

Bernhard V K J Schmidt

List of Publications by Citations

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97
papers

3,556
citations

38
h-index

55
g-index

106
ext. papers

4,152
ext. citations

7.1
avg, IF

6.31
L-index

#	Paper	IF	Citations
97	Controlled folding of synthetic polymer chains through the formation of positionable covalent bridges. <i>Nature Chemistry</i> , 2011 , 3, 234-38	17.6	223
96	Dynamic Macromolecular Material Design-The Versatility of Cyclodextrin-Based Host-Guest Chemistry. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8350-8369	16.4	172
95	Complex macromolecular architecture design via cyclodextrin host/guest complexes. <i>Progress in Polymer Science</i> , 2014 , 39, 235-249	29.6	156
94	Three-Phase Photocatalysis for the Enhanced Selectivity and Activity of CO Reduction on a Hydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14549-14555	16.4	136
93	Tailored polymer microstructures prepared by atom transfer radical copolymerization of styrene and N-substituted maleimides. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 127-35	4.8	123
92	Controlling the morphology of metal-organic frameworks and porous carbon materials: metal oxides as primary architecture-directing agents. <i>Chemical Society Reviews</i> , 2020 , 49, 3348-3422	58.5	104
91	A Versatile and Scalable Strategy to Discrete Oligomers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6306-10	16.4	84
90	Graphitic carbon nitride and polymers: a mutual combination for advanced properties. <i>Materials Horizons</i> , 2020 , 7, 762-786	14.4	76
89	A Novel Photoresponsive Azobenzene-Containing Miktoarm Star Polymer: Self-Assembly and Photoresponse Properties. <i>Macromolecules</i> , 2014 , 47, 3693-3700	5.5	74
88	Enhanced Dispersibility of Graphitic Carbon Nitride Particles in Aqueous and Organic Media via a One-Pot Grafting Approach. <i>Langmuir</i> , 2017 , 33, 9897-9906	4	73
87	Supramolecular three-armed star polymers via cyclodextrin host-guest self-assembly. <i>Polymer Chemistry</i> , 2012 , 3, 3139	4.9	71
86	UV Light and Temperature Responsive Supramolecular ABA Triblock Copolymers via Reversible Cyclodextrin Complexation. <i>Macromolecules</i> , 2013 , 46, 1054-1065	5.5	68
85	Metal-Organic Frameworks in Polymer Science: Polymerization Catalysis, Polymerization Environment, and Hybrid Materials. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900333	4.8	65
84	Metallopolymer-Based Shape Anisotropic Nanoparticles. <i>ACS Macro Letters</i> , 2015 , 4, 731-735	6.6	64
83	One-Pot Click-Fabrication of Slide-Ring Gels. <i>Macromolecules</i> , 2015 , 48, 7774-7781	5.5	60
82	Self-Standing Carbon Nitride-Based Hydrogels with High Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2029-2034	9.5	58
81	Shape-Tunable Biphasic Janus Particles as pH-Responsive Switchable Surfactants. <i>Macromolecules</i> , 2017 , 50, 9276-9285	5.5	57

