

Jung Kwon Oh

List of Publications by Year in descending order

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96
papers

5,271
citations

147801

31
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85541

71
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97
all docs

97
docs citations

97
times ranked

7328
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The development of microgels/nanogels for drug delivery applications. Progress in Polymer Science, 2008, 33, 448-477. | 24.7 | 1,419 |
| 2 | Biopolymer-based microgels/nanogels for drug delivery applications. Progress in Polymer Science, 2009, 34, 1261-1282. | 24.7 | 461 |
| 3 | Iron oxide-based superparamagnetic polymeric nanomaterials: Design, preparation, and biomedical application. Progress in Polymer Science, 2011, 36, 168-189. | 24.7 | 387 |
| 4 | Recent advances in stimuli-responsive degradable block copolymer micelles: synthesis and controlled drug delivery applications. Chemical Communications, 2012, 48, 7542. | 4.1 | 332 |
| 5 | Poly(lactide (PLA))-based amphiphilic block copolymers: synthesis, self-assembly, and biomedical applications. Soft Matter, 2011, 7, 5096. | 2.7 | 267 |
| 6 | Intracellular Drug Delivery Nanocarriers of Glutathione-Responsive Degradable Block Copolymers Having Pendant Disulfide Linkages. Biomacromolecules, 2013, 14, 2103-2111. | 5.4 | 118 |
| 7 | Recent Strategies to Develop Polysaccharide-Based Nanomaterials for Biomedical Applications. Macromolecular Rapid Communications, 2014, 35, 1819-1832. | 3.9 | 107 |
| 8 | Recent strategies to develop self-healable crosslinked polymeric networks. Chemical Communications, 2015, 51, 13058-13070. | 4.1 | 98 |
| 9 | Biodegradable Block Copolymer Micelles with Thiol-Responsive Sheddable Coronas. Biomacromolecules, 2011, 12, 3819-3825. | 5.4 | 95 |
| 10 | Glutathione-Triggered Disassembly of Dual Disulfide Located Degradable Nanocarriers of Poly(lactide)-Based Block Copolymers for Rapid Drug Release. Biomacromolecules, 2014, 15, 3180-3189. | 5.4 | 92 |
| 11 | Dual Sulfide-Disulfide Crosslinked Networks with Rapid and Room Temperature Self-Healability. Macromolecular Rapid Communications, 2015, 36, 1255-1260. | 3.9 | 83 |
| 12 | Enhancing targeted antibiotic therapy via pH responsive solid lipid nanoparticles from an acid cleavable lipid. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2067-2077. | 3.3 | 69 |
| 13 | Stimulus-Responsive Degradable Poly(lactide)-Based Block Copolymer Nanoassemblies for Controlled/Enhanced Drug Delivery. Molecular Pharmaceutics, 2017, 14, 2460-2474. | 4.6 | 69 |
| 14 | Multifunctional Self-Assembled Supernanoparticles for Deep-Tissue Bimodal Imaging and Amplified Dual-Mode Heating Treatment. ACS Nano, 2019, 13, 408-420. | 14.6 | 68 |
| 15 | Multidentate Block-Copolymer-Stabilized Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Enhanced Colloidal Stability for Magnetic Resonance Imaging. Biomacromolecules, 2014, 15, 2146-2156. | 5.4 | 60 |
| 16 | Surface modification of colloidal CdX-based quantum dots for biomedical applications. Journal of Materials Chemistry, 2010, 20, 8433. | 6.7 | 57 |
| 17 | Self-Healable Reprocessable Triboelectric Nanogenerators Fabricated with Vitrimeric Poly(hindered) Tj ETQq1 1 0.784314 rgBT /Overloct | 14.6 | 57 |
| 18 | Thiol-responsive block copolymer nanocarriers exhibiting tunable release with morphology changes. Polymer Chemistry, 2013, 4, 351-359. | 3.9 | 56 |

