# Felix H Schacher

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 191 papers | 7,910 citations | 71102 41 h-index | 62596 80 g-index |
| 199 all docs | 199 docs citations | 199 times ranked | 9177 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Functional Block Copolymers: Nanostructured Materials with Emerging Applications. Angewandte Chemie - International Edition, 2012, 51, 7898-7921. | 13.8 | 627 |
| 2 | Guided hierarchical co-assembly of soft patchy nanoparticles. Nature, 2013, 503, 247-251. | 27.8 | 573 |
| 3 | Precise hierarchical self-assembly of multicompartment micelles. Nature Communications, 2012, 3, 710. | 12.8 | 504 |
| 4 | Selfâ€Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. Advanced Materials, 2013, 25, 1634-1638. | 21.0 | 319 |
| 5 | Nacre-mimetics with synthetic nanoclays up to ultrahigh aspect ratios. Nature Communications, 2015, 6, 5967. | 12.8 | 252 |
| 6 | Micellar interpolyelectrolyte complexes. Chemical Society Reviews, 2012, 41, 6888. | 38.1 | 221 |
| 7 | Selfâ€Supporting, Double Stimuliâ€Responsive Porous Membranes From Polystyreneâ€blockâ€poly(N,Nâ€dimethylaminoethyl methacrylate) Diblock Copolymers. Advanced Functional Materials, 2009, 19, 1040-1045. | 14.9 | 162 |
| 8 | Mechanical Performance of Macrofibers of Cellulose and Chitin Nanofibrils Aligned by Wet-Stretching: A Critical Comparison. Biomacromolecules, 2014, 15, 2709-2717. | 5.4 | 154 |
| 9 | Synthesis, Characterization, and Applications of Magnetic Nanoparticles Featuring Polyzwitterionic Coatings. Polymers, 2018, 10, 91. | 4.5 | 147 |
| 10 | Water-Resistant, Transparent Hybrid Nanopaper by Physical Cross-Linking with Chitosan. Biomacromolecules, 2015, 16, 1062-1071. | 5.4 | 130 |
| 11 | Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. Polymer Chemistry, 2013, 4, 4966. | 3.9 | 119 |
| 12 | Intentional formation of a protein corona on nanoparticles: Serum concentration affects protein corona mass, surface charge, and nanoparticleâ€“cell interaction. International Journal of Biochemistry and Cell Biology, 2016, 75, 196-202. | 2.8 | 118 |
| 13 | Selfâ€Healing Materials via Reversible Crosslinking of Poly(ethylene oxide)â€Blockâ€Poly(furfuryl) Tj ETQq1 1 0.784314 rgBT /Ov<br>4921-4932. | 14.9 | 107 |
| 14 | Multicompartment Core Micelles of Triblock Terpolymers in Organic Media. Macromolecules, 2009, 42, 3540-3548. | 4.8 | 99 |
| 15 | Interpolyelectrolyte Complexes of Dynamic Multicompartment Micelles. ACS Nano, 2009, 3, 2095-2102. | 14.6 | 99 |
| 16 | Double Stimuli-Responsive Ultrafiltration Membranes from Polystyrene-block-poly(N,N-dimethylaminoethyl methacrylate) Diblock Copolymers. ACS Applied Materials & Interfaces, 2009, 1, 1492-1503. | 8.0 | 95 |
| 17 | Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. ACS Nano, 2013, 7, 4030-4041. | 14.6 | 82 |
| 18 | Polymer/zinc hybrid-flow battery using block copolymer micelles featuring a TEMPO corona as catholyte. Polymer Chemistry, 2016, 7, 1711-1718. | 3.9 | 81 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Correlation between scratch healing and rheological behavior for terpyridine complex based metallopolymers. Journal of Materials Chemistry A, 2015, 3, 22145-22153. | 10.3 | 79 |