80	Miktoarm star polymers via cyclodextrin-driven supramolecular self-assembly. <i>Polymer Chemistry</i> , 2012 , 3, 3064	4.9	57
79	Dual thermo- and photo-responsive micelles based on miktoarm star polymers. <i>Polymer Chemistry</i> , 2013 , 4, 4506	4.9	54
78	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 7731-7	16.7	54
77	Photochemical Generation of Light Responsive Surfaces. <i>Advanced Functional Materials</i> , 2013 , 23, 4011-4019	5.1	53
76	Morphogenesis of Metal-Organic Mesocrystals Mediated by Double Hydrophilic Block Copolymers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2947-2956	16.4	52
75	Reversible single-chain selective point folding via cyclodextrin driven host-guest chemistry in water. <i>Chemical Communications</i> , 2014 , 50, 7056-9	5.8	49
74	Redox-switchable supramolecular graft polymer formation via ferrocene-cyclodextrin assembly. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1293-300	4.8	47
73	Reinforced Hydrogels via Carbon Nitride Initiated Polymerization. <i>Macromolecules</i> , 2017 , 50, 1862-1869	5.5	46
72	Low temperature aqueous living/controlled (RAFT) polymerization of carboxybetaine methacrylamide up to high molecular weights. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 958-65	4.8	46
71	Double Hydrophilic Block Copolymer Self-Assembly in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700494	2.6	45
70	Defined Poly[styrene-block-(ferrocenylmethyl methacrylate)] Diblock Copolymers via Living Anionic Polymerization. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1463-9	4.8	45
69	Synergic Effect between Nucleophilic Monomers and Cu(II) Metal-Organic Framework for Visible-Light-Triggered Controlled Photopolymerization. <i>Chemistry of Materials</i> , 2017 , 29, 9445-9455	9.6	43
68	Electrostatic Stabilization of Carbon Nitride Colloids in Organic Solvents Enables Stable Dispersions and Transparent Homogeneous CN Films for Optoelectronics. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17532-17537	16.4	42
67	Photochemical Design of Stimuli-Responsive Nanoparticles Prepared by Supramolecular Host-Guest Chemistry. <i>Macromolecules</i> , 2015 , 48, 4410-4420	5.5	40
66	Influence of Thiazole-Modified Carbon Nitride Nanosheets with Feasible Electronic Properties on Inverted Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12322-12328	16.4	40
65	Individually addressable thermo- and redox-responsive block copolymers by combining anionic polymerization and RAFT protocols. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 708-14	4.8	40
64	Lignin-based polymeric surfactants for emulsion polymerization. <i>Polymer</i> , 2017 , 112, 418-426	3.9	39
63	Cyclodextrin-Complexed RAFT Agents for the Ambient Temperature Aqueous Living/Controlled Radical Polymerization of Acrylamido Monomers. <i>Macromolecules</i> , 2011 , 44, 7220-7232	5.5	39

62	Solvent mediated morphology control of zinc MOFs as carbon templates for application in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23521-23530	13	39
61	Free radical and RAFT polymerization of vinyl esters in metal-organic-frameworks. <i>Polymer Chemistry</i> , 2017 , 8, 6204-6208	4.9	38
60	Modulation of the thermoresponsive behavior of poly(N,N-diethylacrylamide) via cyclodextrin host/guest interactions. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1306-11	4.8	38
59	Polysaccharide nanoparticles: from fabrication to applications. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7030-7062	7.3	36
58	Toward Ultimate Control of Radical Polymerization: Functionalized Metal-Organic Frameworks as a Robust Environment for Metal-Catalyzed Polymerizations. <i>Chemistry of Materials</i> , 2018 , 30, 2983-2994	9.6	34
57	Visible-light induced emulsion photopolymerization with carbon nitride as a stabilizer and photoinitiator. <i>Polymer Chemistry</i> , 2019 , 10, 5315-5323	4.9	33
56	Supramolecular X- and H-shaped star block copolymers via cyclodextrin-driven supramolecular self-assembly. <i>Polymer Chemistry</i> , 2014 , 5, 2461	4.9	33
55	Water-in-Water Pickering Emulsion Stabilized by Polydopamine Particles and Cross-Linking. <i>Biomacromolecules</i> , 2019 , 20, 204-211	6.9	33
54	Metal-Free Removal of Polymer Chain Ends Using Light. <i>Macromolecules</i> , 2016 , 49, 8162-8166	5.5	32
53	Visual recognition of supramolecular graft polymer formation via phenolphthalein-cyclodextrin association. <i>Polymer</i> , 2013 , 54, 5141-5147	3.9	31
52	Highly functional ellipsoidal block copolymer nanoparticles: a generalized approach to nanostructured chemical ordering in phase separated colloidal particles. <i>Polymer Chemistry</i> , 2018 , 9, 1638-1649	4.9	30
51	Robust Carbon Nitride-Based Thermoset Coatings for Surface Modification and Photochemistry. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9462-9469	9.5	29
50	A Cu(II) metal-organic framework as a recyclable catalyst for ARGET ATRP. <i>Polymer Chemistry</i> , 2016 , 7, 7199-7203	4.9	27
49	Micro-Blooming: Hierarchically Porous Nitrogen-Doped Carbon Flowers Derived from Metal-Organic Mesocrystals. <i>Small</i> , 2019 , 15, e1901986	11	26
48	Vesicles of double hydrophilic pullulan and poly(acrylamide) block copolymers: a combination of synthetic- and bio-derived blocks. <i>Polymer Chemistry</i> , 2017 , 8, 1244-1254	4.9	25
47	Dual-Gated Supramolecular Star Polymers in Aqueous Solution. <i>Macromolecules</i> , 2017 , 50, 2375-2386	5.5	25
46	Sustainable Continuous Flow Valorization of ϵ -Valerolactone with Trioxane to ϵ -Methylene- ϵ -Valerolactone over Basic Beta Zeolites. <i>ChemSusChem</i> , 2019 , 12, 2628-2636	8.3	24
45	Tough high modulus hydrogels derived from carbon-nitride via an ethylene glycol co-solvent route. <i>Soft Matter</i> , 2018 , 14, 2655-2664	3.6	24

