Jens Gaitzsch

List of Publications by Year
in descending order

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40 papers	2,199 citations	304743 22 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	2880 citing authors

#	Article	IF	Citations
1	Redox-sensitive ferrocene functionalised double cross-linked supramolecular hydrogels. Polymer Chemistry, 2022, 13, 427-438.	3.9	7
2	Reversible Protein Capture and Release by Redox-Responsive Hydrogel in Microfluidics. Polymers, 2022, 14, 267.	4.5	5
3	The chemistry of cross-linked polymeric vesicles and their functionalization towards biocatalytic nanoreactors. Colloid and Polymer Science, 2021, 299, 309-324.	2.1	12
4	Fully amorphous atactic and isotactic block copolymers and their self-assembly into nano- and microscopic vesicles. Polymer Chemistry, 2021, 12, 5377-5389.	3.9	5
5	Synthesis and complex self-assembly of amphiphilic block copolymers with a branched hydrophobic poly(2-oxazoline) into multicompartment micelles, pseudo-vesicles and yolk/shell nanoparticles. Polymer Chemistry, 2020, 11, 1237-1248.	3.9	38
6	One-Pot Synthesis of an Amphiphilic ABC Triblock Copolymer PEO-b-PEHOx-b-PEtOz and Its Self-Assembly into Nanoscopic Asymmetric Polymersomes. Macromolecules, 2020, 53, 11040-11050.	4.8	15
7	Deepening the insight into poly(butylene oxide)-block-poly(glycidol) synthesis and self-assemblies: micelles, worms and vesicles. RSC Advances, 2020, 10, 22701-22711.	3.6	7
8	Updating radical ring-opening polymerisation of cyclic ketene acetals from synthesis to degradation. European Polymer Journal, 2020, 134, 109851.	5.4	25
9	Double cross-linked supramolecular hydrogels with tunable properties based on hostâ€“guest interactions. Soft Matter, 2020, 16, 6733-6742.	2.7	21
10	Directed Insertion of Light-Activated Proteorhodopsin into Asymmetric Polymersomes from an ABC Block Copolymer. Nano Letters, 2019, 19, 2503-2508.	9.1	30
11	Novel monomers in radical ring-opening polymerisation for biodegradable and pH responsive nanoparticles. Polymer Chemistry, 2019, 10, 5285-5288.	3.9	22
12	Revisiting monomer synthesis and radical ring opening polymerization of dimethylated MDO towards biodegradable nanoparticles for enzymes. European Polymer Journal, 2018, 101, 113-119.	5.4	22
13	Synthesis of Linear <scp>ABC</scp> Triblock Copolymers and Their Selfâ€Assembly in Solution. Helvetica Chimica Acta, 2018, 101, e1700287.	1.6	31
14	Bottom-Up Evolution of Vesicles from Disks to High-Genus Polymersomes. IScience, 2018, 7, 132-144.	4.1	29
15	Delivery of <scp>ROS</scp> Generating Anthraquinones Using Reductionâ€Responsive Peptideâ€Based Nanoparticles. Helvetica Chimica Acta, 2018, 101, e1800064.	1.6	4
16	Dynamic Docking and Undocking Processes Addressing Selectively the Outside and Inside of Polymersomes. Macromolecular Rapid Communications, 2017, 38, 1700486.	3.9	20
17	Chemotactic synthetic vesicles: Design and applications in blood-brain barrier crossing. Science Advances, 2017, 3, e1700362.	10.3	215
18	Vesicles in Multiple Shapes: Fine-Tuning Polymersomesâ€™ Shape and Stability by Setting Membrane Hydrophobicity. Polymers, 2017, 9, 483.	4.5	8

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19	Comparison of metal free polymerâ€“dye conjugation strategies in protic solvents. Polymer Chemistry, 2016, 7, 3046-3055.	3.9	19
20	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. Molecular Cancer Therapeutics, 2016, 15, 670-679.	4.1	68
21	Biomimetic Hybrid Nanocontainers with Selective Permeability. Angewandte Chemie, 2016, 128, 11272-11275.	2.0	14
22	Biomimetic Hybrid Nanocontainers with Selective Permeability. Angewandte Chemie - International Edition, 2016, 55, 11106-11109.	13.8	92
23	iRGD peptide conjugation potentiates intraperitoneal tumor delivery of paclitaxel with polymersomes. Biomaterials, 2016, 104, 247-257.	11.4	123
24	Vesikel aus Polymeren. Nachrichten Aus Der Chemie, 2016, 64, 965-967.	0.0	1
25	Molecular engineering of polymersome surface topology. Science Advances, 2016, 2, e1500948.	10.3	56
26	Purification of Nanoparticles by Size and Shape. Scientific Reports, 2016, 6, 27494.	3.3	169
27	Self-Assembly of Amphiphilic Block Copolypeptoids â€“ Micelles, Worms and Polymersomes. Scientific Reports, 2016, 6, 33491.	3.3	61
28	Synthesis of an Amphiphilic Miktoarm Star Terpolymer for Self-Assembly into Patchy Polymersomes. ACS Macro Letters, 2016, 5, 351-354.	4.8	27
29	Engineering Functional Polymer Capsules toward Smart Nanoreactors. Chemical Reviews, 2016, 116, 1053-1093.	47.7	337
30	Nanoscale detection of metal-labeled copolymers in patchy polymersomes. Polymer Chemistry, 2015, 6, 2065-2068.	3.9	26
31	Peptoidosomes as nanoparticles from amphiphilic block alpha-peptoids using solid-phase-synthesis. European Polymer Journal, 2015, 73, 447-454.	5.4	10
32	Synthesis of m-Terphenyl Derivatives via Domino Dielsâ€“Alder/Retro-Dielsâ€“Alder Reaction of 1,3-Dienic Î´-Sultones with Alkynes. Synthesis, 2014, 46, 531-536.	2.3	7
33	Novel aspects of encapsulation and delivery using polymersomes. Current Opinion in Pharmacology, 2014, 18, 104-111.	3.5	114
34	Cross-linked and pH sensitive supported polymer bilayers from polymersomes â€“ studies concerning thickness, rigidity and fluidity. Soft Matter, 2014, 10, 75-82.	2.7	16
35	Cross-linked polymersomes as nanoreactors for controlled and stabilized single and cascade enzymatic reactions. Nanoscale, 2014, 6, 10752-10761.	5.6	120
36	Cellular Interactions with Photo-Cross-Linked and pH-Sensitive Polymersomes: Biocompatibility and Uptake Studies. Biomacromolecules, 2012, 13, 4188-4195.	5.4	33

#	Article	IF	Citations
37	Synthetic Bioâ€nanoreactor: Mechanical and Chemical Control of Polymersome Membrane Permeability. Angewandte Chemie - International Edition, 2012, 51, 4448-4451.	13.8	246
38	Photo-crosslinked and pH sensitive polymersomes for triggering the loading and release of cargo. Chemical Communications, 2011, 47, 3466.	4.1	71
39	Simple and practical one-step synthesis of new 1,3-dienic Î´-sultones from terminal alkynes and some synthetic applications of these compounds. Journal of Sulfur Chemistry, 2011, 32, 3-16.	2.0	5
40	The first example of a domino Diels-Alder/retro-Diels-Alder reaction of 1,3-dienic Î´-sultones with alkynes: a simple synthesis of m-terphenyl dicarboxy derivatives from 4,6-diphenyl-[1,2]oxathiine 2,2-dioxide. Journal of Sulfur Chemistry, 2009, 30, 4-9.	2.0	11