Bernhard V K J Schmidt

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4110123/publications.pdf

Version: 2024-02-01

102 papers	4,783 citations	81434 41 h-index	116156 66 g-index
106 all docs	106 docs citations	106 times ranked	6364 citing authors

#	Article	IF	Citations
1	Stimuliâ€Responsive Aggregation of High Molar Mass Poly(N,Nâ€Diethylacrylamide)â€bâ€Poly(4â€Acryloylmorpholine) in Tetrahydrofuran. Macromolecular Rapid Communications, 2022, 43, e2100656.	2.0	4
2	Multicompartment Hydrogels. Macromolecular Rapid Communications, 2022, 43, e2100895.	2.0	19
3	pH sensitive water-in-water emulsions based on the pullulan and poly(N,N-dimethylacrylamide) aqueous two-phase system. Polymer Chemistry, 2022, 13, 4170-4177.	1.9	5
4	Graphitic Carbon Nitride Stabilized Waterâ€inâ€Water Emulsions. Macromolecular Rapid Communications, 2021, 42, e2000433.	2.0	12
5	Properties and applications of precision oligomer materials; where organic and polymer chemistry join forces. Journal of Polymer Science, 2021, 59, 373-403.	2.0	70
6	All-Aqueous Multi-phase Systems and Emulsions Formed via Low-Concentration Ultra-high-Molar Mass Polyacrylamides. Macromolecules, 2021, 54, 5366-5375.	2.2	8
7	Molding and Encoding Carbon Nitride-Containing Edible Oil Liquid Objects via Interfacial Toughening in Waterborne Systems. ACS Applied Materials & Interfaces, 2021, 13, 4643-4651.	4.0	8
8	Polysaccharide nanoparticles: from fabrication to applications. Journal of Materials Chemistry B, 2021, 9, 7030-7062.	2.9	117
9	Polymer chemistry: fundamentals and applications. Beilstein Journal of Organic Chemistry, 2021, 17, 2922-2923.	1.3	0
10	Metalâ€Organic Frameworks in Polymer Science: Polymerization Catalysis, Polymerization Environment, and Hybrid Materials. Macromolecular Rapid Communications, 2020, 41, e1900333.	2.0	109
11	Graphitic carbon nitride and polymers: a mutual combination for advanced properties. Materials Horizons, 2020, 7, 762-786.	6.4	130
12	An oxygen-tolerant visible light induced free radical polymerization using mesoporous graphitic carbon nitride. European Polymer Journal, 2020, 122, 109410.	2.6	24
13	Trends in Polymers 2017/2018: Polymer Synthesis. Polymers, 2020, 12, 39.	2.0	2
14	Selective Partitioning of (Biomacro)molecules in the Crowded Environment of Double-Hydrophilic Block Copolymers. Macromolecules, 2020, 53, 10179-10188.	2.2	10
15	Aminolysis induced functionalization of (RAFT) polymer-dithioester with thiols and disulfides. Polymer Chemistry, 2020, 11, 7677-7684.	1.9	10
16	Trendbericht: Makromolekulare Chemie. Nachrichten Aus Der Chemie, 2020, 68, 56-64.	0.0	0
17	Temperature sensitive water-in-water emulsions. Chemical Communications, 2020, 56, 6814-6817.	2.2	26
18	Photoactive Graphitic Carbon Nitride-Based Gel Beads As Recyclable Photocatalysts. ACS Applied Polymer Materials, 2020, 2, 3346-3354.	2.0	23