44	Properties and applications of precision oligomer materials; where organic and polymer chemistry join forces. <i>Journal of Polymer Science</i> , 2021 , 59, 373-403	2.4	24
43	Structural Versatility in Slide-Ring Gels: Influence of Co-Threaded Cyclodextrin Spacers. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 1156-1165	2.5	23
42	Grafting Polymers onto Carbon Nitride via Visible-Light-Induced Photofunctionalization. <i>Macromolecules</i> , 2019 , 52, 4989-4996	5.5	21
41	Responsive Janus and Cerberus emulsions via temperature-induced phase separation in aqueous polymer mixtures. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 88-95	9.3	21
40	Dynamisches makromolekulares Materialdesign Die Vielseitigkeit von Cyclodextrin-basierter Wirt-Gast-Chemie. <i>Angewandte Chemie</i> , 2017 , 129, 8468-8488	3.6	19
39	Polymer grafted graphitic carbon nitrides as precursors for reinforced lubricant hydrogels. <i>Polymer Chemistry</i> , 2019 , 10, 3647-3656	4.9	19
38	Designing Molecular Printboards: A Photolithographic Platform for Recodable Surfaces. <i>Chemistry - A European Journal</i> , 2015 , 21, 13186-90	4.8	19
37	Supramolecular polymer networks of building blocks prepared via RAFT polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 2142	4.9	18
36	Self-Assembly of Double Hydrophilic Poly(2-ethyl-2-oxazoline)-b-poly(N-vinylpyrrolidone) Block Copolymers in Aqueous Solution. <i>Polymers</i> , 2017 , 9,	4.5	18
35	Polymer Brushes on Graphitic Carbon Nitride for Patterning and as a SERS Active Sensing Layer via Incorporated Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9797-9805	9.5	17
34	Thermoadaptive Supramolecular Cyclodextrin Crystallization-Based Hydrogels via Double Hydrophilic Block Copolymer Templating. <i>Polymers</i> , 2018 , 10,	4.5	17
33	An oxygen-tolerant visible light induced free radical polymerization using mesoporous graphitic carbon nitride. <i>European Polymer Journal</i> , 2020 , 122, 109410	5.2	17
32	Crosslinked 1,2,4-triazolium-type poly(ionic liquid) nanoparticles. <i>Polymer</i> , 2016 , 107, 509-516	3.9	16
31	Organized Polymeric Submicron Particles via Self-Assembly and Cross-Linking of Double Hydrophilic Poly(ethylene oxide)-b-poly(N-vinylpyrrolidone) in Aqueous Solution. <i>Macromolecules</i> , 2016 , 49, 5331-5341	5.5	16
30	Self-Assembly Behavior and Biocompatible Cross-Linking of Double Hydrophilic Linear-Brush Block Copolymers. <i>Biomacromolecules</i> , 2017 , 18, 3695-3705	6.9	15
29	Dispersed nano-MOFs via a stimuli-responsive biohybrid-system with enhanced photocatalytic performance. <i>Materials Horizons</i> , 2019 , 6, 802-809	14.4	15
28	Cascade Kinetics in an Enzyme-Loaded Aqueous Two-Phase System. <i>Langmuir</i> , 2020 , 36, 1401-1408	4	15
27	Limitations of cyclodextrin-mediated RAFT homopolymerization and block copolymer formation. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 2504-2517	2.5	15