| 20 | Colloidal Ionic Assembly between Anionic Native Cellulose Nanofibrils and Cationic Block Copolymer Micelles into Biomimetic Nanocomposites. Biomacromolecules, 2011, 12, 2074-2081. | 5.4 | 78 |
| 21 | Multicompartment Micelles with Adjustable Poly(ethylene glycol) Shell for Efficient in Vivo Photodynamic Therapy. ACS Nano, 2014, 8, 1161-1172. | 14.6 | 78 |
| 22 | Dynamic Multicompartment-Core Micelles in Aqueous Media. Langmuir, 2009, 25, 10962-10969. | 3.5 | 76 |
| 23 | Dual stimuli-responsive multicompartment micelles from triblock terpolymers with tunable hydrophilicity. Soft Matter, 2011, 7, 8880. | 2.7 | 75 |
| 24 | Supramolecular three-armed star polymers via cyclodextrin hostâ€“guest self-assembly. Polymer Chemistry, 2012, 3, 3139. | 3.9 | 74 |
| 25 | Cylindrical crystalline-core micelles: pushing the limits of solution self-assembly. Soft Matter, 2013, 9, 2101-2107. | 2.7 | 66 |
| 26 | Self-healing response in supramolecular polymers based on reversible zincâ€“histidine interactions. Polymer, 2015, 69, 274-282. | 3.8 | 66 |
| 27 | Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. Chemistry of Materials, 2010, 22, 2626-2634. | 6.7 | 63 |
| 28 | Probing the Scope of Crystallization-Driven Living Self-Assembly: Studies of Diblock Copolymer Micelles with a Polyisoprene Corona and a Crystalline Poly(ferrocenyldiethylsilane) Core-Forming Metalloblock. Macromolecules, 2011, 44, 3777-3786. | 4.8 | 63 |
| 29 | A Paradigm Change: Efficient Transfection of Human Leukemia Cells by Stimuli-Responsive Multicompartment Micelles. ACS Nano, 2013, 7, 9621-9631. | 14.6 | 63 |
| 30 | Synthesis, characterization, and bulk crosslinking of polybutadiene-block-poly(2-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (pyri | 3.8 | 60 |
| 31 | Hidden Structural Features of Multicompartment Micelles Revealed by Cryogenic Transmission Electron Tomography. ACS Nano, 2014, 8, 11330-11340. | 14.6 | 56 |
| 32 | Block Copolymer Selfâ€Assembly in Solutionâ€”Quo Vadis?. Chemistry - an Asian Journal, 2018, 13, 230-239. | 3.3 | 55 |
| 33 | Template-Directed Synthesis of Hybrid Titania Nanowires within Coreâ^'Shell Bishydrophilic Cylindrical Polymer Brushes. Chemistry of Materials, 2009, 21, 4146-4154. | 6.7 | 53 |
| 34 | Formation of Lenticular Platelet Micelles via the Interplay of Crystallization and Chain Stretching: Solution Self-Assembly of Poly(ferrocenyldimethylsilane)-block-poly(2-vinylpyridine) with a Crystallizable Core-Forming Metalloblock. Macromolecules, 2012, 45, 3883-3891. | 4.8 | 52 |
| 35 | Poly(ethylene oxide) (PEO)-based ABC triblock terpolymers â€“ synthetic complexity vs. application benefits. Polymer Chemistry, 2014, 5, 2647-2662. | 3.9 | 52 |
| 36 | Alignment of Tellurium Nanorods via a Magnetizationâ^'Alignmentâ^' Demagnetization (â€œMADâ€) Process Assisted by an External Magnetic Field. ACS Nano, 2009, 3, 1441-1450. | 14.6 | 48 |

| # | Article | IF | Citations |
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| 37 | Towards Nanoporous Membranes based on ABC Triblock Terpolymers. Small, 2007, 3, 1056-1063. | 10.0 | 47 |
| 38 | New Block Copolymers with Poly(N,Nâ€dimethylaminoethyl methacrylate) as a Double Stimuliâ€Responsive Block. Macromolecular Chemistry and Physics, 2009, 210, 256-262. | 2.2 | 46 |
