# Daniel Crespy

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 180 papers | 6,998 citations | 50276 46 h-index | 74163 75 g-index |
| 189 all docs | 189 docs citations | 189 times ranked | 8467 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High Breakdown Field Dielectric Elastomer Actuators Using Encapsulated Polyaniline as High Dielectric Constant Filler. Advanced Functional Materials, 2010, 20, 3280-3291. | 14.9 | 256 |
| 2 | Designing Smart Polymer Conjugates for Controlled Release of Payloads. Chemical Reviews, 2018, 118, 3965-4036. | 47.7 | 235 |
| 3 | Pre-adsorption of antibodies enables targeting of nanocarriers despite a biomolecular corona. Nature Nanotechnology, 2018, 13, 862-869. | 31.5 | 210 |
| 4 | Polymeric Nanoreactors for Hydrophilic Reagents Synthesized by Interfacial Polycondensation on Miniemulsion Droplets. Macromolecules, 2007, 40, 3122-3135. | 4.8 | 207 |
| 5 | Redoxâ€Responsive Selfâ€Healing for Corrosion Protection. Advanced Materials, 2013, 25, 6980-6984. | 21.0 | 190 |
| 6 | Patchy Nanocapsules of Poly(vinylferrocene)-Based Block Copolymers for Redox-Responsive Release. ACS Nano, 2012, 6, 9042-9049. | 14.6 | 183 |
| 7 | How Shape Influences Uptake: Interactions of Anisotropic Polymer Nanoparticles and Human Mesenchymal Stem Cells. Small, 2012, 8, 2222-2230. | 10.0 | 180 |
| 8 | Redox Responsive Release of Hydrophobic Self-Healing Agents from Polyaniline Capsules. Journal of the American Chemical Society, 2013, 135, 14198-14205. | 13.7 | 170 |
| 9 | Temperature-responsive polymers with LCST in the physiological range and their applications in textiles. Polymer International, 2007, 56, 1461-1468. | 3.1 | 166 |
| 10 | Miniemulsion polymerization as a versatile tool for the synthesis of functionalized polymers. Beilstein Journal of Organic Chemistry, 2010, 6, 1132-1148. | 2.2 | 161 |
| 11 | Polymers Based on Cyclic Carbonates as Trait d'Union Between Polymer Chemistry and Sustainable CO<sub>2</sub> Utilization. ChemSusChem, 2019, 12, 724-754. | 6.8 | 156 |
| 12 | Potential photoactivated metallopharmaceuticals: from active molecules to supported drugs. Chemical Communications, 2010, 46, 6651. | 4.1 | 149 |
| 13 | Protein corona change the drug release profile of nanocarriers: The â€œoverlookedâ€•factor at the nanobio interface. Colloids and Surfaces B: Biointerfaces, 2014, 123, 143-149. | 5.0 | 144 |
| 14 | Colloidâ€Electrospinning: Fabrication of Multicompartment Nanofibers by the Electrospinning of Organic or/and Inorganic Dispersions and Emulsions. Macromolecular Rapid Communications, 2012, 33, 1978-1995. | 3.9 | 116 |
| 15 | 100â€...Years of Bakelite, the Material of a 1000 Uses. Angewandte Chemie - International Edition, 2008, 47, 3322-3328. | 13.8 | 102 |
| 16 | Regenerative Nanoâ€Hybrid Coating Tailored for Autonomous Corrosion Protection. Advanced Materials, 2015, 27, 3825-3830. | 21.0 | 101 |
| 17 | Saccharides, oligosaccharides, and polysaccharides nanoparticles for biomedical applications. Journal of Controlled Release, 2018, 284, 188-212. | 9.9 | 101 |
| 18 | Encapsulation of Selfâ€Healing Agents in Polymer Nanocapsules. Small, 2012, 8, 2954-2958. | 10.0 | 100 |

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|---|---|---|---|
| 19 | Brush Conformation of Polyethylene Glycol Determines the Stealth Effect of Nanocarriers in the Low Protein Adsorption Regime. Nano Letters, 2021, 21, 1591-1598. | 9.1 | 87 |