#	Article	IF	Citations
19	Aggregation and Crosslinking of Poly(N,N â€dimethylacrylamide)â€b â€pullulan Double Hydrophilic Block Copolymers. Macromolecular Chemistry and Physics, 2020, 221, 2000053.	1.1	8
20	Grazing Incidence Neutron Spin Echo Study of Poly(N-isopropylacrylamide) Brushes. Macromolecules, 2020, 53, 1819-1830.	2.2	9
21	Cascade Kinetics in an Enzyme-Loaded Aqueous Two-Phase System. Langmuir, 2020, 36, 1401-1408.	1.6	24
22	Polymer Brushes on Graphitic Carbon Nitride for Patterning and as a SERS Active Sensing Layer via Incorporated Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 9797-9805.	4.0	29
23	Controlling the morphology of metalâ€“organic frameworks and porous carbon materials: metal oxides as primary architecture-directing agents. Chemical Society Reviews, 2020, 49, 3348-3422.	18.7	190
24	Responsive Janus and Cerberus emulsions via temperature-induced phase separation in aqueous polymer mixtures. Journal of Colloid and Interface Science, 2020, 575, 88-95.	5.0	41
25	Extremely Compressible Hydrogel via Incorporation of Modified Graphitic Carbon Nitride. Macromolecular Rapid Communications, 2019, 40, e1800712.	2.0	23
26	Threeâ€Phase Photocatalysis for the Enhanced Selectivity and Activity of CO₂ Reduction on a Hydrophobic Surface. Angewandte Chemie - International Edition, 2019, 58, 14549-14555.	7.2	269
27	Supramolecular Compartmentalized Hydrogels via Polydopamine Particle-Stabilized Water-in-Water Emulsions. Langmuir, 2019, 35, 11141-11149.	1.6	13
28	A biomimetic nanofluidic diode based on surface-modified polymeric carbon nitride nanotubes. Beilstein Journal of Nanotechnology, 2019, 10, 1316-1323.	1.5	16
29	Influence of Thiazole-Modified Carbon Nitride Nanosheets with Feasible Electronic Properties on Inverted Perovskite Solar Cells. Journal of the American Chemical Society, 2019, 141, 12322-12328.	6.6	61
30	Microâ€Blooming: Hierarchically Porous Nitrogenâ€Doped Carbon Flowers Derived from Metalâ€Organic Mesocrystals. Small, 2019, 15, e1901986.	5.2	40
31	Trendbericht Makromolekulare Chemie. Nachrichten Aus Der Chemie, 2019, 67, 40-49.	0.0	0
32	Visible-light induced emulsion photopolymerization with carbon nitride as a stabilizer and photoinitiator. Polymer Chemistry, 2019, 10, 5315-5323.	1.9	44
33	Dispersed nano-MOFs via a stimuli-responsive biohybrid-system with enhanced photocatalytic performance. Materials Horizons, 2019, 6, 802-809.	6.4	25
34	Grafting Polymers onto Carbon Nitride via Visible-Light-Induced Photofunctionalization. Macromolecules, 2019, 52, 4989-4996.	2.2	27
35	Polymer grafted graphitic carbon nitrides as precursors for reinforced lubricant hydrogels. Polymer Chemistry, 2019, 10, 3647-3656.	1.9	29
36	Sustainable Continuous Flow Valorization of Î³â€Valerolactone with Trioxane to Î±â€Methyleneâ€Î³â€Valerolactone over Basic Beta Zeolites. ChemSusChem, 2019, 12, 2628-2636.	3.6	34

