ene click reactions. <i>Polymer Chemistry</i> , 2011 , 2, 1849 | 4.9 | 43 |
| 500 | Hairy Hybrid Microrattles of Metal Nanocore with Functional Polymer Shell and Brushes. <i>Macromolecules</i> , 2011 , 44, 2365-2370 | 5.5 | 44 |
| 499 | Functionalization of inorganic nanoparticles with polymers for stealth biomedical applications. <i>Polymer Chemistry</i> , 2011 , 2, 747-759 | 4.9 | 73 |
| 498 | Biomimetic anchors for antifouling and antibacterial polymer brushes on stainless steel. <i>Langmuir</i> , 2011 , 27, 7065-76 | 4 | 167 |
| 497 | Surface-functionalized and surface-functionalizable poly(vinylidene fluoride) graft copolymer membranes via click chemistry and atom transfer radical polymerization. <i>Langmuir</i> , 2011 , 27, 2936-45 | 4 | 45 |
| 496 | 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 |
| 495 | Poly(vinylidene fluoride) Graft Copolymer Membranes with Clickable Surfaces and Their Functionalization. <i>Macromolecules</i> , 2011 , 44, 4258-4268 | 5.5 | 64 |
| 494 | Superhydrophobic fluoropolymer-modified copper surface via surface graft polymerisation for corrosion protection. <i>Corrosion Science</i> , 2011 , 53, 2738-2747 | 6.8 | 148 |
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