| 20 | Anionic Polymerization of Îµ-Caprolactam in Miniemulsion:Â Synthesis and Characterization of Polyamide-6 Nanoparticles. Macromolecules, 2005, 38, 6882-6887. | 4.8 | 85 |
| 21 | Efficient Nanofibrous Membranes for Antibacterial Wound Dressing and UV Protection. ACS Applied Materials & Interfaces, 2016, 8, 29915-29922. | 8.0 | 75 |
| 22 | Design and characterization of functionalized silica nanocontainers for self-healing materials. Journal of Materials Chemistry, 2012, 22, 2286-2291. | 6.7 | 71 |
| 23 | Particle Formation in the Emulsionâ€Solvent Evaporation Process. Small, 2013, 9, 3514-3522. | 10.0 | 71 |
| 24 | All Organic Nanofibers As Ultralight Versatile Support for Tripletâ€“Triplet Annihilation Upconversion. ACS Macro Letters, 2013, 2, 446-450. | 4.8 | 71 |
| 25 | Advanced stimuli-responsive polymer nanocapsules with enhanced capabilities for payloads delivery. Polymer Chemistry, 2015, 6, 4197-4205. | 3.9 | 68 |
| 26 | Hydrophobic Nanocontainers for Stimulus-Selective Release in Aqueous Environments. Macromolecules, 2014, 47, 4876-4883. | 4.8 | 67 |
| 27 | Synthesis of polyvinylpyrrolidone/silver nanoparticles hybrid latex in non-aqueous miniemulsion at high temperature. Polymer, 2009, 50, 1616-1620. | 3.8 | 64 |
| 28 | Hierarchically Structured Metal Oxide/Silica Nanofibers by Colloid Electrospinning. ACS Applied Materials & Interfaces, 2012, 4, 6338-6345. | 8.0 | 64 |
| 29 | Stimuli-Selective Delivery of two Payloads from Dual Responsive Nanocontainers. Chemistry of Materials, 2014, 26, 3351-3353. | 6.7 | 64 |
| 30 | Etching Masks Based on Miniemulsions: A Novel Route Towards Ordered Arrays of Surface Nanostructures. Advanced Materials, 2007, 19, 1337-1341. | 21.0 | 63 |
| 31 | Making dry fertile: a practical tour of non-aqueous emulsions and miniemulsions, their preparation and some applications. Soft Matter, 2011, 7, 11054. | 2.7 | 62 |
| 32 | Efficient Encapsulation of Self-Healing Agents in Polymer Nanocontainers Functionalized by Orthogonal Reactions. Macromolecules, 2012, 45, 6324-6332. | 4.8 | 62 |
| 33 | Characterization via Two-Color STED Microscopy of Nanostructured Materials Synthesized by Colloid Electrospinning. Langmuir, 2011, 27, 7132-7139. | 3.5 | 61 |
| 34 | Preparation of Microporous Melamineâ€based Polymer Networks in an Anhydrous Highâ€Temperature Miniemulsion. Macromolecular Rapid Communications, 2011, 32, 1798-1803. | 3.9 | 60 |
| 35 | Colloidal Polymers with Controlled Sequence and Branching Constructed from Magnetic Field Assembled Nanoparticles. ACS Nano, 2015, 9, 2720-2728. | 14.6 | 59 |
| 36 | Hierarchical â€œtube-on-fiberâ€•carbon/mixed-metal selenide nanostructures for high-performance hybrid supercapacitors. Nanoscale, 2019, 11, 13996-14009. | 5.6 | 57 |

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| 37 | Emulsion Techniques for the Production of Pharmacological Nanoparticles. Macromolecular Bioscience, 2019, 19, e1900063. | 4.1 | 57 |
| 38 | Coreâ€“shell particles for drug-delivery, bioimaging, sensing, and tissue engineering. Biomaterials Science, 2020, 8, 2756-2770. | 5.4 | 57 |
| 39 | Preparation of Nylon 6 Nanoparticles and Nanocapsules by Two Novel Miniemulsion/Solvent Displacement Hybrid Techniques. Macromolecular Chemistry and Physics, 2007, 208, 457-466. | 2.2 | 56 |
| 40 | Wellâ€Defined Nanofibers with Tunable Morphology from Spherical Colloidal Building Blocks. Angewandte Chemie - International Edition, 2013, 52, 10107-10111. | 13.8 | 56 |