| 39 | Homoâ€and diblock copolymers of poly(furfuryl glycidyl ether) by living anionic polymerization: Toward reversibly coreâ€crosslinked micelles. Journal of Polymer Science Part A, 2012, 50, 4958-4965. | 2.3 | 44 |
| 40 | Evolution of Microphase Separation with Variations of Segments of Sequence-Controlled Multiblock Copolymers. Macromolecules, 2017, 50, 7380-7387. | 4.8 | 44 |
| 41 | Bis-Hydrophilic Block Terpolymers via RAFT Polymerization: Toward Dynamic Micelles with Tunable Corona Properties. Macromolecules, 2008, 41, 8608-8619. | 4.8 | 42 |
| 42 | Controlling Aqueous Selfâ€Assembly Mechanisms by Hydrophobic Interactions. Chemistry - A European Journal, 2014, 20, 13871-13875. | 3.3 | 42 |
| 43 | Lightâ€Induced Water Splitting Causes Highâ€Amplitude Oscillation of pHâ€Sensitive Layerâ€byâ€Layer Assemblies on TiO<sub>2</sub>. Angewandte Chemie - International Edition, 2016, 55, 13001-13004. | 13.8 | 42 |
| 44 | Core-crosslinked compartmentalized cylinders. Nanoscale, 2011, 3, 288-297. | 5.6 | 41 |
| 45 | Hybrid Fe3O4@amino cellulose nanoparticles in organic media â€“ Heterogeneous ligands for atom transfer radical polymerizations. Journal of Colloid and Interface Science, 2013, 390, 25-33. | 9.4 | 41 |
| 46 | Star-Shaped Drug Carriers for Doxorubicin with POEGMA and POEtOxMA Brush-like Shells: A Structural, Physical, and Biological Comparison. Biomacromolecules, 2013, 14, 2536-2548. | 5.4 | 40 |
| 47 | Easy Access to Amphiphilic Heterografted Poly(2-oxazoline) Comb Copolymers. Macromolecules, 2013, 46, 5107-5116. | 4.8 | 40 |
| 48 | The Selfâ€Healing Potential of Triazoleâ€Pyridineâ€Based Metallopolymers. Macromolecular Rapid Communications, 2015, 36, 604-609. | 3.9 | 37 |
| 49 | A Metal Salt Dependent Self-Healing Response in Supramolecular Block Copolymers. Macromolecules, 2016, 49, 8418-8429. | 4.8 | 37 |
| 50 | Rod-Like Nanoparticles with Striped and Helical Topography. ACS Macro Letters, 2016, 5, 1185-1190. | 4.8 | 35 |
| 51 | Photocatalytic Hydrogen Evolution Driven by [FeFe] Hydrogenase Models Tethered to Fluorene and Silafluorene Sensitizers. Chemistry - A European Journal, 2017, 23, 334-345. | 3.3 | 34 |
| 52 | Reversible Electrostatic Adsorption of Polyelectrolytes and Bovine Serum Albumin onto Polyzwitterion-Coated Magnetic Multicore Nanoparticles: Implications for Sensing and Drug Delivery. ACS Applied Nano Materials, 2018, 1, 232-244. | 5.0 | 34 |
| 53 | Calcium Phosphate Mineralization beneath a Polycationic Monolayer at the Airâ€“Water Interface. Macromolecular Bioscience, 2010, 10, 1084-1092. | 4.1 | 33 |
| 54 | Amphiphilic block copolymers featuring a reversible hetero Diels-Alder linkage. Polymer Chemistry, 2014, 5, 5330-5338. | 3.9 | 33 |

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| 55 | Poly(thiolactone) homo- and copolymers from maleimide thiolactone: synthesis and functionalization. Polymer Chemistry, 2015, 6, 4240-4251. | 3.9 | 33 |
| 56 | Contributions of hard and soft blocks in the self-healing of metal-ligand-containing block copolymers. European Polymer Journal, 2017, 93, 417-427. | 5.4 | 33 |
| 57 | Amphiphilic star-shaped block copolymers as unimolecular drug delivery systems: investigations using a novel fungicide. Soft Matter, 2013, 9, 715-726. | 2.7 | 32 |
