

Andre H GrÃ¶schel

List of Publications by Year in descending order

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4796
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#	ARTICLE	IF	CITATIONS
1	Morphology Control of Multicompartment Micelles in Water through Hierarchical Self-Assembly of Amphiphilic Terpolymers. <i>Macromolecules</i> , 2022, 55, 1354-1364.	4.8	9
2	Confinement Assembly of Terpolymer-Based Janus Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100932.	3.9	6
3	Binuclear ketodiiminate magnesium complexes for the ROP of cyclic ϵ -Lactide and μ -Caprolactone. <i>Polyhedron</i> , 2022, 222, 115918.	2.2	2
4	Naked micelles: well-defined polymer nanoparticles from photo-cleavable block copolymer micelles. <i>Polymer Chemistry</i> , 2021, 12, 1429-1438.	3.9	8
5	Frustrated Microparticle Morphologies of a Semicrystalline Triblock Terpolymer in 3D Soft Confinement. <i>ACS Nano</i> , 2021, 15, 1111-1120.	14.6	20
6	Scalable and Recyclable All-Organic Colloidal Cascade Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 237-241.	13.8	20
7	Controlling Janus Nanodisc Topology through ABC Triblock Terpolymer/Homopolymer Blending in 3D Confinement. <i>Macromolecules</i> , 2021, 54, 1224-1233.	4.8	18
8	Size-Controlled Formation of Polymer Janus Discs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21668-21672.	13.8	22
9	Size-Controlled Formation of Polymer Janus Discs. <i>Angewandte Chemie</i> , 2021, 133, 21836-21840.	2.0	4
10	Morphology and Degradation of Multicompartment Microparticles Based on Semi-Crystalline Polystyrene-block-Polybutadiene-block-Poly(L-lactide) Triblock Terpolymers. <i>Polymers</i> , 2021, 13, 4358.	4.5	3
11	Syntheses, structures and catalytic activity of tetranuclear Mg complexes in the ROP of cyclic esters under industrially relevant conditions. <i>Dalton Transactions</i> , 2020, 49, 375-387.	3.3	17
12	Recent Advances in the Synthesis and Application of Polymer Compartments for Catalysis. <i>Polymers</i> , 2020, 12, 2190.	4.5	26
13	Synthesis and fluorescent properties of diblock terpolymer micelles modified with an aromatic thioether-based AIE fluorophore. <i>Polymer</i> , 2020, 208, 122942.	3.8	5
14	Terpolymer Multicompartment Nanofibers as Templates for Hybrid Pt Double Helices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39586-39594.	8.0	6
15	Active Ga-catalysts for the ring opening homo- and copolymerization of cyclic esters, and copolymerization of epoxide and anhydrides. <i>Dalton Transactions</i> , 2020, 49, 13475-13486.	3.3	10
16	Heteroleptic η^2 -Ketoiminate Magnesium Catalysts for the Ring-Opening Polymerization of Lactide. <i>Organometallics</i> , 2020, 39, 4221-4231.	2.3	11
17	Vesicular Polymer Hexosomes Exhibit Topological Defects. <i>Journal of the American Chemical Society</i> , 2020, 142, 10989-10995.	13.7	24
18	Multicompartment Microparticles of SBT Triblock Terpolymers through 3D Confinement Assembly. <i>Macromolecules</i> , 2020, 53, 4224-4233.	4.8	28

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19	Direct Observation of Topological Defects in Striped Block Copolymer Discs and Polymersomes. ACS Nano, 2020, 14, 4829-4838.	14.6	11
20	pH-Controlled Hierarchical Assembly/Disassembly of Multicompartment Micelles in Water. Macromolecular Rapid Communications, 2020, 41, e2000301.	3.9	10
21	Self-Assembly of block copolymers into internally ordered microparticles. Progress in Polymer Science, 2020, 102, 101211.	24.7	161
22	Soft Polymer Janus Nanoparticles at Liquid-Liquid Interfaces. Angewandte Chemie - International Edition, 2020, 59, 12751-12755.	13.8	34
23	Soft Polymer Janus Nanoparticles at Liquid-Liquid Interfaces. Angewandte Chemie, 2020, 132, 12851-12855.	2.0	7
24	Self-Assembly of Soft Nanoparticles. , 2019, , 217-254.		2
25	Janus Nanostructures from ABC/B Triblock Terpolymer Blends. Polymers, 2019, 11, 1107.	4.5	12
26	Heteroleptic η^2 -Ketoiminate Zinc Phenoxide Complexes as Efficient Catalysts for the Ring Opening Polymerization of Lactide. ChemistryOpen, 2019, 8, 951-960.	1.9	20
27	Template-Free Synthesis and selective Filling of Janus-Nanocups. Angewandte Chemie, 2019, 131, 7196-7200.	2.0	4
28	Block copolymer-directed synthesis of porous anatase for lithium-ion battery electrodes. Journal of Polymer Science Part A, 2019, 57, 1890-1896.	2.3	7
29	Self-Assembly of Multiblock Copolymers. Israel Journal of Chemistry, 2019, 59, 945-958.	2.3	31
30	Confinement Assembly of ABC Triblock Terpolymers for the High-Yield Synthesis of Janus Nanorings. ACS Nano, 2019, 13, 6269-6278.	14.6	70
31	Template-Free Synthesis and Selective Filling of Janus Nanocups. Angewandte Chemie - International Edition, 2019, 58, 7122-7126.	13.8	46
32	Multicompartment Microparticles with Patchy Topography through Solvent-Adsorption Annealing. ACS Macro Letters, 2019, 8, 1654-1659.	4.8	37
33	Active structuring of colloids through field-driven self-assembly. Current Opinion in Colloid and Interface Science, 2019, 40, 25-41.	7.4	48
34	Imaging Inelastic Fracture Processes in Biomimetic Nanocomposites and Nacre by Laser Speckle for Better Toughness. Advanced Science, 2018, 5, 1700635.	11.2	28
35	Block Copolymer Micelles for Photonic Fluids and Crystals. ACS Nano, 2018, 12, 3149-3158.	14.6	36
36	Advanced Materials through Assembly of Nanocelluloses. Advanced Materials, 2018, 30, e1703779.	21.0	493

