# Andre H GrÃ¶schel

List of Publications by Year
in descending order



| 63 | 4,276 | 159585 30 | 114465 63 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 66 | 66 | 66 | 4796 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guided hierarchical co-assembly of soft patchy nanoparticles. Nature, 2013, 503, 247-251. | 27.8 | 573 |
| 2 | Precise hierarchical self-assembly of multicompartment micelles. Nature Communications, 2012, 3, 710. | 12.8 | 504 |
| 3 | Advanced Materials through Assembly of Nanocelluloses. Advanced Materials, 2018, 30, e1703779. | 21.0 | 493 |
| 4 | Self-assembly concepts for multicompartment nanostructures. Nanoscale, 2015, 7, 11841-11876. | 5.6 | 279 |
| 5 | Facile, Solution-Based Synthesis of Soft, Nanoscale Janus Particles with Tunable Janus Balance. Journal of the American Chemical Society, 2012, 134, 13850-13860. | 13.7 | 247 |
| 6 | Self-Assembly of block copolymers into internally ordered microparticles. Progress in Polymer Science, 2020, 102, 101211. | 24.7 | 161 |
| 7 | Influence of Janus Particle Shape on Their Interfacial Behavior at Liquidâ€“Liquid Interfaces. Langmuir, 2013, 29, 1388-1394. | 3.5 | 147 |
| 8 | Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. Nature Communications, 2016, 7, 12097. | 12.8 | 140 |
| 9 | The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. ACS Nano, 2014, 8, 10048-10056. | 14.6 | 125 |
| 10 | Janus Cylinders at Liquidâ€“Liquid Interfaces. Langmuir, 2011, 27, 9807-9814. | 3.5 | 117 |
| 11 | Toughness and Fracture Properties in Nacreâ€Mimetic Clay/Polymer Nanocomposites. Advanced Functional Materials, 2017, 27, 1605378. | 14.9 | 114 |
| 12 | Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. ACS Nano, 2013, 7, 4030-4041. | 14.6 | 82 |
| 13 | Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Coreâ€“Shellâ€“Corona Polymer Brushes. Macromolecules, 2012, 45, 6981-6988. | 4.8 | 74 |
| 14 | Confinement Assembly of ABC Triblock Terpolymers for the High-Yield Synthesis of Janus Nanorings. ACS Nano, 2019, 13, 6269-6278. | 14.6 | 70 |
| 15 | Janus Micelles as Effective Supracolloidal Dispersants for Carbon Nanotubes. Angewandte Chemie - International Edition, 2013, 52, 3602-3606. | 13.8 | 57 |
| 16 | Hidden Structural Features of Multicompartment Micelles Revealed by Cryogenic Transmission Electron Tomography. ACS Nano, 2014, 8, 11330-11340. | 14.6 | 56 |
| 17 | Polymer Brushes on Cellulose Nanofibers: Modification, SI-ATRP, and Unexpected Degradation Processes. ACS Sustainable Chemistry and Engineering, 2017, 5, 7642-7650. | 6.7 | 55 |
| 18 | Active structuring of colloids through field-driven self-assembly. Current Opinion in Colloid and Interface Science, 2019, 40, 25-41. | 7.4 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Selfâ€Assembly of Diblock Molecular Polymer Brushes in the Spherical Confinement of Nanoemulsion Droplets. Macromolecular Rapid Communications, 2018, 39, e1800177. | 3.9 | 46 |
| 20 | Templateâ€Free Synthesis and Selective Filling of Janus Nanocups. Angewandte Chemie - International Edition, 2019, 58, 7122-7126. | 13.8 | 46 |
| 21 | Bulk morphologies of polystyrene-block-polybutadiene-block-poly(tert-butyl methacrylate) triblock terpolymers. Polymer, 2015, 72, 479-489. | 3.8 | 41 |
| 22 | Polymer brush guided templating on well-defined rod-like cellulose nanocrystals. Polymer Chemistry, 2018, 9, 1650-1657. | 3.9 | 39 |
| 23 | â€œPatchyâ€•Carbon Nanotubes as Efficient Compatibilizers for Polymer Blends. ACS Macro Letters, 2016, 5, 306-310. | 4.8 | 38 |
| 24 | Multicompartment Microparticles with Patchy Topography through Solvent-Adsorption Annealing. ACS Macro Letters, 2019, 8, 1654-1659. | 4.8 | 37 |
| 25 | Block Copolymer Micelles with Inverted Morphologies. Angewandte Chemie - International Edition, 2017, 56, 10992-10994. | 13.8 | 36 |
| 26 | Block Copolymer Micelles for Photonic Fluids and Crystals. ACS Nano, 2018, 12, 3149-3158. | 14.6 | 36 |
| 27 | Rod-Like Nanoparticles with Striped and Helical Topography. ACS Macro Letters, 2016, 5, 1185-1190. | 4.8 | 35 |
| 28 | Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2020, 59, 12751-12755. | 13.8 | 34 |
| 29 | Polymer Nanowires with Highly Precise Internal Morphology and Topography. Journal of the American Chemical Society, 2018, 140, 12736-12740. | 13.7 | 33 |
| 30 | Controlling Multicompartment Morphologies Using Solvent Conditions and Chemical Modification. ACS Macro Letters, 2016, 5, 1044-1048. | 4.8 | 32 |
| 31 | Controlling the shape of Janus nanostructures through supramolecular modification of ABC terpolymer bulk morphologies. Polymer, 2016, 107, 456-465. | 3.8 | 31 |
| 32 | Selfâ€Assembly of Multiblock Copolymers. Israel Journal of Chemistry, 2019, 59, 945-958. | 2.3 | 31 |
| 33 | Imaging Inelastic Fracture Processes in Biomimetic Nanocomposites and Nacre by Laser Speckle for Better Toughness. Advanced Science, 2018, 5, 1700635. | 11.2 | 28 |
| 34 | Multicompartment Microparticles of SBT Triblock Terpolymers through 3D Confinement Assembly. Macromolecules, 2020, 53, 4224-4233. | 4.8 | 28 |
| 35 | Recent Advances in the Synthesis and Application of Polymer Compartments for Catalysis. Polymers, 2020, 12, 2190. | 4.5 | 26 |
| 36 | Vesicular Polymer Hexosomes Exhibit Topological Defects. Journal of the American Chemical Society, 2020, 142, 10989-10995. | 13.7 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Sizeâ€Controlled Formation of Polymer Janus Discs. Angewandte Chemie - International Edition, 2021, 60, 21668-21672. | 13.8 | 22 |
| 38 | Hierarchical self-assembly of miktoarm star polymers containing aÂpolycationic segment: A general concept. Polymer, 2013, 54, 4528-4537. | 3.8 | 20 |
| 39 | Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. Macromolecules, 2015, 48, 1767-1776. | 4.8 | 20 |
| 40 | Heterolepic Î²â€Ketoiminate Zinc Phenoxide Complexes as Efficient Catalysts for the Ring Opening Polymerization of Lactide. ChemistryOpen, 2019, 8, 951-960. | 1.9 | 20 |
| 41 | Frustrated Microparticle Morphologies of a Semicrystalline Triblock Terpolymer in 3D Soft Confinement. ACS Nano, 2021, 15, 1111-1120. | 14.6 | 20 |
| 42 | Scalable and Recyclable Allâ€Organic Colloidal Cascade Catalysts. Angewandte Chemie - International Edition, 2021, 60, 237-241. | 13.8 | 20 |
| 43 | Supramolecular Modification of ABC Triblock Terpolymers in Confinement Assembly. Nanomaterials, 2018, 8, 1029. | 4.1 | 19 |
| 44 | Controlling Janus Nanodisc Topology through ABC Triblock Terpolymer/Homopolymer Blending in 3D Confinement. Macromolecules, 2021, 54, 1224-1233. | 4.8 | 18 |
| 45 | Syntheses, structures and catalytic activity of tetranuclear Mg complexes in the ROP of cyclic esters under industrially relevant conditions. Dalton Transactions, 2020, 49, 375-387. | 3.3 | 17 |
| 46 | Janus Nanostructures from ABC/B Triblock Terpolymer Blends. Polymers, 2019, 11, 1107. | 4.5 | 12 |
| 47 | Heteroleptic Î²-Ketoiminate Magnesium Catalysts for the Ring-Opening Polymerization of Lactide. Organometallics, 2020, 39, 4221-4231. | 2.3 | 11 |
| 48 | Direct Observation of Topological Defects in Striped Block Copolymer Discs and Polymersomes. ACS Nano, 2020, 14, 4829-4838. | 14.6 | 11 |
| 49 | Active Ga-catalysts for the ring opening homo- and copolymerization of cyclic esters, and copolymerization of epoxide and anhydrides. Dalton Transactions, 2020, 49, 13475-13486. | 3.3 | 10 |
| 50 | pHâ€Controlled Hierarchical Assembly/Disassembly of Multicompartment Micelles in Water. Macromolecular Rapid Communications, 2020, 41, e2000301. | 3.9 | 10 |
| 51 | Blockcopolymerâ€Mizellen mit inversen Morphologien. Angewandte Chemie, 2017, 129, 11136-11138. | 2.0 | 9 |
| 52 | Morphology Control of Multicompartment Micelles in Water through Hierarchical Self-Assembly of Amphiphilic Terpolymers. Macromolecules, 2022, 55, 1354-1364. | 4.8 | 9 |
| 53 | Naked micelles: well-defined polymer nanoparticles from photo-cleavable block copolymer micelles. Polymer Chemistry, 2021, 12, 1429-1438. | 3.9 | 8 |
| 54 | Block copolymerâ€directed synthesis of porous anatase for lithiumâ€ion battery electrodes. Journal of Polymer Science Part A, 2019, 57, 1890-1896. | 2.3 | 7 |