#	Article	IF	Citations
37	Tannic Acid-Mediated Aggregate Stabilization of Poly(N-vinylpyrrolidone)-b-poly(oligo (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.9	10
38	Hydrophilic Polymers. Polymers, 2019, 11, 693.	2.0	21
39	Poly(ethylene glycol) brush-b-poly(N-vinylpyrrolidone)-based double hydrophilic block copolymer particles crosslinked via crystalline Î±-cyclodextrin domains. RSC Advances, 2019, 9, 4993-5001.	1.7	8
40	Robust Carbon Nitride-Based Thermoset Coatings for Surface Modification and Photochemistry. ACS Applied Materials & Interfaces, 2019, 11, 9462-9469.	4.0	40
41	Water-in-Water Pickering Emulsion Stabilized by Polydopamine Particles and Cross-Linking. Biomacromolecules, 2019, 20, 204-211.	2.6	59
42	Scalable synthesis of an architectural library of wellâ€defined poly(acrylic acid) derivatives: Role of structure on dispersant performance. Journal of Polymer Science Part A, 2019, 57, 716-725.	2.5	18
43	Toward Ultimate Control of Radical Polymerization: Functionalized Metalâ€“Organic Frameworks as a Robust Environment for Metal-Catalyzed Polymerizations. Chemistry of Materials, 2018, 30, 2983-2994.	3.2	45
44	Morphogenesis of Metalâ€“Organic Mesocrystals Mediated by Double Hydrophilic Block Copolymers. Journal of the American Chemical Society, 2018, 140, 2947-2956.	6.6	69
45	Double Hydrophilic Block Copolymer Selfâ€Assembly in Aqueous Solution. Macromolecular Chemistry and Physics, 2018, 219, 1700494.	1.1	68
46	Tough high modulus hydrogels derived from carbon-nitride via an ethylene glycol co-solvent route. Soft Matter, 2018, 14, 2655-2664.	1.2	28
47	Pure hydrophilic block copolymer vesicles with redox- and pH-cleavable crosslinks. Polymer Chemistry, 2018, 9, 1626-1637.	1.9	17
48	Highly functional ellipsoidal block copolymer nanoparticles: a generalized approach to nanostructured chemical ordering in phase separated colloidal particles. Polymer Chemistry, 2018, 9, 1638-1649.	1.9	38
49	Electrostatic Stabilization of Carbon Nitride Colloids in Organic Solvents Enables Stable Dispersions and Transparent Homogeneous CN Films for Optoelectronics. Journal of the American Chemical Society, 2018, 140, 17532-17537.	6.6	48
50	Solvent mediated morphology control of zinc MOFs as carbon templates for application in supercapacitors. Journal of Materials Chemistry A, 2018, 6, 23521-23530.	5.2	61
51	Thermoadaptive Supramolecular Î±-Cyclodextrin Crystallization-Based Hydrogels via Double Hydrophilic Block Copolymer Templating. Polymers, 2018, 10, 576.	2.0	20
52	Self-Standing Carbon Nitride-Based Hydrogels with High Photocatalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 2029-2034.	4.0	69
53	Vesicles of double hydrophilic pullulan and poly(acrylamide) block copolymers: a combination of synthetic- and bio-derived blocks. Polymer Chemistry, 2017, 8, 1244-1254.	1.9	30
54	Reinforced Hydrogels via Carbon Nitride Initiated Polymerization. Macromolecules, 2017, 50, 1862-1869.	2.2	58