| 41 | pH-Sensitive Polymer Conjugates for Anticorrosion and Corrosion Sensing. ACS Applied Materials & Interfaces, 2018, 10, 20876-20883. | 8.0 | 56 |
| 42 | Phase behavior of binary mixtures of block copolymers and a non-solvent in miniemulsion droplets as single and double nanoconfinement. Soft Matter, 2011, 7, 10219. | 2.7 | 55 |
| 43 | Synthesis of polymer particles and nanocapsules stabilized with PEO/PPO containing polymerizable surfactants in miniemulsion. Colloid and Polymer Science, 2006, 284, 780-787. | 2.1 | 53 |
| 44 | Nanocontainers in and onto Nanofibers. Accounts of Chemical Research, 2016, 49, 816-823. | 15.6 | 50 |
| 45 | Fluorescence Correlation Spectroscopy Directly Monitors Coalescence During Nanoparticle Preparation. Nano Letters, 2012, 12, 6012-6017. | 9.1 | 49 |
| 46 | Synergistic Anticancer Therapy by Ovalbumin Encapsulationâ€Enabled Tandem Reactive Oxygen Species Generation. Angewandte Chemie - International Edition, 2020, 59, 20008-20016. | 13.8 | 48 |
| 47 | Adaptive Coatings with Anticorrosion and Antibiofouling Properties. Advanced Functional Materials, 2021, 31, 2102568. | 14.9 | 48 |
| 48 | Recent Advances in the Emulsion Solvent Evaporation Technique for the Preparation of Nanoparticles and Nanocapsules. Advances in Polymer Science, 2013, , 329-344. | 0.8 | 47 |
| 49 | Double Redox-Responsive Release of Encoded and Encapsulated Molecules from Patchy Nanocapsules. Small, 2015, 11, 2995-2999. | 10.0 | 47 |
| 50 | CO2 responsive reversible aggregation of nanoparticles and formation of nanocapsules with an aqueous core. Soft Matter, 2012, 8, 11687. | 2.7 | 46 |
| 51 | Facile and Largeâ€Scale Fabrication of Anisometric Particles from Fibers Synthesized by Colloidâ€Electrospinning. Small, 2012, 8, 144-153. | 10.0 | 46 |
| 52 | Encapsulation and Release of Essential Oils in Functional Silica Nanocontainers. Langmuir, 2018, 34, 13235-13243. | 3.5 | 42 |
| 53 | Fabrication of Polymer Ellipsoids by the Electrospinning of Swollen Nanoparticles. ACS Macro Letters, 2012, 1, 907-909. | 4.8 | 41 |
| 54 | Visible light active nanofibrous membrane for antibacterial wound dressing. Nanoscale Horizons, 2018, 3, 439-446. | 8.0 | 41 |

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| 55 | Versatile functionalization of polymer nanoparticles with carbonate groups via hydroxyurethane linkages. Polymer Chemistry, 2019, 10, 3571-3584. | 3.9 | 41 |
| 56 | Copolymers Structures Tailored for the Preparation of Nanocapsules. Macromolecules, 2013, 46, 573-579. | 4.8 | 40 |
| 57 | A triblock terpolymer vs. blends of diblock copolymers for nanocapsules addressed by three independent stimuli. Polymer Chemistry, 2016, 7, 3434-3443. | 3.9 | 39 |
| 58 | Functional materials generated by allying cyclodextrin-based supramolecular chemistry with living polymerization. Polymer Chemistry, 2019, 10, 3674-3711. | 3.9 | 39 |
| 59 | Functional Colloidal Stabilization. Advanced Materials Interfaces, 2017, 4, 1600443. | 3.7 | 38 |
| 60 | Effects of siloxane plasma coating on the frictional properties of polyester and polyamide fabrics. Surface and Coatings Technology, 2009, 204, 165-171. | 4.8 | 37 |
| 61 | Tunable release of hydrophilic compounds from hydrophobic nanostructured fibers prepared by emulsion electrospinning. Polymer, 2015, 66, 268-276. | 3.8 | 37 |