| 58 | Synthesis and crystallization-driven solution self-assembly of polyferrocenylsilane diblock copolymers with polymethacrylate corona-forming blocks. Polymer Chemistry, 2014, 5, 1923-1929. | 3.9 | 32 |
| 59 | Dye-sensitized PS- b -P2VP-templated nickel oxide films for photoelectrochemical applications. Interface Focus, 2015, 5, 20140083. | 3.0 | 32 |
| 60 | Switching the Stiffness of Polyelectrolyte Assembly by Light to Control Behavior of Supported Cells. Macromolecular Bioscience, 2016, 16, 1422-1431. | 4.1 | 32 |
| 61 | Long-term stable poly(ionic liquid)/MWCNTs inks enable enhanced surface modification for electrooxidative detection and quantification of dsDNA. Polymer, 2019, 168, 95-103. | 3.8 | 32 |
| 62 | Preparation of Core-Shell Hybrid Materials by Producing a Protein Corona Around Magnetic Nanoparticles. Nanoscale Research Letters, 2015, 10, 992. | 5.7 | 31 |
| 63 | Controlling Electronic Transitions in Fullerene van der Waals Aggregates via Supramolecular Assembly. ACS Applied Materials & Interfaces, 2016, 8, 21512-21521. | 8.0 | 31 |
| 64 | Double-layered micellar interpolyelectrolyte complexesâ€"how many shells to a core?. Soft Matter, 2011, 7, 1714-1725. | 2.7 | 30 |
| 65 | Sequential pHâ€Dependent Adsorption of Ionic Amphiphilic Diblock Copolymer Micelles and Choline Oxidase Onto Conductive Substrates: Toward the Design of Biosensors. Macromolecular Bioscience, 2014, 14, 1039-1051. | 4.1 | 30 |
| 66 | Artificial Microbial Arenas: Materials for Observing and Manipulating Microbial Consortia. Advanced Materials, 2019, 31, 1900284. | 21.0 | 30 |
| 67 | Polyelectrolytes with Tunable Charge Based on Polydehydroalanine: Synthesis and Solution Properties. Macromolecular Chemistry and Physics, 2013, 214, 2202-2212. | 2.2 | 29 |
| 68 | SPION@polydehydroalanine hybrid particles. RSC Advances, 2015, 5, 31920-31929. | 3.6 | 29 |
| 69 | Toward Anisotropic Hybrid Materials: Directional Crystallization of Amphiphilic Polyoxazoline-Based Triblock Terpolymers. ACS Nano, 2015, 9, 10085-10098. | 14.6 | 29 |
| 70 | All-electrochemical nanocomposite two-electrode setup for quantification of drugs and study of their electrocatalytical conversion by cytochromes P450. Electrochimica Acta, 2020, 336, 135579. | 5.2 | 29 |
| 71 | Responsive Vesicles from the Selfâ€Assembly of Crystallineâ€Coil Polyferrocenylsilaneâ€blockâ€Poly(ethylene Oxide) Starâ€Block Copolymers. Chemistry - A European Journal, 2012, 18, 517-525. | 3.3 | 28 |
| 72 | Understanding and tuning the self-assembly of polyether-based triblock terpolymers in aqueous solution. Soft Matter, 2013, 9, 3509. | 2.7 | 28 |

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| 73 | Self-Assembly of Amphiphilic Triblock Terpolymers Mediated by Multifunctional Organic Acids: Vesicles, Toroids, and (Undulated) Ribbons. Macromolecules, 2014, 47, 1672-1683. | 4.8 | 28 |
| 74 | Cargoâ€“carrier interactions significantly contribute to micellar conformation and biodistribution. NPG Asia Materials, 2017, 9, e444-e444. | 7.9 | 28 |
| 75 | Facilitated biosensing via direct electron transfer of myoglobin integrated into diblock copolymer/multi-walled carbon nanotube nanocomposites. Journal of Materials Chemistry B, 2015, 3, 5467-5477. | 5.8 | 27 |