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|----|--|------|-----------|
| 19 | Dual location disulfide degradable interlayer-crosslinked micelles with extended sheddable coronas exhibiting enhanced colloidal stability and rapid release. <i>Polymer Chemistry</i> , 2014, 5, 1637-1649. | 3.9 | 55 |
| 20 | Redox-responsive cellulose-based thermoresponsive grafted copolymers and in-situ disulfide crosslinked nanogels. <i>Polymer</i> , 2015, 72, 387-394. | 3.8 | 50 |
| 21 | A dual location stimuli-responsive degradation strategy of block copolymer nanocarriers for accelerated release. <i>Chemical Communications</i> , 2013, 49, 7534. | 4.1 | 44 |
| 22 | Development and disassembly of single and multiple acid-cleavable block copolymer nanoassemblies for drug delivery. <i>Polymer Chemistry</i> , 2020, 11, 2934-2954. | 3.9 | 39 |
| 23 | Reductively degradable polyester-based block copolymers prepared by facile polycondensation and ATRP: synthesis, degradation, and aqueous micellization. <i>Soft Matter</i> , 2011, 7, 7441. | 2.7 | 37 |
| 24 | New Design of Thiol-Responsive Degradable Polylactide-Based Block Copolymer Micelles. <i>Macromolecular Rapid Communications</i> , 2013, 34, 163-168. | 3.9 | 37 |
| 25 | Disassembly and tumor-targeting drug delivery of reduction-responsive degradable block copolymer nanoassemblies. <i>Polymer Chemistry</i> , 2019, 10, 1554-1568. | 3.9 | 37 |
| 26 | Rapidly thiol-responsive degradable block copolymer nanocarriers with facile bioconjugation. <i>Polymer Chemistry</i> , 2012, 3, 2138. | 3.9 | 36 |
| 27 | Intracellular delivery cellulose-based bionanogels with dual temperature/pH-response for cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 246-253. | 5.0 | 36 |
| 28 | Dynamic Covalent Polyurethane Network Materials: Synthesis and Self-Healability. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100391. | 3.9 | 35 |
| 29 | New Thiol-Responsive Mono-Cleavable Block Copolymer Micelles Labeled with Single Disulfides. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1652-1657. | 3.9 | 34 |
| 30 | Magnetic Photoluminescent Nanoplatfrom Built from Large-Pore Mesoporous Silica. <i>Chemistry of Materials</i> , 2019, 31, 3201-3210. | 6.7 | 34 |
| 31 | A new reactive polymethacrylate bearing pendant furfuryl groups: Synthesis, thermoreversible reactions, and self-healing. <i>Polymer</i> , 2017, 109, 58-65. | 3.8 | 32 |
| 32 | An Integrated Multifunctional Nanoplatfrom for Deep-Tissue Dual-Mode Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1706235. | 14.9 | 32 |
| 33 | Synthesis and thiol-responsive degradation of polylactide-based block copolymers having disulfide junctions using ATRP and ROP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3071-3080. | 2.3 | 31 |
| 34 | Dual-stimuli reduction and acidic pH-responsive bionanogels: intracellular delivery nanocarriers with enhanced release. <i>RSC Advances</i> , 2014, 4, 229-237. | 3.6 | 31 |
| 35 | Dual Redox and Thermoresponsive Double Hydrophilic Block Copolymers with Tunable Thermoresponsive Properties and Self-Assembly Behavior. <i>Macromolecular Rapid Communications</i> , 2014, 35, 752-757. | 3.9 | 30 |
| 36 | Synthesis and reduction-responsive disassembly of PLA-based mono-cleavable micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 693-700. | 5.0 | 28 |