26	Access to Multiblock Copolymers via Supramolecular Host-Guest Chemistry and Photochemical Ligation. <i>ACS Macro Letters</i> , 2015 , 4, 1062-1066	6.6	14
25	Pure hydrophilic block copolymer vesicles with redox- and pH-cleavable crosslinks. <i>Polymer Chemistry</i> , 2018 , 9, 1626-1637	4.9	14
24	Scalable synthesis of an architectural library of well-defined poly(acrylic acid) derivatives: Role of structure on dispersant performance. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 716-725	2.5	12
23	Temperature sensitive water-in-water emulsions. <i>Chemical Communications</i> , 2020 , 56, 6814-6817	5.8	11
22	A biomimetic nanofluidic diode based on surface-modified polymeric carbon nitride nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1316-1323	3	11
21	Photoactive Graphitic Carbon Nitride-Based Gel Beads As Recyclable Photocatalysts. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3346-3354	4.3	10
20	Extremely Compressible Hydrogel via Incorporation of Modified Graphitic Carbon Nitride. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800712	4.8	10
19	Poly(ethylene glycol) brush--poly(-vinylpyrrolidone)-based double hydrophilic block copolymer particles crosslinked crystalline cyclodextrin domains.. <i>RSC Advances</i> , 2019 , 9, 4993-5001	3.7	7
18	Supramolecular Compartmentalized Hydrogels via Polydopamine Particle-Stabilized Water-in-Water Emulsions. <i>Langmuir</i> , 2019 , 35, 11141-11149	4	7
17	Tannic Acid-Mediated Aggregate Stabilization of Poly(-vinylpyrrolidone)--poly(oligo (ethylene glycol) methyl ether methacrylate) Double Hydrophilic Block Copolymers. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
16	Grazing Incidence Neutron Spin Echo Study of Poly(N-isopropylacrylamide) Brushes. <i>Macromolecules</i> , 2020 , 53, 1819-1830	5.5	6
15	Aggregation and Crosslinking of Poly(N,N-dimethylacrylamide)-b-pullulan Double Hydrophilic Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000053	2.6	5
14	Living Radical Polymerization of Ethylene: A Challenge Overcome?. <i>ChemCatChem</i> , 2014 , 6, 3060-3062	5.2	5
13	Aqueous self-assembly of pullulan-b-poly(2-ethyl-2-oxazoline) double hydrophilic block copolymers. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3757-3766	2.5	4
12	Selective Partitioning of (Biomacro)molecules in the Crowded Environment of Double-Hydrophilic Block Copolymers. <i>Macromolecules</i> , 2020 , 53, 10179-10188	5.5	4
11	Graphitic Carbon Nitride Stabilized Water-in-Water Emulsions. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000433	4.8	4
10	Multicompartment Hydrogels.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100895	4.8	3
9	Aminolysis induced functionalization of (RAFT) polymer-dithioester with thiols and disulfides. <i>Polymer Chemistry</i> , 2020 , 11, 7677-7684	4.9	3

8	All-Aqueous Multi-phase Systems and Emulsions Formed via Low-Concentration Ultra-high-Molar Mass Polyacrylamides. <i>Macromolecules</i> , 2021 , 54, 5366-5375	5.5	3
7	Novel Macromolecular Architectures via a Combination of Cyclodextrin Host/Guest Complexation and RAFT Polymerization. <i>Springer Theses</i> , 2014 ,	0.1	2
6	Molding and Encoding Carbon Nitride-Containing Edible Oil Liquid Objects via Interfacial Toughening in Waterborne Systems. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4643-4651	9.5	2
5	Stimuli-Responsive Aggregation of High Molar Mass Poly(N,N-Diethylacrylamide)-b-Poly(4-Acryloylmorpholine) in Tetrahydrofuran. <i>Macromolecular Rapid Communications</i> , 2021 , e2100656	4.8	1
4	A Supramolecular Approach to Macromolecular Self-Assembly: Cyclodextrin Host/Guest Complexes 2016 , 1-32		1
3	Trendbericht Makromolekulare Chemie. <i>Nachrichten Aus Der Chemie</i> , 2019 , 67, 40-49	0.1	
2	Titelbild: Dynamisches makromolekulares Materialdesign Die Vielseitigkeit von Cyclodextrin-basierter Wirt-Gast-Chemie (Angew. Chem. 29/2017). <i>Angewandte Chemie</i> , 2017 , 129, 8417-8417	3.6	
1	Trendbericht: Makromolekulare Chemie. <i>Nachrichten Aus Der Chemie</i> , 2020 , 68, 56-64	0.1	