| 76 | Synthesis and Solution Properties of Double Hydrophilic Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (oxide)-block-poly( | 4.5 | 26 |
| 77 | POMbranes: polyoxometalate-functionalized block copolymer membranes for oxidation catalysis. Journal of Materials Chemistry A, 2017, 5, 15789-15796. | 10.3 | 26 |
| 78 | Small but Powerful: Co-Assembly of Polyether-Based Triblock Terpolymers into Sub-30 nm Micelles and Synergistic Effects on Cellular Interactions. Biomacromolecules, 2014, 15, 2426-2439. | 5.4 | 25 |
| 79 | Schizophrenic thermoresponsive block copolymer micelles based on LCST and UCST behavior in ethanolâ€“water mixtures. European Polymer Journal, 2015, 69, 460-471. | 5.4 | 25 |
| 80 | Selective crosslinking or addressing of individual domains within block copolymer nanostructures. European Polymer Journal, 2016, 80, 317-331. | 5.4 | 25 |
| 81 | Polymer Interfaces: Synthetic Strategies Enabling Functionality, Adaptivity, and Spatial Control. Macromolecules, 2016, 49, 5001-5016. | 4.8 | 25 |
| 82 | Micellization of Photo-Responsive Block Copolymers. Polymers, 2017, 9, 396. | 4.5 | 25 |
| 83 | Synthesis and Solution Self-Assembly of Poly(1,3-dioxolane). Macromolecules, 2019, 52, 3359-3366. | 4.8 | 25 |
| 84 | Block Copolymer Micellar Nanoreactors for the Directed Synthesis of ZnO Nanoparticles. Macromolecular Rapid Communications, 2010, 31, 729-734. | 3.9 | 24 |
| 85 | ATRP of tert-Butoxycarbonylaminomethyl acrylate (tBAMA): Well-Defined Precursors for Polyelectrolytes of Tunable Charge. Macromolecules, 2016, 49, 3696-3705. | 4.8 | 24 |
| 86 | Reversible Adsorption of Methylene Blue as Cationic Model Cargo onto Polyzwitterionic Magnetic Nanoparticles. Macromolecular Rapid Communications, 2018, 39, e1800017. | 3.9 | 23 |
| 87 | Phase Inversion Membranes from Amphiphilic Diblock Terpolymers. Advanced Materials Interfaces, 2015, 2, 1500042. | 3.7 | 22 |
| 88 | Amphiphilic and double hydrophilic block copolymers containing a polydehydroalanine block. Polymer Chemistry, 2017, 8, 936-945. | 3.9 | 22 |
| 89 | 3-Miktoarm Star Terpolymers via Janus Polymerization: One-Step Synthesis and Self-Assembly. Macromolecules, 2018, 51, 4938-4944. | 4.8 | 22 |
| 90 | Protein corona formation and its constitutional changes on magnetic nanoparticles in serum featuring a polydehydroalanine coating: effects of charge and incubation conditions. Nanotechnology, 2019, 30, 265707. | 2.6 | 22 |

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| 91 | Embedding molecular photosensitizers and catalysts in nanoporous block copolymer membranes for visible-light driven hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 6238-6244. | 10.3 | 22 |
| 92 | Micellar Interpolyelectrolyte Complexes with a Compartmentalized Shell. Macromolecules, 2013, 46, 6466-6474. | 4.8 | 21 |
| 93 | Dual Stimuli-Responsive P(NIPAAm-co-SPA) Copolymers: Synthesis and Response in Solution and in Films. Polymers, 2018, 10, 645. | 4.5 | 21 |
| 94 | Crystallization vs Metal Chelation: Solution Self-Assembly of Dual Responsive Block Copolymers. Macromolecules, 2020, 53, 5056-5067. | 4.8 | 21 |
| 95 | Hierarchical self-assembly of miktoarm star polymers containing aÂpolycationic segment: A general concept. Polymer, 2013, 54, 4528-4537. | 3.8 | 20 |