| 62 | Nanosensors for Monitoring Early Stages of Metallic Corrosion. ACS Applied Nano Materials, 2019, 2, 812-818. | 5.0 | 35 |
| 63 | Tailoring nanoarchitectonics to control the release profile of payloads. Nanoscale, 2016, 8, 11511-11517. | 5.6 | 33 |
| 64 | Polymer Janus Nanoparticles with Two Spatially Segregated Functionalizations. Macromolecules, 2014, 47, 7194-7199. | 4.8 | 32 |
| 65 | Fighting corrosion with stimuli-responsive polymer conjugates. Chemical Communications, 2020, 56, 11931-11940. | 4.1 | 32 |
| 66 | Mapping the heterogeneity of protein corona by ex vivo magnetic levitation. Nanoscale, 2020, 12, 2374-2383. | 5.6 | 31 |
| 67 | The pro-active payload strategy significantly increases selective release from mesoporous nanocapsules. Journal of Controlled Release, 2016, 242, 119-125. | 9.9 | 29 |
| 68 | Nanocarrier for Oral Peptide Delivery Produced by Polyelectrolyte Complexation in Nanoconfinement. Biomacromolecules, 2015, 16, 2282-2287. | 5.4 | 28 |
| 69 | Degradable polyprodrugs: design and therapeutic efficiency. Chemical Society Reviews, 2022, 51, 6652-6703. | 38.1 | 28 |
| 70 | Unconventional Nonâ€Aqueous Emulsions for the Encapsulation of a Phototriggerable NOâ€Donor Complex in Polymer Nanoparticles. Particle and Particle Systems Characterization, 2013, 30, 138-142. | 2.3 | 27 |
| 71 | Precursor-controlled and template-free synthesis of nitrogen-doped carbon nanoparticles for supercapacitors. RSC Advances, 2015, 5, 50063-50069. | 3.6 | 27 |
| 72 | Responsive Colloidosomes with Triple Function for Anticorrosion. ACS Applied Materials & Interfaces, 2020, 12, 42129-42139. | 8.0 | 27 |

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| 73 | Polyoxomolybdate-based selective membranes for chemical protection. Journal of Membrane Science, 2011, 373, 196-201. | 8.2 | 26 |
| 74 | Silica nanocapsules for redox-responsive delivery. Colloid and Polymer Science, 2014, 292, 251-255. | 2.1 | 26 |
| 75 | Chemical encoding of amphiphilic copolymers for a dual controlled release from their assemblies. Polymer Chemistry, 2015, 6, 5596-5601. | 3.9 | 26 |
| 76 | Controlling protein interactions in blood for effective liver immunosuppressive therapy by silica nanocapsules. Nanoscale, 2020, 12, 2626-2637. | 5.6 | 26 |
| 77 | Preparation and Characterization of Anisotropic Submicron Particles From Semicrystalline Polymers. Macromolecular Chemistry and Physics, 2012, 213, 351-358. | 2.2 | 25 |
| 78 | Hemiaminal ether linkages provide a selective release of payloads from polymer conjugates. Chemical Communications, 2018, 54, 13730-13733. | 4.1 | 25 |
| 79 | Redoxâ€Responsive Polymer with Selfâ€Immolative Linkers for the Release of Payloads. Macromolecular Rapid Communications, 2018, 39, e1800071. | 3.9 | 25 |
| 80 | Synergy between polymer crystallinity and nanoparticles size for payloads release. Journal of Colloid and Interface Science, 2019, 550, 139-146. | 9.4 | 25 |
| 81 | Controlling release kinetics of pH-responsive polymer nanoparticles. Polymer Chemistry, 2020, 11, 1752-1762. | 3.9 | 25 |
| 82 | Synthesis and characterization of temperatureâ€responsive copolymers based on Nâ€vinylcaprolactam and their grafting on fibres. Polymer International, 2009, 58, 1326-1334. | 3.1 | 24 |
| 83 | Ultrasmall Nanocapsules Obtained by Controlling Ostwald Ripening. Angewandte Chemie - International Edition, 2021, 60, 18094-18102. | 13.8 | 24 |