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37	Self-Assembly of Diblock Molecular Polymer Brushes in the Spherical Confinement of Nanoemulsion Droplets. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800177.	3.9	46
38	Polymer brush guided templating on well-defined rod-like cellulose nanocrystals. <i>Polymer Chemistry</i> , 2018, 9, 1650-1657.	3.9	39
39	Supramolecular Modification of ABC Triblock Terpolymers in Confinement Assembly. <i>Nanomaterials</i> , 2018, 8, 1029.	4.1	19
40	Polymer Nanowires with Highly Precise Internal Morphology and Topography. <i>Journal of the American Chemical Society</i> , 2018, 140, 12736-12740.	13.7	33
41	Toughness and Fracture Properties in Nacre-Mimetic Clay/Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2017, 27, 1605378.	14.9	114
42	Block Copolymer Micelles with Inverted Morphologies. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10992-10994.	13.8	36
43	Blockcopolymer-Mizellen mit inversen Morphologien. <i>Angewandte Chemie</i> , 2017, 129, 11136-11138.	2.0	9
44	Polymer Brushes on Cellulose Nanofibers: Modification, SI-ATRP, and Unexpected Degradation Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7642-7650.	6.7	55
45	Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. <i>Nature Communications</i> , 2016, 7, 12097.	12.8	140
46	Rod-Like Nanoparticles with Striped and Helical Topography. <i>ACS Macro Letters</i> , 2016, 5, 1185-1190.	4.8	35
47	Controlling Multicompartment Morphologies Using Solvent Conditions and Chemical Modification. <i>ACS Macro Letters</i> , 2016, 5, 1044-1048.	4.8	32
48	Controlling the shape of Janus nanostructures through supramolecular modification of ABC terpolymer bulk morphologies. <i>Polymer</i> , 2016, 107, 456-465.	3.8	31
49	“Patchy” Carbon Nanotubes as Efficient Compatibilizers for Polymer Blends. <i>ACS Macro Letters</i> , 2016, 5, 306-310.	4.8	38
50	Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. <i>Macromolecules</i> , 2015, 48, 1767-1776.	4.8	20
51	Self-assembly concepts for multicompartment nanostructures. <i>Nanoscale</i> , 2015, 7, 11841-11876.	5.6	279
52	Bulk morphologies of polystyrene-block-polybutadiene-block-poly(tert-butyl methacrylate) triblock terpolymers. <i>Polymer</i> , 2015, 72, 479-489.	3.8	41
53	The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. <i>ACS Nano</i> , 2014, 8, 10048-10056.	14.6	125
54	Hidden Structural Features of Multicompartment Micelles Revealed by Cryogenic Transmission Electron Tomography. <i>ACS Nano</i> , 2014, 8, 11330-11340.	14.6	56

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55	Hierarchical self-assembly of miktoarm star polymers containing a polycationic segment: A general concept. <i>Polymer</i> , 2013, 54, 4528-4537.	3.8	20
56	Guided hierarchical co-assembly of soft patchy nanoparticles. <i>Nature</i> , 2013, 503, 247-251.	27.8	573
57	Influence of Janus Particle Shape on Their Interfacial Behavior at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2013, 29, 1388-1394.	3.5	147
58	Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. <i>ACS Nano</i> , 2013, 7, 4030-4041.	14.6	82
59	Janus Micelles as Effective Supracolloidal Dispersants for Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3602-3606.	13.8	57
60	Facile, Solution-Based Synthesis of Soft, Nanoscale Janus Particles with Tunable Janus Balance. <i>Journal of the American Chemical Society</i> , 2012, 134, 13850-13860.	13.7	247
61	Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Core-Shell Corona Polymer Brushes. <i>Macromolecules</i> , 2012, 45, 6981-6988.	4.8	74
62	Precise hierarchical self-assembly of multicompartment micelles. <i>Nature Communications</i> , 2012, 3, 710.	12.8	504
63	Janus Cylinders at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2011, 27, 9807-9814.	3.5	117