| 96 | Solution self-assembly of poly(ethylene oxide)-block-poly(furfuryl glycidyl ether)-block-poly(allyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 5, 6943-6956. | 3.9 | 20 |
| 97 | Facile photo-flow synthesis of branched poly(butyl acrylate)s. Reaction Chemistry and Engineering, 2017, 2, 479-486. | 3.7 | 20 |
| 98 | Double hydrophilic copolymers â€“ synthetic approaches, architectural variety, and current application fields. Chemical Society Reviews, 2022, 51, 995-1044. | 38.1 | 20 |
| 99 | Calcium phosphate growth beneath a polycationic monolayer at the airâ€“water interface: effects of oscillating surface pressure on mineralization. Nanoscale, 2010, 2, 2440. | 5.6 | 19 |
| 100 | A strong cationic BrÃ¸nsted acid, [H(OEt2)2][Al{OC(CF3)3}4], as an efficient initiator for the cationic ring-opening polymerization of 2-alkyl-2-oxazolines. Polymer Chemistry, 2013, 4, 495-505. | 3.9 | 19 |
| 101 | Electron Microscopy and Theoretical Modeling of Cochleates. Langmuir, 2014, 30, 13143-13151. | 3.5 | 19 |
| 102 | Photo-reversible bonding and cleavage of block copolymers. Polymer Chemistry, 2017, 8, 4038-4042. | 3.9 | 19 |
| 103 | Tetragonally Perforated Lamellae of Polybutadiene-block-poly(2-vinylpyridine)-block-poly(tert-butyl methacrylate) (BVT) Triblock Terpolymers in the Bulk: Preparation, Cross-Linking, and Dissolution. Macromolecules, 2012, 45, 7956-7963. | 4.8 | 18 |
| 104 | Crystal structure and chemical composition of biomimetic calcium phosphate nanofibers. RSC Advances, 2013, 3, 11301. | 3.6 | 18 |
| 105 | Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. Macromolecules, 2014, 47, 6289-6301. | 4.8 | 18 |
| 106 | Controlling Intermolecular Interactions at Interfaces: Case of Supramolecular Tuning of Fullerene's Electronic Structure. Advanced Energy Materials, 2018, 8, 1801737. | 19.5 | 18 |
| 107 | Poly(2-acrylamidoglycolic acid) (PAGA): Controlled Polymerization Using RAFT and Chelation of Metal Cations. Macromolecules, 2018, 51, 7284-7294. | 4.8 | 18 |
| 108 | Polyampholytic graft copolymers based on polydehydroalanine (PDha) â€“ synthesis, solution behavior and application as dispersants for carbon nanotubes. Polymer Chemistry, 2019, 10, 3006-3019. | 3.9 | 18 |

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| 109 | Synthesis and solution behaviour of dual light- and temperature-responsive poly(triethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf | 3.9 | 18 |
| 110 | Synthesis and Complexation of Well-Defined Labeled Poly(N,N-dimethylaminoethyl methacrylate)s (PDMAEMA). Polymers, 2015, 7, 2478-2493. | 4.5 | 17 |
| 111 | Weak Polyampholytes at the Interface of Magnetic Nanocarriers: A Facile Catch-and-Release Platform for Dyes. Langmuir, 2020, 36, 6095-6105. | 3.5 | 17 |
| 112 | Block Polypeptoids: Synthesis, Characterization, and Response Toward Irradiation with UV Light and Temperature. Macromolecules, 2020, 53, 5218-5226. | 4.8 | 17 |
| 113 | 1,7,9,10â€Tetrasubstituted PMIs Accessible through Decarboxylative Bromination: Synthesis, Characterization, Photophysical Studies, and Hydrogen Evolution Catalysis. Chemistry - A European Journal, 2021, 27, 4081-4088. | 3.3 | 16 |