| 84 | Surface-Functionalized Particles: From their Design and Synthesis to Materials Science and Bio-Applications. Current Organic Chemistry, 2013, 17, 900-912. | 1.6 | 24 |
| 85 | Molecular Exchange Kinetics of Diblock Copolymer Micelles Monitored by Fluorescence Correlation Spectroscopy. ACS Macro Letters, 2014, 3, 428-432. | 4.8 | 23 |
| 86 | Janus nanoparticles with both faces selectively functionalized for click chemistry. Polymer Chemistry, 2014, 5, 4097. | 3.9 | 22 |
| 87 | Versatile Preparation of Silica Nanocapsules for Biomedical Applications. Particle and Particle Systems Characterization, 2020, 37, 1900484. | 2.3 | 22 |
| 88 | Elongated polystyrene spheres as resonant building blocks in anisotropic colloidal crystals. Soft Matter, 2013, 9, 9129. | 2.7 | 21 |
| 89 | Reversible Redox-Responsive Assembly/Disassembly of Nanoparticles Mediated by Metal Complex Formation. Chemistry of Materials, 2014, 26, 1300-1302. | 6.7 | 21 |
| 90 | Polymer patchy colloids with sticky patches. Polymer Chemistry, 2014, 5, 365-371. | 3.9 | 21 |

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| 91 | Amino acid-based poly(ester amide) nanofibers for tailored enzymatic degradation prepared by miniemulsion-electrospinning. RSC Advances, 2015, 5, 55006-55014. | 3.6 | 20 |
| 92 | Design and Control of Nanoconfinement to Achieve Magnetic Resonance Contrast Agents with High Relaxivity. Advanced Healthcare Materials, 2016, 5, 567-574. | 7.6 | 20 |
| 93 | Polymer conjugates for dual functions of reporting and hindering corrosion. Polymer, 2020, 194, 122346. | 3.8 | 20 |
| 94 | Reâ€dispersible Anisotropic and Structured Nanoparticles: Formation and Their Subsequent Shape Change. Macromolecular Chemistry and Physics, 2012, 213, 829-838. | 2.2 | 19 |
| 95 | Self-Healing for Anticorrosion Based on Encapsulated Healing Agents. Advances in Polymer Science, 2016, , 219-245. | 0.8 | 19 |
| 96 | Osmotic pressure-dependent release profiles of payloads from nanocontainers by co-encapsulation of simple salts. Nanoscale, 2016, 8, 12998-13005. | 5.6 | 19 |
| 97 | Sequence-Controlled Delivery of Peptides from Hierarchically Structured Nanomaterials. ACS Applied Materials & Interfaces, 2017, 9, 3885-3894. | 8.0 | 19 |
| 98 | Halochromic Polymer Nanosensors for Simple Visual Detection of Local pH in Coatings. Nano Letters, 2021, 21, 3604-3610. | 9.1 | 19 |
| 99 | Nanoparticles of aromatic biopolymers catalyze CO<sub>2</sub> cycloaddition to epoxides under atmospheric conditions. Sustainable Energy and Fuels, 2021, 5, 5431-5444. | 4.9 | 19 |
| 100 | New possibilities for materials science with STED microscopy. Micron, 2012, 43, 583-588. | 2.2 | 18 |
| 101 | Redox-responsive release of active payloads from depolymerized nanoparticles. RSC Advances, 2017, 7, 8272-8279. | 3.6 | 18 |
| 102 | Programming pH-responsive release of two payloads from dextran-based nanocapsules. Carbohydrate Polymers, 2019, 217, 217-223. | 10.2 | 18 |
| 103 | One-Step Preparation of Fuel-Containing Anisotropic Nanocapsules with Stimuli-Regulated Propulsion. ACS Nano, 2020, 14, 498-508. | 14.6 | 18 |
| 104 | Nanonetwork Composite Coating for Sensing and Corrosion Inhibition. Advanced Materials Interfaces, 2020, 7, 2001073. | 3.7 | 18 |
| 105 | Polymers with Hemiaminal Ether Linkages for pH-Responsive Antibacterial Materials. ACS Macro Letters, 2021, 10, 365-369. | 4.8 | 18 |