#	Article	IF	Citations
55	Structural Versatility in Slideâ€Ring Gels: Influence of Coâ€Threaded Cyclodextrin Spacers. Journal of Polymer Science Part A, 2017, 55, 1156-1165.	2.5	26
56	Dynamisches makromolekulares Materialdesign â€“ die Vielseitigkeit von Cyclodextrinâ€basierter Wirtâ€Gastâ€Chemie. Angewandte Chemie, 2017, 129, 8468-8488.	1.6	26
57	Dynamic Macromolecular Material Designâ€"The Versatility of Cyclodextrinâ€Based Hostâ€“Guest Chemistry. Angewandte Chemie - International Edition, 2017, 56, 8350-8369.	7.2	230
58	Lignin-based polymeric surfactants for emulsion polymerization. Polymer, 2017, 112, 418-426.	1.8	49
59	Dual-Gated Supramolecular Star Polymers in Aqueous Solution. Macromolecules, 2017, 50, 2375-2386.	2.2	31
60	Free radical and RAFT polymerization of vinyl esters in metalâ€“organic-frameworks. Polymer Chemistry, 2017, 8, 6204-6208.	1.9	48
61	Synergic Effect between Nucleophilic Monomers and Cu(II) Metalâ€“Organic Framework for Visible-Light-Triggered Controlled Photopolymerization. Chemistry of Materials, 2017, 29, 9445-9455.	3.2	50
62	Self-Assembly Behavior and Biocompatible Cross-Linking of Double Hydrophilic Linear-Brush Block Copolymers. Biomacromolecules, 2017, 18, 3695-3705.	2.6	16
63	Aqueous selfâ€assembly of pullulanâ€bâ€poly(2â€ethylâ€2â€oxazoline) double hydrophilic block copolymers. Journal of Polymer Science Part A, 2017, 55, 3757-3766.	2.5	6
64	Enhanced Dispersibility of Graphitic Carbon Nitride Particles in Aqueous and Organic Media via a One-Pot Grafting Approach. Langmuir, 2017, 33, 9897-9906.	1.6	95
65	Titelbild: Dynamisches makromolekulares Materialdesign â€“ die Vielseitigkeit von Cyclodextrinâ€basierter Wirtâ€Gastâ€Chemie (Angew. Chem. 29/2017). Angewandte Chemie, 2017, 129, 8417-8417.	1.6	0
66	Shape-Tunable Biphasic Janus Particles as pH-Responsive Switchable Surfactants. Macromolecules, 2017, 50, 9276-9285.	2.2	80
67	Self-Assembly of Double Hydrophilic Poly(2-ethyl-2-oxazoline)-b-poly(N-vinylpyrrolidone) Block Copolymers in Aqueous Solution. Polymers, 2017, 9, 293.	2.0	24
68	A Versatile and Scalable Strategy to Discrete Oligomers. Journal of the American Chemical Society, 2016, 138, 6306-6310.	6.6	115
69	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. ACS Nano, 2016, 10, 7731-7737.	7.3	64
70	Organized Polymeric Submicron Particles via Self-Assembly and Cross-Linking of Double Hydrophilic Poly(ethylene oxide)-b-poly(N-vinylpyrrolidone) in Aqueous Solution. Macromolecules, 2016, 49, 5331-5341.	2.2	18
71	Crosslinked 1,2,4-triazolium-type poly(ionic liquid) nanoparticles. Polymer, 2016, 107, 509-516.	1.8	17
72	Metal-Free Removal of Polymer Chain Ends Using Light. Macromolecules, 2016, 49, 8162-8166.	2.2	36