| 114 | Going beyond the Surface: Revealing Complex Block Copolymer Morphologies with 3D Scanning Force Microscopy. ACS Nano, 2010, 4, 5609-5616. | 14.6 | 15 |
| 115 | Stimuli-responsive micellar interpolyelectrolyte complexes â€“ control of micelle dynamics via core crosslinking. Soft Matter, 2012, 8, 10167. | 2.7 | 15 |
| 116 | Bisâ€hydrophilic and functional triblock terpolymers based on polyethers: Synthesis and selfâ€assembly in solution. Journal of Polymer Science Part A, 2012, 50, 2914-2923. | 2.3 | 15 |
| 117 | Light-responsive terpolymers based on polymerizable photoacids. Polymer Chemistry, 2017, 8, 2959-2971. | 3.9 | 15 |
| 118 | Amphiphilic polyether-based block copolymers as crosslinkable ligands for Au-nanoparticles. Polymer Chemistry, 2015, 6, 5633-5642. | 3.9 | 14 |
| 119 | Polyampholytic Poly(dehydroalanine) Graft Copolymers as Smart Templates for pH-Controlled Formation of Alloy Nanoparticles. Macromolecules, 2020, 53, 4511-4523. | 4.8 | 14 |
| 120 | Effect of poly(acrylic acid) architecture on setting and mechanical properties of glass ionomer cements. Dental Materials, 2020, 36, 377-386. | 3.5 | 14 |
| 121 | Electrochemical studies of the interaction of rifampicin and nanosome/rifampicin with dsDNA. Bioelectrochemistry, 2021, 140, 107736. | 4.6 | 14 |
| 122 | Solvent-Free Heck-Jeffery Reactions under Ball-Milling Conditions Applied to the Synthesis of Unnatural Amino Acids Precursors and Indoles. Synthesis, 2006, 2006, 1183-1189. | 2.3 | 13 |
| 123 | Porous NiOx nanostructures templated by polystyrene-block-poly(2-vinylpyridine) diblock copolymer micelles. Journal of Materials Chemistry A, 2014, 2, 6158. | 10.3 | 13 |
| 124 | Micro-spherical cochleate composites: method development for monodispersed cochleate system. Journal of Liposome Research, 2017, 27, 32-40. | 3.3 | 13 |
| 125 | Dual Photo- and pH-Responsive Spirooxazine-Functionalized Dextran Nanoparticles. Biomacromolecules, 2020, 21, 3620-3630. | 5.4 | 13 |
| 126 | Core-Crosslinked Fluorescent Worm-Like Micelles for Glucose-Mediated Drug Delivery. Biomacromolecules, 2021, 22, 1458-1471. | 5.4 | 13 |

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| 127 | Star-shaped poly(2-ethyl-2-oxazoline) featuring a porphyrin core: synthesis and metal complexation. E-Polymers, 2015, 15, 227-235. | 3.0 | 12 |
| 128 | Well-Defined SiO<sub>2</sub> @P(EtOx-stat -EI) Core-Shell Hybrid Nanoparticles via Sol-Gel Processes. Macromolecular Rapid Communications, 2016, 37, 337-342. | 3.9 | 12 |
| 129 | Splitting of Surface-Immobilized Multicompartment Micelles into Clusters upon Charge Inversion. ACS Nano, 2016, 10, 5180-5188. | 14.6 | 12 |
| 130 | Î±,Ï‰-Reactive Building Blocks Based on a Dual Functional RAFT Agent for Thermal and Light-Induced Ligation. ACS Macro Letters, 2016, 5, 597-601. | 4.8 | 12 |
| 131 | Synthesis of Polypeptoidâ€Polycaprolactoneâ€Polytetrahydrofuran Heterograft Molecular Polymer Brushes via a Combination of Janus Polymerization and ROMP. Macromolecular Rapid Communications, 2019, 40, e1800905. | 3.9 | 12 |
| 132 | Double Hydrophilic Poly(ethylene oxide)â€blockâ€Poly(dehydroalanine) Block Copolymers: Comparison of Two Different Synthetic Routes. Macromolecular Chemistry and Physics, 2020, 221, 1900383. | 2.2 | 12 |
