Johannes C Brendel

List of Publications by Year
in descending order

69 papers	1,847 citations	279798 23 h-index	289244 40 g-index
71 all docs	71 docs citations	71 times ranked	2541 citing authors

#	Article	IF	Citations
1	Solid-State Dye-Sensitized Solar Cells Using Red and Near-IR Absorbing Bodipy Sensitizers. Organic Letters, 2010, 12, 3812-3815.	4.6	177
2	Pharmapolymers in the 21st century: Synthetic polymers in drug delivery applications. Progress in Polymer Science, 2018, 87, 107-164.	24.7	177
3	A High Transconductance Accumulation Mode Electrochemical Transistor. Advanced Materials, 2014, 26, 7450-7455.	21.0	151
4	Cyclic Peptideâ€"Polymer Nanotubes as Efficient and Highly Potent Drug Delivery Systems for Organometallic Anticancer Complexes. Biomacromolecules, 2018, 19, 239-247.	5.4	74
5	Dual self-assembly of supramolecular peptide nanotubes to provide stabilisation in water. Nature Communications, 2019, 10, 4708.	12.8	63
6	Oxidation-responsive micelles by a one-pot polymerization-induced self-assembly approach. Polymer Chemistry, 2018, 9, 1593-1602.	3.9	55
7	Block Copolymer Selfâ€Assembly in Solutionâ€"Quo Vadis?. Chemistry - an Asian Journal, 2018, 13, 230-239.	3.3	55
8	Cyclic peptideâ€"polymer conjugates: Graftingâ€to vs graftingâ€from. Journal of Polymer Science Part A, 2016, 54, 1003-1011.	2.3	49
9	Tunable Length of Cyclic Peptideâ€"Polymer Conjugate Self-Assemblies in Water. ACS Macro Letters, 2016, 5, 1119-1123.	4.8	48
10	Cyclic peptide-poly(HPMA) nanotubes as drug delivery vectors: InÂvitro assessment, pharmacokinetics and biodistribution. Biomaterials, 2018, 178, 570-582.	11.4	47
11	Controlled Synthesis of Water-Soluble Conjugated Polyelectrolytes Leading to Excellent Hole Transport Mobility. Chemistry of Materials, 2014, 26, 1992-1998.	6.7	46
12	pH-Responsive, Amphiphilic Coreâ€"Shell Supramolecular Polymer Brushes from Cyclic Peptideâ€"Polymer Conjugates. ACS Macro Letters, 2017, 6, 1347-1351.	4.8	46
13	Secondary Selfâ€Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. Angewandte Chemie - International Edition, 2018, 57, 16678-16682.	13.8	45
14	Smart pH-Sensitive Nanogels for Controlled Release in an Acidic Environment. Biomacromolecules, 2019, 20, 130-140.	5.4	43
15	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
16	Printable ionic liquid-based gel polymer electrolytes for solid state all-organic batteries. Energy Storage Materials, 2020, 25, 750-755.	18.0	36
17	Supramolecular polymer bottlebrushes. Chemical Communications, 2020, 56, 5079-5110.	4.1	36
18	Poly(bromoethyl acrylate): A Reactive Precursor for the Synthesis of Functional RAFT Materials. Macromolecules, 2016, 49, 6203-6212.	4.8	34

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	SuFEx â€“ a selectively triggered chemistry for fast, efficient and equimolar polymerâ€“polymer coupling reactions. Polymer Chemistry, 2017, 8, 7475-7485.	3.9	27
22	Beyond Gene Transfection with Methacrylate-Based Polyplexesâ€"The Influence of the Amino Substitution Pattern. Bioconjugate Chemistry, 2018, 29, 2181-2194.	3.6	26
23	Efficient click-addition sequence for polymerâ€“polymer couplings. Polymer Chemistry, 2016, 7, 5536-5543.	3.9	24
24	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
25	Emulsion Polymerizations for a Sustainable Preparation of Efficient TEMPOâ€based Electrodes. ChemSusChem, 2021, 14, 449-455.	6.8	23
26	Fullerene-Grafted Copolymers Exhibiting High Electron Mobility without Nanocrystal Formation. Macromolecules, 2014, 47, 2324-2332.	4.8	21
27	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
28	Macroscopic Vertical Alignment of Nanodomains in Thin Films of Semiconductor Amphiphilic Block Copolymers. ACS Nano, 2013, 7, 6069-6078.	14.6	20
29	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
30	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
31	Poly(2-acrylamidoglycolic acid) (PAGA): Controlled Polymerization Using RAFT and Chelation of Metal Cations. Macromolecules, 2018, 51, 7284-7294.	4.8	18
32	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
33	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
34	Shaping block copolymer micelles by supramolecular polymerization: making â€˜tubisomesâ€™. Polymer Chemistry, 2019, 10, 2616-2625.	3.9	16
35	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
36	Semiconductor amphiphilic block copolymers for hybrid donorâ€“acceptor nanocomposites. Journal of Materials Chemistry, 2012, 22, 24386.	6.7	14