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|---|---|---|---|
| 55 | Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2020, 132, 12851-12855. | 2.0 | 7 |
| 56 | Terpolymer Multicompartment Nanofibers as Templates for Hybrid Pt Double Helices. ACS Applied Materials & Interfaces, 2020, 12, 39586-39594. | 8.0 | 6 |
| 57 | Confinement Assembly of Terpolymerâ€Based Janus Nanoparticles. Macromolecular Rapid Communications, 2022, 43, e2100932. | 3.9 | 6 |
| 58 | Synthesis and fluorescent properties of diblock terpolymer micelles modified with an aromatic thioether-based AIE fluorophore. Polymer, 2020, 208, 122942. | 3.8 | 5 |
| 59 | Templatâ€freie Synthese und selektive BefÃ¼llung von Janusâ€Nanocups. Angewandte Chemie, 2019, 131, 7196-7200. | 2.0 | 4 |
| 60 | Sizeâ€Controlled Formation of Polymer Janus Discs. Angewandte Chemie, 2021, 133, 21836-21840. | 2.0 | 4 |
| 61 | Morphology and Degradation of Multicompartment Microparticles Based on Semi-Crystalline Polystyrene-block-Polybutadiene-block-Poly(L-lactide) Triblock Terpolymers. Polymers, 2021, 13, 4358. | 4.5 | 3 |
| 62 | Self-Assembly of Soft Nanoparticles. , 2019, , 217-254. | | 2 |
| 63 | Binuclear ketodiiminate magnesium complexes for the ROP of cyclic -Lactide and Îµ-Caprolactone. Polyhedron, 2022, 222, 115918. | 2.2 | 2 |