| 106 | Modulating Protein Corona and Materialsâ€“Cell Interactions with Temperatureâ€Responsive Materials. Advanced Functional Materials, 2022, 32, . | 14.9 | 18 |
| 107 | Qualitative sensing of mechanical damage by a fluorogenic â€œclickâ€•reaction. Chemical Communications, 2016, 52, 11076-11079. | 4.1 | 17 |
| 108 | Crystallinity Tunes Permeability of Polymer Nanocapsules. Macromolecules, 2017, 50, 4725-4732. | 4.8 | 17 |

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| 109 | The structure of fibers produced by colloid-electrospinning depends on the aggregation state of particles in the electrospinning feed. Polymer, 2017, 127, 101-105. | 3.8 | 17 |
| 110 | Polymer-corrosion inhibitor conjugates as additives for anticorrosion application. Progress in Organic Coatings, 2022, 163, 106639. | 3.9 | 17 |
| 111 | Synthesis of hydrophilic polyurethane particles in non-aqueous inverse miniemulsions. Colloid and Polymer Science, 2011, 289, 1111-1117. | 2.1 | 16 |
| 112 | Recent advances in polymerizations in dispersed media. Advances in Colloid and Interface Science, 2018, 260, 24-31. | 14.7 | 16 |
| 113 | A straightforward synthesis of fluorescent and temperatureâ€responsive nanogels. Journal of Polymer Science Part A, 2012, 50, 1043-1048. | 2.3 | 15 |
| 114 | Chemical Routes Toward Multicompartment Colloids. Macromolecular Chemistry and Physics, 2012, 213, 1183-1189. | 2.2 | 15 |
| 115 | Dual-compartment nanofibres: separation of two highly reactive components in close vicinity. RSC Advances, 2015, 5, 97477-97484. | 3.6 | 15 |
| 116 | Oligo(thioetherâ€ester)s Blocks in Polyurethanes for Slowly Releasing Active Payloads. Macromolecular Chemistry and Physics, 2018, 219, 1800392. | 2.2 | 15 |
| 117 | Chitosan Nanocapsules for pHâ€Triggered Dual Release Based on Corrosion Inhibitors as Model Study. Particle and Particle Systems Characterization, 2018, 35, 1800086. | 2.3 | 15 |
| 118 | Facile Phaseâ€Separation Approach to Encapsulate Functionalized Polymers in Coreâ€“Shell Nanoparticles. Macromolecular Chemistry and Physics, 2014, 215, 198-204. | 2.2 | 14 |
| 119 | Design of Nanostructured Protective Coatings with a Sensing Function. ACS Applied Materials & Interfaces, 2021, 13, 53046-53054. | 8.0 | 14 |
| 120 | Controlled surface mineralization of metal oxides on nanofibers. RSC Advances, 2015, 5, 37340-37345. | 3.6 | 13 |
| 121 | Multifunctional clickable and protein-repellent magnetic silica nanoparticles. Nanoscale, 2016, 8, 3019-3030. | 5.6 | 13 |
| 122 | Highly Loaded Semipermeable Nanocapsules for Magnetic Resonance Imaging. Macromolecular Bioscience, 2018, 18, e1700387. | 4.1 | 13 |
| 123 | Regulating Payload Release from Hybrid Nanocapsules with Dual Silica/Polycaprolactone Shells. Langmuir, 2019, 35, 11389-11396. | 3.5 | 13 |
| 124 | Morphology and visible photoluminescence modulation in dye-free mesoporous silica nanoparticles using a simple calcination step. Materials Research Bulletin, 2022, 152, 111842. | 5.2 | 13 |
| 125 | Temperature responsive copolymers of Nâ€vinylcaprolactam and di(ethylene glycol) methyl ether methacrylate and their interactions with drugs. Journal of Polymer Science Part A, 2013, 51, 3308-3313. | 2.3 | 12 |
| 126 | Combining the Best of Two Worlds: Nanoparticles and Nanofibers. Chemistry - an Asian Journal, 2014, 9, 2030-2035. | 3.3 | 12 |

