Johannes C Brendel

List of Publications by Year
in descending order

69	1,847	23	40
papers	citations	h-index	g-index
		279798	289244

71	71	71	2541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ROSâ€Sensitive Polymer Micelles for Selective Degradation in Primary Human Monocytes from Patients with Active IBD. Macromolecular Bioscience, 2022, 22, e2100482.	4.1	8
2	Shear-Thinning and Rapidly Recovering Hydrogels of Polymeric Nanofibers Formed by Supramolecular Self-Assembly. Chemistry of Materials, 2022, 34, 2206-2217.	6.7	6
3	Stimuli-Responsive Thiomorpholine Oxide-Derived Polymers with Tailored Hydrophilicity and Hemocompatible Properties. Molecules, 2022, 27, 4233.	3.8	2
4	Dual Function of <i>Î²</i>â€Hydroxy Dithiocinnamic Esters: RAFT Agent and Ligand for Metal Complexation. Macromolecular Rapid Communications, 2022, 43, .	3.9	4
5	Emulsion Polymerizations for a Sustainable Preparation of Efficient TEMPOâ€based Electrodes. ChemSusChem, 2021, 14, 449-455.	6.8	23
6	Overcoming the Necessity of a Lateral Aggregation in the Formation of Supramolecular Polymer Bottlebrushes in Water. Macromolecular Rapid Communications, 2021, 42, 2000585.	3.9	2
7	Elucidating preparation-structure relationships for the morphology evolution during the RAFT dispersion polymerization of <i>N</i>-acryloyl thiomorpholine. Polymer Chemistry, 2021, 12, 1668-1680.	3.9	9
8	Adaptation of electrodes and printable gel polymer electrolytes for optimized fully organic batteries. Journal of Polymer Science, 2021, 59, 494-501.	3.8	7
9	Improved gene delivery to K-562 leukemia cells by lipoic acid modified block copolymer micelles. Journal of Nanobiotechnology, 2021, 19, 70.	9.1	14
10	Polymer Micelles Composed of Molecularâ€Bottlebrushâ€Based Surfactants: Precisely Controlling Aggregation Number Corresponding to Polyhedral Structures. Macromolecular Rapid Communications, 2021, 42, 2100285.	3.9	0
11	Kinetically Controlling the Length of Self-Assembled Polymer Nanofibers Formed by Intermolecular Hydrogen Bonds. ACS Macro Letters, 2021, 10, 837-843.	4.8	6
12	Correlation between Protonation of Tailor-Made Polypiperazines and Endosomal Escape for Cytosolic Protein Delivery. ACS Applied Materials & Interfaces, 2021, 13, 35233-35247.	8.0	13
13	Trendbericht: Makromolekulare Chemie. Nachrichten Aus Der Chemie, 2021, 69, 56-67.	0.0	0
14	The impact of anionic polymers on gene delivery: how composition and assembly help evading the toxicity-efficiency dilemma. Journal of Nanobiotechnology, 2021, 19, 292.	9.1	20
15	Tuneable Time Delay in the Burst Release from Oxidationâ€Sensitive Polymersomes Made by PISA. Angewandte Chemie - International Edition, 2021, 60, 24716-24723.	13.8	21
16	Adjusting the length of supramolecular polymer bottlebrushes by top-down approaches. Beilstein Journal of Organic Chemistry, 2021, 17, 2621-2628.	2.2	3
17	Printable ionic liquid-based gel polymer electrolytes for solid state all-organic batteries. Energy Storage Materials, 2020, 25, 750-755.	18.0	36
18	Unraveling Decisive Structural Parameters for the Self-Assembly of Supramolecular Polymer Bottlebrushes Based on Benzene Trisureas. Macromolecules, 2020, 53, 7552-7560.	4.8	10