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|----|---|-----|-----------|
| 37 | Mussel-Inspired Multidentate Block Copolymer to Stabilize Ultrasmall Superparamagnetic Fe ₃ O ₄ for Magnetic Resonance Imaging Contrast Enhancement and Excellent Colloidal Stability. <i>Chemistry of Materials</i> , 2015, 27, 7100-7109. | 6.7 | 28 |
| 38 | Superparamagnetic Iron Oxide Nanoparticles Stabilized with Multidentate Block Copolymers for Optimal Vascular Contrast in T ₁ -Weighted Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 894-907. | 5.0 | 28 |
| 39 | Rosin-based block copolymer intracellular delivery nanocarriers with reduction-responsive sheddable coronas for cancer therapy. <i>Polymer Chemistry</i> , 2016, 7, 4751-4760. | 3.9 | 27 |
| 40 | Multiblock Copolymer-Based Dual Dynamic Disulfide and Supramolecular Crosslinked Self-Healing Networks. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600777. | 3.9 | 27 |
| 41 | Intracellular Delivery of Colloidally Stable Core-Cross-Linked Triblock Copolymer Micelles with Glutathione-Responsive Enhanced Drug Release for Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2017, 14, 2518-2528. | 4.6 | 24 |
| 42 | Development and Investigation of Ultrastable PbS/CdS/ZnS Quantum Dots for Near-Infrared Tumor Imaging. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600242. | 2.3 | 23 |
| 43 | Dual Location, Dual Acidic pH/Reduction-Responsive Degradable Block Copolymer: Synthesis and Investigation of Ketal Linkage Instability under ATRP Conditions. <i>Macromolecules</i> , 2017, 50, 9427-9436. | 4.8 | 22 |
| 44 | Reductively-sheddable cationic nanocarriers for dual chemotherapy and gene therapy with enhanced release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 178-187. | 5.0 | 21 |
| 45 | Recent advances in development of imine-based acid-degradable polymeric nanoassemblies for intracellular drug delivery. <i>Polymer</i> , 2021, 230, 124024. | 3.8 | 21 |
| 46 | Modulated morphologies and tunable thiol-responsive shedding of aqueous block copolymer aggregates. <i>RSC Advances</i> , 2012, 2, 8079. | 3.6 | 20 |
| 47 | Air-Spun PLA Nanofibers Modified with Reductively Sheddable Hydrophilic Surfaces for Vascular Tissue Engineering: Synthesis and Surface Modification. <i>Macromolecular Rapid Communications</i> , 2014, 35, 447-453. | 3.9 | 20 |
| 48 | Tumor-targeting intracellular drug delivery based on dual acid/reduction-degradable nanoassemblies with ketal interface and disulfide core locations. <i>Polymer Chemistry</i> , 2019, 10, 2840-2853. | 3.9 | 20 |
| 49 | Electrospun Upconverting Nanofibrous Hybrids with Smart NIR-Light-Controlled Drug Release for Wound Dressing. <i>ACS Applied Bio Materials</i> , 2020, 3, 7219-7227. | 4.6 | 20 |
| 50 | Controlled Microfluidic Synthesis of Biological Stimuli-Responsive Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 177-190. | 8.0 | 19 |
| 51 | Dual Location Dual Reduction/Photoresponsive Block Copolymer Micelles: Disassembly and Synergistic Release. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1742-1748. | 3.9 | 18 |
| 52 | Microfluidic Assembly To Synthesize Dual Enzyme/Oxidation-Responsive Polyester-Based Nanoparticulates with Controlled Sizes for Drug Delivery. <i>Langmuir</i> , 2018, 34, 3316-3325. | 3.5 | 18 |
| 53 | Thermoreversible Self-Healing Networks Based on a Tunable Polymethacrylate Crosslinker Having Pendant Maleimide Groups. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2191-2198. | 2.2 | 17 |
| 54 | Ambient temperature induced Diels-Alder crosslinked networks based on controlled methacrylate copolymers for enhanced thermoreversibility and self-healability. <i>RSC Advances</i> , 2017, 7, 26496-26506. | 3.6 | 16 |