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| 127 | Fluorescence Correlation Spectroscopy in Dilute Polymer Solutions: Effects of Molar Mass Dispersity and the Type of Fluorescent Labeling. ACS Macro Letters, 2015, 4, 171-176. | 4.8 | 12 |
| 128 | Inflammation-responsive nanocapsules for the dual-release of antibacterial drugs. Chemical Communications, 2020, 56, 12725-12728. | 4.1 | 12 |
| 129 | Tin(IV) Oxide Coatings from Hybrid Organotin/Polymer Nanoparticles. ACS Applied Materials & Interfaces, 2011, 3, 4292-4298. | 8.0 | 11 |
| 130 | Dual-responsive multicompartment nanofibers for controlled release of payloads. RSC Advances, 2016, 6, 43767-43770. | 3.6 | 11 |
| 131 | STED Analysis of Droplet Deformation during Emulsion Electrospinning. Macromolecular Chemistry and Physics, 2017, 218, 1600547. | 2.2 | 11 |
| 132 | Encapsulation and Release of Functional Nanodroplets Entrapped in Nanofibers. Small, 2018, 14, e1704527. | 10.0 | 11 |
| 133 | On the Role of Trigger Signal Spreading Velocity for Efficient Self-Healing Coatings for Corrosion Protection. Journal of the Electrochemical Society, 2018, 165, C1017-C1027. | 2.9 | 11 |
| 134 | PEGylation of shellac-based nanocarriers for enhanced colloidal stability. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110434. | 5.0 | 11 |
| 135 | Acid-cleavable polymers for simultaneous fast and slow release of functional molecules. Polymer Chemistry, 2020, 11, 4723-4728. | 3.9 | 11 |
| 136 | Self-reporting of payload release in polymer coatings based on the inner filter effect. Polymer Chemistry, 2020, 11, 1462-1470. | 3.9 | 11 |
| 137 | Tattooing Plastics with Reversible and Irreversible Encryption. Advanced Science, 2020, 7, 1903785. | 11.2 | 11 |
| 138 | Biodegradable Harmonophores for Targeted High-Resolution In Vivo Tumor Imaging. ACS Nano, 2021, 15, 4144-4154. | 14.6 | 11 |
| 139 | Redefining the functions of nanocapsule materials. Nanoscale Horizons, 2016, 1, 268-271. | 8.0 | 10 |
| 140 | Nanofibrous photocatalysts from electrospun nanocapsules. Nanotechnology, 2017, 28, 405601. | 2.6 | 10 |
| 141 | Shining a new light on the structure of polyurea/polyurethane materials. Polymer Chemistry, 2021, 12, 3893-3899. | 3.9 | 9 |
| 142 | A new generation of ultralight thermochromic indicators based on temperature induced gas release. Journal of Materials Chemistry, 2011, 21, 17392. | 6.7 | 8 |
| 143 | Anisotropic Supports in Metalloceneâ€Catalyzed Polymerizations: Templates to Obtain Polyolefin Fibers. Macromolecular Materials and Engineering, 2014, 299, 1155-1162. | 3.6 | 8 |
| 144 | Control of the release of functional payloads from redox-responsive nanocapsules. RSC Advances, 2016, 6, 104330-104337. | 3.6 | 8 |

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|---|---|---|---|
| 145 | pH-Responsive nanocapsules from silylated copolymers. Polymer Chemistry, 2016, 7, 4330-4333. | 3.9 | 8 |
| 146 | Breaking Nano-Spaghetti: Bending and Fracture Tests of Nanofibers. Langmuir, 2016, 32, 1389-1395. | 3.5 | 8 |
| 147 | Photocatalytic degradation of pesticides by nanofibrous membranes fabricated by colloid-electrospinning. Nanotechnology, 2020, 31, 215603. | 2.6 | 8 |
| 148 | Temperatureâ€Responsive Nanoparticles Enable Specific Binding of Apolipoproteins from Human Plasma. Small, 2022, 18, e2103138. | 10.0 | 8 |
| 149 | End-of-life indicators based on temperature switchable nanobombs. Journal of Materials Chemistry, 2012, 22, 9909. | 6.7 | 7 |
| 150 | Transparent and airtight silica nano- and microchannels with uniform tubular cross-section. Soft Matter, 2013, 9, 9824. | 2.7 | 7 |