| 133 | Tripleâ€Responsive Polyampholytic Graft Copolymers as Smart Sensors with Varying Output. Macromolecular Rapid Communications, 2021, 42, e2000671. | 3.9 | 12 |
| 134 | Stabilization of 3D Network Morphologies in Thin Films via Chemical Modification of ABC Triblock Terpolymers. Macromolecules, 2010, 43, 10213-10215. | 4.8 | 11 |
| 135 | Poly(2â€vinyl pyridine)â€blockâ€Poly(ethylene oxide) Featuring a Furan Group at the Block Junctionâ€"Synthesis and Functionalization. Macromolecular Rapid Communications, 2014, 35, 916-921. | 3.9 | 11 |
| 136 | Facile synthesis of highly thermally stable nanoporous Î³-aluminas from aluminum alkoxide precursors. RSC Advances, 2015, 5, 49493-49499. | 3.6 | 11 |
| 137 | Synthesis and self-assembly of poly(ferrocenyldimethylsilane)-block-poly(2-alkyl-2-oxazoline) block copolymers. Polymer Chemistry, 2015, 6, 1604-1612. | 3.9 | 11 |
| 138 | Core-crosslinked diblock terpolymer micelles â€“ taking a closer look on crosslinking efficiency. Polymer Chemistry, 2018, 9, 2247-2257. | 3.9 | 11 |
| 139 | A translation of the structure of mussel byssal threads into synthetic materials by the utilization of histidine-rich block copolymers. Polymer Chemistry, 2018, 9, 3543-3551. | 3.9 | 11 |
| 140 | Self-Assembly of Copolyesters into Stereocomplex Crystallites Tunes the Properties of Polyester Nanoparticles. Macromolecules, 2020, 53, 8340-8351. | 4.8 | 11 |
| 141 | Rational Design of Amphiphilic Diblock Copolymer/MWCNT Surface Modifiers and Their Application for Direct Electrochemical Sensing of DNA. Polymers, 2020, 12, 1514. | 4.5 | 11 |
| 142 | Hierarchical self-assembly of star-shaped organometallic crystalline-coil block copolymers in solution. Soft Matter, 2012, 8, 6968. | 2.7 | 10 |
| 143 | Synthesis and solution self-assembly of block copolymers with a gradient, crystallizable polyferrocenylsilane core-forming metalloblock. Soft Matter, 2013, 9, 8569. | 2.7 | 10 |
| 144 | Incorporation of coreâ€“shell particles into methacrylate based composites for improvement of the mechanical properties. Polymer Chemistry, 2015, 6, 5273-5280. | 3.9 | 10 |

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| 145 | Sulfo-and carboxybetaine-containing polyampholytes based on poly(2-vinyl pyridine)s: Synthesis and solution behavior. Polymer, 2016, 104, 40-48. | 3.8 | 10 |
| 146 | Maleimide-functionalized poly(2-ethyl-2-oxazoline): synthesis and reactivity. Polymer Chemistry, 2016, 7, 2419-2426. | 3.9 | 10 |
| 147 | Polymeric Photoacids Based on Naphtholsâ€"Design Criteria, Photostability, and Lightâ€Mediated Release. Chemistry - A European Journal, 2020, 26, 2365-2379. | 3.3 | 10 |
| 148 | Copolymerization of Caprolactone Isomers to Obtain Nanoparticles with Constant Hydrophobicity and Tunable Crystallinity. Macromolecules, 2020, 53, 5208-5217. | 4.8 | 10 |
| 149 | Diblock copolymer membranes investigated by single-particle tracking. Physical Chemistry Chemical Physics, 2011, 13, 2278-2284. | 2.8 | 9 |
| 150 | Precise synthesis of undecenyl poly(ethylene oxide) macromonomers as heterofunctional building blocks for the synthesis of linear diblocks or of branched materials. European Polymer Journal, 2014, 57, 221-236. | 5.4 | 9 |
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