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|----|---|-----|-----------|
| 55 | Designing Ultrasmall Carbon Nanospheres with Tailored Sizes and Textural Properties for High-Rate High-Energy Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32916-32929. | 8.0 | 16 |
| 56 | Rapid and Tunable Reductive Degradation of Disulfide-Labelled Polyesters. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 678-685. | 2.2 | 15 |
| 57 | New photo-induced thiol-ene crosslinked films based on linear methacrylate copolymer polythiols. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2860-2868. | 2.3 | 15 |
| 58 | Polymers in Drug Delivery: Chemistry and Applications. <i>Molecular Pharmaceutics</i> , 2017, 14, 2459-2459. | 4.6 | 14 |
| 59 | Dual Reduction/Acid-Responsive Disassembly and Thermo-responsive Tunability of Degradable Double Hydrophilic Block Copolymer. <i>ACS Omega</i> , 2020, 5, 3734-3742. | 3.5 | 14 |
| 60 | Thermally Labile Self-Healable Branched Gel Networks Fabricated by New Macromolecular Engineering Approach Utilizing Thermoreversibility. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700575. | 3.9 | 13 |
| 61 | Microfluidic Shear Processing Control of Biological Reduction Stimuli-Responsive Polymer Nanoparticles for Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5069-5083. | 5.2 | 13 |
| 62 | Multifunctional linear methacrylate copolymer polyenes having pendant vinyl groups: Synthesis and photoinduced thiol-ene crosslinking polyaddition. <i>Journal of Polymer Science Part A</i> , 2014, 52, 572-581. | 2.3 | 12 |
| 63 | PLA-Based Triblock Copolymer Micelles Exhibiting Dual Acidic pH/Reduction Responses at Dual Core and Core/Corona Interface Locations. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800477. | 3.9 | 12 |
| 64 | Dual disassembly and biological evaluation of enzyme/oxidation-responsive polyester-based nanoparticulates for tumor-targeting delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 608-617. | 5.0 | 12 |
| 65 | Facile Strategies to Synthesize Dual Location Dual Acidic pH/Reduction-Responsive Degradable Block Copolymers Bearing Acetal/Disulfide Block Junctions and Disulfide Pendants. <i>ACS Omega</i> , 2018, 3, 8980-8991. | 3.5 | 11 |
| 66 | Phosphonated homopolymers and copolymers via ring opening metathesis polymerization: <i>T_g</i> tuning, flame resistance, and photolithography. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1396-1408. | 2.3 | 10 |
| 67 | Imidazole-Mediated Dual Location Disassembly of Acid-Degradable Intracellular Drug Delivery Block Copolymer Nanoassemblies. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100262. | 3.9 | 10 |
| 68 | Dynamic and Reprocessable Fluorinated Poly(hindered urea) Network Materials Containing Ionic Liquids to Enhance Triboelectric Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17806-17817. | 8.0 | 10 |
| 69 | Tuning amphiphilicity/temperature-induced self-assembly and <i>in situ</i> disulfide crosslinking of reduction-responsive block copolymers. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2057-2067. | 2.3 | 9 |
| 70 | Thiol-responsive hydrogel scaffolds for rapid change in thermoresponsiveness. <i>RSC Advances</i> , 2014, 4, 3699-3707. | 3.6 | 9 |
| 71 | Extremely Small Iron Oxide Nanoparticles Stabilized with Catechol-Functionalized Multidentate Block Copolymer for Enhanced MRI. <i>ChemistrySelect</i> , 2016, 1, 4087-4091. | 1.5 | 9 |
| 72 | Synthesis of degradable PLA-based diblock copolymers with dual acid/reduction-cleavable junction. <i>Polymer</i> , 2020, 194, 122391. | 3.8 | 9 |