| 151 | Encapsulation of emulsion droplets and nanoparticles in nanofibers as sustainable approach for their transport and storage. Journal of Colloid and Interface Science, 2020, 577, 199-206. | 9.4 | 7 |
| 152 | Compatibility between Drugs and Polymer in Nanoparticles Produced by the Miniemulsionâ€Solvent Evaporation Technique. Macromolecular Materials and Engineering, 2021, 306, 2100102. | 3.6 | 7 |
| 153 | Dual-Responsive Polymer Conjugates with Enhanced Anticorrosion Performance. ACS Applied Polymer Materials, 0, , . | 4.4 | 7 |
| 154 | Marrying the incompatible for better: Incorporation of hydrophobic payloads in superhydrophilic hydrogels. Journal of Colloid and Interface Science, 2022, 622, 75-86. | 9.4 | 6 |
| 155 | From coreâ€“shell and Janus structures to tricompartment submicron particles. Polymer, 2014, 55, 715-720. | 3.8 | 5 |
| 156 | Suppressing non-controlled leakage of hydrophilic payloads from redox-responsive nanocapsules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 2-7. | 4.7 | 5 |
| 157 | Encoding materials for programming a temporal sequence of actions. Journal of Materials Chemistry B, 2018, 6, 1433-1448. | 5.8 | 5 |
| 158 | Encapsulation of polyprodrugs enables an efficient and controlled release of dexamethasone. Nanoscale Horizons, 2021, 6, 791-800. | 8.0 | 5 |
| 159 | Tuning the Hydrolytic Behavior of Hydroxyquinoline Derivatives for Anticorrosion Applications. Chemistry of Materials, 2022, 34, 2842-2852. | 6.7 | 5 |
| 160 | Controlling Release Kinetics of Payloads from Polymer Conjugates by Hydrophobicity. Macromolecular Chemistry and Physics, 2019, 220, 1900236. | 2.2 | 4 |
| 161 | Synergistic Anticancer Therapy by Ovalbumin Encapsulationâ€Enabled Tandem Reactive Oxygen Species Generation. Angewandte Chemie, 2020, 132, 20183-20191. | 2.0 | 4 |
| 162 | Phthalocyanine and encapsulated polyaniline nanoparticles as fillers for dielectric elastomers. , 2009, , . | | 3 |

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| 163 | Size-Dependent Self-Assembly of Anisotropic Silica-Coated Hybrid Nanoparticles. Macromolecular Chemistry and Physics, 2015, 216, 2070-2079. | 2.2 | 3 |
| 164 | Stabilization of Inverse Miniemulsions by Silyl-Protected Homopolymers. Polymers, 2016, 8, 303. | 4.5 | 3 |
| 165 | pH-Responsive Nanofibers for Precise and Sequential Delivery of Multiple Payloads. ACS Applied Bio Materials, 2019, 2, 4283-4290. | 4.6 | 3 |
| 166 | From In Silico to Experimental Validation: Tailoring Peptide Substrates for a Serine Protease. Biomacromolecules, 2020, 21, 1636-1643. | 5.4 | 3 |
| 167 | Monitoring the hygrothermal response of poly(vinyl methyl ether) submicron films using AFM. European Polymer Journal, 2012, 48, 209-216. | 5.4 | 2 |
| 168 | The Cushion Method: A New Technique for the Recovery of Hydrophilic Nanocarriers. Langmuir, 2016, 32, 13669-13674. | 3.5 | 2 |
| 169 | Nanocapsules with excellent biocompatibility and stability in protein solutions. Biomaterials Science, 2021, 9, 5781-5784. | 5.4 | 2 |
| 170 | Coatings with green corrosion-responsive conjugates. Journal of Industrial and Engineering Chemistry, 2021, 97, 500-505. | 5.8 | 2 |
| 171 | <scp>Stimuliâ€responsive</scp> polymeric additives for anticorrosion. Journal of Applied Polymer Science, 2022, 139, 51730. | 2.6 | 2 |
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