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19	One polymer composition, various morphologies: the decisive influence of conditions on the polymerization-induced self-assembly (PISA) of <i>N</i>-acryloyl thiomorpholine. Nanoscale, 2020, 12, 20171-20176.	5.6	15
20	Impact of amino acids on the aqueous self-assembly of benzenetrispeptides into supramolecular polymer bottlebrushes. Polymer Chemistry, 2020, 11, 6763-6771.	3.9	9
21	Tunable nanogels by hostâ€“guest interaction with carboxylate pillar[5]arene for controlled encapsulation and release of doxorubicin. Nanoscale, 2020, 12, 13595-13605.	5.6	6
22	Straightforward Access to Glycosylated, Acid Sensitive Nanogels by Hostâ€“Guest Interactions with Sugar-Modified Pillar[5]arenes. ACS Macro Letters, 2020, 9, 540-545.	4.8	11
23	Degradable polycaprolactone nanoparticles stabilized <i>via</i> supramolecular hostâ€“guest interactions with pH-responsive polymer-pillar[5]arene conjugates. Polymer Chemistry, 2020, 11, 1985-1997.	3.9	4
24	Influence of Core Cross-Linking and Shell Composition of Polymeric Micelles on Immune Response and Their Interaction with Human Monocytes. Biomacromolecules, 2020, 21, 1393-1406.	5.4	13
25	Unraveling the kinetics of the structural development during polymerization-induced self-assembly: decoupling the polymerization and the micelle structure. Polymer Chemistry, 2020, 11, 1514-1524.	3.9	34
26	Tuning of endosomal escape and gene expression by functional groups, molecular weight and transfection medium: a structureâ€“activity relationship study. Journal of Materials Chemistry B, 2020, 8, 5026-5041.	5.8	20
27	Supramolecular polymer bottlebrushes. Chemical Communications, 2020, 56, 5079-5110.	4.1	36
28	Oneâ€Pot Synthesis of Block Copolymers by a Combination of Living Cationic and Controlled Radical Polymerization. Macromolecular Rapid Communications, 2019, 40, e1800398.	3.9	16
29	Dual self-assembly of supramolecular peptide nanotubes to provide stabilisation in water. Nature Communications, 2019, 10, 4708.	12.8	63
30	The influence of directed hydrogen bonds on the self-assembly of amphiphilic polymers in water. Journal of Colloid and Interface Science, 2019, 557, 488-497.	9.4	14
31	Shaping block copolymer micelles by supramolecular polymerization: making â€˜tubisomesâ€™. Polymer Chemistry, 2019, 10, 2616-2625.	3.9	16
32	Poly(3-hexylthiophene)-<i>block</i>-poly(tetrabutylammonium-4-styrenesulfonate) Block Copolymer Micelles for the Synthesis of Polymer Semiconductor Nanocomposites. ACS Applied Nano Materials, 2019, 2, 2133-2143.	5.0	8
33	Predictive Strength of Photophysical Measurements for in Vitro Photobiological Activity in a Series of Ru(II) Polypyridyl Complexes Derived from Ï€-Extended Ligands. Inorganic Chemistry, 2019, 58, 3156-3166.	4.0	29
34	Smart pH-Sensitive Nanogels for Controlled Release in an Acidic Environment. Biomacromolecules, 2019, 20, 130-140.	5.4	43
35	Accelerating the acidic degradation of a novel thermoresponsive polymer by hostâ€“guest interaction. Polymer Chemistry, 2018, 9, 2634-2642.	3.9	9
36	Influence of Aspartate Moieties on the Selfâ€Healing Behavior of Histidineâ€Rich Supramolecular Polymers. Macromolecular Rapid Communications, 2018, 39, e1700742.	3.9	8