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|----|--|-----|-----------|
| 73 | pH-responsive destabilization and facile bioconjugation of new hydroxyl-terminated block copolymer micelles. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1620-1629. | 2.3 | 8 |
| 74 | Chain Length Effect of the Multidentate Block Copolymer Strategy to Stabilize Ultrasmall Fe ₃ O ₄ Nanoparticles. <i>ChemPlusChem</i> , 2014, 79, 1342-1351. | 2.8 | 8 |
| 75 | Photo-induced thiol-ene polysulfide-crosslinked materials with tunable thermal and mechanical properties. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3060-3068. | 2.3 | 8 |
| 76 | Scratch and recovery characteristics of automotive clearcoats containing blocked polyisocyanate crosslinkers. <i>Journal of Coatings Technology Research</i> , 2015, 12, 85-95. | 2.5 | 8 |
| 77 | Dual-Location Dual-Acid/Glutathione-Degradable Cationic Micelleplexes through Hydrophobic Modification for Enhanced Gene Silencing. <i>Molecular Pharmaceutics</i> , 2020, 17, 3979-3989. | 4.6 | 8 |
| 78 | Dual Location Reduction-Responsive Degradable Nanocarriers: A New Strategy for Intracellular Anticancer Drug Delivery with Accelerated Release. <i>ACS Symposium Series</i> , 2015, , 273-291. | 0.5 | 7 |
| 79 | Reduction-Responsive Sheddable Carbon Nanotubes Dispersed in Aqueous Solution. <i>Macromolecular Rapid Communications</i> , 2016, 37, 705-710. | 3.9 | 7 |
| 80 | Photo-induced thiol-ene crosslinked polymethacrylate networks reinforced with Al ₂ O ₃ nanoparticles. <i>Polymer</i> , 2016, 101, 119-126. | 3.8 | 7 |
| 81 | Functional amphiphilic oligo(ethylene oxide) methacrylate-based block copolymers: synthesis by an activator regenerated by electron transfer process for atom transfer radical polymerization and aqueous micellization. <i>Polymer International</i> , 2014, 63, 858-867. | 3.1 | 6 |
| 82 | Free radical nano scavenger based on amphiphilic novolacs. <i>RSC Advances</i> , 2015, 5, 95666-95673. | 3.6 | 6 |
| 83 | Direct Polymerization Approach to Synthesize Acid-Degradable Block Copolymers Bearing Imine Pendants for Tunable pH-Sensitivity and Enhanced Release. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000394. | 3.9 | 6 |
| 84 | Macromolecularly Engineered Thermoreversible Heterogeneous Self-Healable Networks Encapsulating Reactive Multidentate Block Copolymer-Stabilized Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000514. | 3.9 | 6 |
| 85 | Self-healable triboelectric nanogenerators based on ionic poly(hindered urea) network materials cross-linked with fluorinated block copolymers. <i>Polymer Chemistry</i> , 2022, 13, 4343-4351. | 3.9 | 6 |
| 86 | Reactive Multidentate Block Copolymer Stabilization to Carbon Nanotubes for Thermoreversible Cross-Linked Network Gels. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2319-2326. | 4.4 | 5 |
| 87 | New Design of Thiol-Responsive Degradable Block Copolymer Micelles as Controlled Drug Delivery Vehicles. <i>ACS Symposium Series</i> , 2012, , 287-302. | 0.5 | 4 |
| 88 | Enhanced encapsulation of superparamagnetic Fe ₃ O ₄ in acidic core-containing micelles for magnetic resonance imaging. <i>RSC Advances</i> , 2015, 5, 107938-107948. | 3.6 | 4 |
| 89 | Perfluorocarbon Nanodroplets for Dual Delivery with Ultrasound/GSH-Responsive Release of Model Drug and Passive Release of Nitric Oxide. <i>Polymers</i> , 2022, 14, 2240. | 4.5 | 4 |
| 90 | Well-defined methacrylate copolymer having reactive maleimide pendants for fabrication of thermally-labile crosslinked networks with robust self-healing. <i>Materials Today Communications</i> , 2017, 13, 241-247. | 1.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 91 | Bioimaging: An Integrated Multifunctional Nanoplatform for Deep-Tissue Dual-Mode Imaging (Adv.) Tj ETQq1 1 0,784314,rgBT /Ower | 14.9 | 1 |
| 92 | Shell-Sheddable/Core-Degradable ABA Triblock Copolymer Nanoassemblies: Synthesis via RAFT and Concurrent ATRP/RAFT Polymerization and Drug Delivery Application. Molecular Pharmaceutics, 0, , . | 4.6 | 1 |
| 93 | Macromol. Rapid Commun. 13/2015. Macromolecular Rapid Communications, 2015, 36, 1300-1300. | 3.9 | 0 |
| 94 | Macromol. Rapid Commun. 19/2015. Macromolecular Rapid Communications, 2015, 36, 1772-1772. | 3.9 | 0 |
| 95 | Multidentate Block Copolymer Stabilization: A Versatile Strategy for Colloidal Superparamagnetic Iron Oxide Nanoparticles Exhibiting Excellent Colloidal Stability and Enhanced Positive MRI Visualization. ACS Symposium Series, 2018, , 107-128. | 0.5 | 0 |
| 96 | Carbonylimidazole-hydroxyl coupling chemistry: Synthesis and block copolymerization of fully bio-reducible poly(carbonate-disulfide)s. Polymer, 2020, 206, 122793. | 3.8 | 0 |