#	Article	IF	Citations
73	A Cu(ii) metalâ€“organic framework as a recyclable catalyst for ARGET ATRP. Polymer Chemistry, 2016, 7, 7199-7203.	1.9	33
74	Designing Molecular Printboards: A Photolithographic Platform for Recodable Surfaces. Chemistry - A European Journal, 2015, 21, 13186-13190.	1.7	21
75	Photochemical Design of Stimuli-Responsive Nanoparticles Prepared by Supramolecular Hostâ€“Guest Chemistry. Macromolecules, 2015, 48, 4410-4420.	2.2	41
76	Metallopolymer-Based Shape Anisotropic Nanoparticles. ACS Macro Letters, 2015, 4, 731-735.	2.3	78
77	One-Pot â€œClickâ€•Fabrication of Slide-Ring Gels. Macromolecules, 2015, 48, 7774-7781.	2.2	71
78	Access to Multiblock Copolymers via Supramolecular Hostâ€“Guest Chemistry and Photochemical Ligation. ACS Macro Letters, 2015, 4, 1062-1066.	2.3	16
79	Novel Macromolecular Architectures via a Combination of Cyclodextrin Host/Guest Complexation and RAFT Polymerization. Springer Theses, 2014, , .	0.0	2
80	Living Radical Polymerization of Ethylene: A Challenge Overcome?. ChemCatChem, 2014, 6, 3060-3062.	1.8	6
81	Individually Addressable Thermoâ€•and Redoxâ€Responsive Block Copolymers by Combining Anionic Polymerization and RAFT Protocols. Macromolecular Rapid Communications, 2014, 35, 708-714.	2.0	47
82	Complex macromolecular architecture design via cyclodextrin host/guest complexes. Progress in Polymer Science, 2014, 39, 235-249.	11.8	166
83	Redoxâ€Switchable Supramolecular Graft Polymer Formation via Ferroceneâ€“Cyclodextrin Assembly. Macromolecular Rapid Communications, 2014, 35, 1293-1300.	2.0	55
84	Supramolecular X- and H-shaped star block copolymers via cyclodextrin-driven supramolecular self-assembly. Polymer Chemistry, 2014, 5, 2461.	1.9	33
85	Supramolecular polymer networks of building blocks prepared via RAFT polymerization. Polymer Chemistry, 2014, 5, 2142.	1.9	18
86	A Novel Photoresponsive Azobenzene-Containing Miktoarm Star Polymer: Self-Assembly and Photoresponse Properties. Macromolecules, 2014, 47, 3693-3700.	2.2	86
87	Reversible single-chain selective point folding via cyclodextrin driven hostâ€“guest chemistry in water. Chemical Communications, 2014, 50, 7056.	2.2	55
88	Macromolecules made to order. Nature Chemistry, 2013, 5, 990-992.	6.6	24
89	Visual recognition of supramolecular graft polymer formation via phenolphthaleinâ€“cyclodextrin association. Polymer, 2013, 54, 5141-5147.	1.8	34
90	UV Light and Temperature Responsive Supramolecular ABA Triblock Copolymers via Reversible Cyclodextrin Complexation. Macromolecules, 2013, 46, 1054-1065.	2.2	72

#	Article	IF	Citations
91	Dual thermo- and photo-responsive micelles based on miktoarm star polymers. Polymer Chemistry, 2013, 4, 4506.	1.9	56
92	Limitations of cyclodextrinâ€mediated RAFT homopolymerization and block copolymer formation. Journal of Polymer Science Part A, 2013, 51, 2504-2517.	2.5	16
93	Modulation of the Thermoresponsive Behavior of Poly(N,Nâ€diethylacrylamide) via Cyclodextrin Host/Guest Interactions. Macromolecular Rapid Communications, 2013, 34, 1306-1311.	2.0	42
94	Photochemical Generation of Light Responsive Surfaces. Advanced Functional Materials, 2013, 23, 4011-4019.	7.8	58
95	Supramolecular three-armed star polymers via cyclodextrin hostâ€“guest self-assembly. Polymer Chemistry, 2012, 3, 3139.	1.9	74
96	Miktoarm star polymers via cyclodextrin-driven supramolecular self-assembly. Polymer Chemistry, 2012, 3, 3064.	1.9	60
97	Cyclodextrin-Complexed RAFT Agents for the Ambient Temperature Aqueous Living/Controlled Radical Polymerization of Acrylamido Monomers. Macromolecules, 2011, 44, 7220-7232.	2.2	46
98	Controlled folding of synthetic polymer chains through the formation of positionable covalent bridges. Nature Chemistry, 2011, 3, 234-238.	6.6	243
99	Tailored Polymer Microstructures Prepared by Atom Transfer Radical Copolymerization of Styrene and Nâ€substituted Maleimides. Macromolecular Rapid Communications, 2011, 32, 127-135.	2.0	130
100	Low Temperature Aqueous Living/Controlled (RAFT) Polymerization of Carboxybetaine Methacrylamide up to High Molecular Weights. Macromolecular Rapid Communications, 2011, 32, 958-965.	2.0	52
101	Defined Poly[styreneâ€blockâ€(ferrocenylmethyl methacrylate)] Diblock Copolymers via Living Anionic Polymerization. Macromolecular Rapid Communications, 2009, 30, 1463-1469.	2.0	49
102	A Supramolecular Approach to Macromolecular Self&;#x02010;Assembly: Cyclodextrin Host/Guest Complexes. , 0, , 1-32.		1