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37	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
38	Improved gene delivery to K-562 leukemia cells by lipoic acid modified block copolymer micelles. Journal of Nanobiotechnology, 2021, 19, 70.	9.1	14
39	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
40	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
41	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
42	Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 7255.	6.7	11
43	pNTQS: Easily Accessible High-Capacity Redox-Active Polymer for Organic Battery Electrodes. ACS Applied Energy Materials, 2018, 1, 3554-3559.	5.1	11
44	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
45	Unraveling Decisive Structural Parameters for the Self-Assembly of Supramolecular Polymer Bottlebrushes Based on Benzene Trisureas. Macromolecules, 2020, 53, 7552-7560.	4.8	10
46	Accelerating the acidic degradation of a novel thermoresponsive polymer by hostâ€“guest interaction. Polymer Chemistry, 2018, 9, 2634-2642.	3.9	9
47	Imaging Proton Transport in Giant Vesicles through Cyclic Peptideâ€“Polymer Conjugate Nanotube Transmembrane Ion Channels. Macromolecular Rapid Communications, 2018, 39, e1700831.	3.9	9
48	Secondary Selfâ€Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. Angewandte Chemie, 2018, 130, 16920-16924.	2.0	9
49	Impact of amino acids on the aqueous self-assembly of benzenetrispeptides into supramolecular polymer bottlebrushes. Polymer Chemistry, 2020, 11, 6763-6771.	3.9	9
50	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
51	Oxa-Michael polyaddition of vinylsulfonylethanol for aliphatic polyethersulfones. Polymer Chemistry, 0, , .	3.9	9
52	Influence of Aspartate Moieties on the Selfâ€Healing Behavior of Histidineâ€Rich Supramolecular Polymers. Macromolecular Rapid Communications, 2018, 39, e1700742.	3.9	8
53	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
54	ROSâ€Sensitive Polymer Micelles for Selective Degradation in Primary Human Monocytes from Patients with Active IBD. Macromolecular Bioscience, 2022, 22, e2100482.	4.1	8

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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	Adaptation of electrodes and printable gel polymer electrolytes for optimized fully organic batteries. Journal of Polymer Science, 2021, 59, 494-501.	3.8	7
57	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
58	Kinetically Controlling the Length of Self-Assembled Polymer Nanofibers Formed by Intermolecular Hydrogen Bonds. ACS Macro Letters, 2021, 10, 837-843.	4.8	6
59	Shear-Thinning and Rapidly Recovering Hydrogels of Polymeric Nanofibers Formed by Supramolecular Self-Assembly. Chemistry of Materials, 2022, 34, 2206-2217.	6.7	6
60	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
61	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
62	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
63	Adjusting the length of supramolecular polymer bottlebrushes by top-down approaches. Beilstein Journal of Organic Chemistry, 2021, 17, 2621-2628.	2.2	3
64	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
65	Stimuli-Responsive Thiomorpholine Oxide-Derived Polymers with Tailored Hydrophilicity and Hemocompatible Properties. Molecules, 2022, 27, 4233.	3.8	2
66	Macromol. Rapid Commun. 17/2018. Macromolecular Rapid Communications, 2018, 39, 1870041.	3.9	0
67	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
68	Tuneable time delay in the burst release from oxidation sensitive polymersomes made by PISA. Angewandte Chemie, 0, , .	2.0	0
69	Trendbericht: Makromolekulare Chemie. Nachrichten Aus Der Chemie, 2021, 69, 56-67.	0.0	0