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37	Imaging Proton Transport in Giant Vesicles through Cyclic Peptideâ€"Polymer Conjugate Nanotube Transmembrane Ion Channels. Macromolecular Rapid Communications, 2018, 39, e1700831.	3.9	9
38	How To Tune the Gene Delivery and Biocompatibility of Poly(2-(4-aminobutyl)-2-oxazoline) by Self- and Coassembly. Biomacromolecules, 2018, 19, 748-760.	5.4	13
39	Oxidation-responsive micelles by a one-pot polymerization-induced self-assembly approach. Polymer Chemistry, 2018, 9, 1593-1602.	3.9	55
40	Beyond Gene Transfection with Methacrylate-Based Polyplexesâ€"The Influence of the Amino Substitution Pattern. Bioconjugate Chemistry, 2018, 29, 2181-2194.	3.6	26
41	Cyclic peptide-poly(HPMA) nanotubes as drug delivery vectors: InÂvitro assessment, pharmacokinetics and biodistribution. Biomaterials, 2018, 178, 570-582.	11.4	47
42	Block Copolymer Selfâ€Assembly in Solutionâ€"Quo Vadis?. Chemistry - an Asian Journal, 2018, 13, 230-239.	3.3	55
43	Probing the Dynamic Nature of Selfâ€Assembling Cyclic Peptideâ€"Polymer Nanotubes in Solution and in Mammalian Cells. Advanced Functional Materials, 2018, 28, 1704569.	14.9	39
44	Cyclic Peptideâ€"Polymer Nanotubes as Efficient and Highly Potent Drug Delivery Systems for Organometallic Anticancer Complexes. Biomacromolecules, 2018, 19, 239-247.	5.4	74
45	Secondary Selfâ€Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. Angewandte Chemie, 2018, 130, 16920-16924.	2.0	9
46	Secondary Selfâ€Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. Angewandte Chemie - International Edition, 2018, 57, 16678-16682.	13.8	45
47	Macromol. Rapid Commun. 17/2018. Macromolecular Rapid Communications, 2018, 39, 1870041.	3.9	0
48	Poly(2-acrylamidoglycolic acid) (PAGA): Controlled Polymerization Using RAFT and Chelation of Metal Cations. Macromolecules, 2018, 51, 7284-7294.	4.8	18
49	Pharmapolymers in the 21st century: Synthetic polymers in drug delivery applications. Progress in Polymer Science, 2018, 87, 107-164.	24.7	177
50	Systematic study of the structural parameters affecting the self-assembly of cyclic peptideâ€"poly(ethylene glycol) conjugates. Soft Matter, 2018, 14, 6320-6326.	2.7	24
51	pNTQS: Easily Accessible High-Capacity Redox-Active Polymer for Organic Battery Electrodes. ACS Applied Energy Materials, 2018, 1, 3554-3559.	5.1	11
52	SuFEx â€" a selectively triggered chemistry for fast, efficient and equimolar polymerâ€"polymer coupling reactions. Polymer Chemistry, 2017, 8, 7475-7485.	3.9	27
53	RAFT polymerization and thioâ€bromo substitution: An efficient way towards wellâ€defined glycopolymers. Journal of Polymer Science Part A, 2017, 55, 3617-3626.	2.3	5
54	pH-Responsive, Amphiphilic Coreâ€"Shell Supramolecular Polymer Brushes from Cyclic Peptideâ€"Polymer Conjugates. ACS Macro Letters, 2017, 6, 1347-1351.	4.8	46

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55	The influence of the grafting density of glycopolymers on the lectin binding affinity of block copolymer micelles. Polymer, 2017, 133, 205-212.	3.8	7
56	Tunable Length of Cyclic Peptideâ€"Polymer Conjugate Self-Assemblies in Water. ACS Macro Letters, 2016, 5, 1119-1123.	4.8	48
57	Efficient click-addition sequence for polymerâ€"polymer couplings. Polymer Chemistry, 2016, 7, 5536-5543.	3.9	24
58	Poly(bromoethyl acrylate): A Reactive Precursor for the Synthesis of Functional RAFT Materials. Macromolecules, 2016, 49, 6203-6212.	4.8	34
59	Cyclic peptideâ€"polymer conjugates: Graftingâ€to vs graftingâ€from. Journal of Polymer Science Part A, 2016, 54, 1003-1011.	2.3	49
60	Controlled Synthesis of Water-Soluble Conjugated Polyelectrolytes Leading to Excellent Hole Transport Mobility. Chemistry of Materials, 2014, 26, 1992-1998.	6.7	46
61	A High Transconductance Accumulation Mode Electrochemical Transistor. Advanced Materials, 2014, 26, 7450-7455.	21.0	151
62	Fullerene-Grafted Copolymers Exhibiting High Electron Mobility without Nanocrystal Formation. Macromolecules, 2014, 47, 2324-2332.	4.8	21
63	Macroscopic Vertical Alignment of Nanodomains in Thin Films of Semiconductor Amphiphilic Block Copolymers. ACS Nano, 2013, 7, 6069-6078.	14.6	20
64	Semiconductor amphiphilic block copolymers for hybrid donorâ€"acceptor nanocomposites. Journal of Materials Chemistry, 2012, 22, 24386.	6.7	14
65	Solid-state dye-sensitized solar cells fabricated with nanoporous TiO2 and TPD dyes: Analysis of penetration behavior and Iâ€"V characteristics. Chemical Physics Letters, 2011, 510, 93-98.	2.6	16
66	Solid-State Dye-Sensitized Solar Cells Using Red and Near-IR Absorbing Bodipy Sensitizers. Organic Letters, 2010, 12, 3812-3815.	4.6	177
67	Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 7255.	6.7	11
68	Tuneable time delay in the burst release from oxidation sensitive polymersomes made by PISA. Angewandte Chemie, 0, , .	2.0	0
69	Oxa-Michael polyaddition of vinylsulfonylethanol for aliphatic polyethersulfones. Polymer Chemistry, 0, , .	3.9	9