

Matthias M L Arras

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

447
citations

840776

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all docs

30
docs citations

30
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospinning of aligned fibers with adjustable orientation using auxiliary electrodes. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 035008.	6.1	92
2	<i>In Situ</i> Formation of Nanohybrid Shish-Kebabs during Electrospinning for the Creation of Hierarchical Shish-Kebab Structures. <i>Macromolecules</i> , 2016, 49, 3550-3558.	4.8	43
3	Electrodynamic control of the nanofiber alignment during electrospinning. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	42
4	Biomimetic 3D hydroxyapatite architectures with interconnected pores based on electrospun biaxially orientated PCL nanofibers. <i>RSC Advances</i> , 2014, 4, 14833-14839.	3.6	41
5	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. <i>Nano Letters</i> , 2018, 18, 2525-2529.	9.1	37
6	Bulk and Surface Morphologies of ABC Miktoarm Star Terpolymers Composed of PDMS, PI, and PMMA Arms. <i>Macromolecules</i> , 2018, 51, 1041-1051.	4.8	18
7	Responsive copolymer-graphene oxide hybrid microspheres with enhanced drug release properties. <i>RSC Advances</i> , 2017, 7, 3720-3726.	3.6	17
8	Extended-Chain Induced Bulk Morphologies Occur at Surfaces of Thin Co-Oligomer Films. <i>Macromolecules</i> , 2012, 45, 4740-4748.	4.8	15
9	Alignment of multi-wall carbon nanotubes by disentanglement in ultra-thin melt-drawn polymer films. <i>Carbon</i> , 2013, 60, 366-378.	10.3	15
10	Studies on the 3-Lamellar Morphology of Miktoarm Terpolymers. <i>Macromolecules</i> , 2018, 51, 7491-7499.	4.8	14
11	pH-Dependent Ordered Fibrinogen Adsorption on Polyethylene Single Crystals. <i>Langmuir</i> , 2016, 32, 11868-11877.	3.5	13
12	High molar mass amphiphilic block copolymer enables alignment and dispersion of unfunctionalized carbon nanotubes in melt-drawn thin-films. <i>Polymer</i> , 2017, 127, 15-27.	3.8	11
13	Enveloping Self-Assembly of Carbon Nanotubes at Copolymer Micelle Cores. <i>Langmuir</i> , 2014, 30, 14263-14269.	3.5	10
14	How the Calorimetric Properties of a Crystalline Copolymer Correlate to Its Surface Nanostructures. <i>Macromolecules</i> , 2014, 47, 1705-1714.	4.8	9
15	Isotope Effects on the Crystallization Kinetics of Selectively Deuterated Poly(ϵ -Caprolactone). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 771-779.	2.1	9
16	Mechanisms and kinetics of the crystal thickening of poly(butadiene)-block-poly(ethylene oxide) during annealing within the melting range. <i>European Polymer Journal</i> , 2015, 68, 10-20.	5.4	8
17	Nanocrystal Width Controls Fibrinogen Orientation and Assembly Kinetics on Poly(butene-1) Surfaces. <i>Langmuir</i> , 2017, 33, 6563-6571.	3.5	8
18	Lipid shape determination of detergent solubilization in mixed-lipid liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110609.	5.0	8

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19	Nanoconfinement and Sansetsukon-like Nanocrawling Govern Fibrinogen Dynamics and Self-Assembly on Nanostructured Polymeric Surfaces. <i>Langmuir</i> , 2018, 34, 14309-14316.	3.5	7
20	On the morphological behavior of ABC miktoarm stars containing poly(cis 1,4-isoprene), poly(styrene), and poly(2-vinylpyridine). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1491-1504.	2.1	6
21	Alternating crystalline lamellar structures from thermodynamically miscible poly(μ -caprolactone) H/D blends. <i>Polymer</i> , 2019, 175, 320-328.	3.8	5
22	3D model of intra-yarn fiber volume fraction gradients of woven fabrics. <i>Composite Structures</i> , 2017, 180, 944-954.	5.8	4
23	Chain arrangements of selectively deuterated poly(μ -caprolactone) copolymers as revealed by neutron scattering. <i>Polymer</i> , 2020, 193, 122375.	3.8	4
24	Modeling the saturation of detergent association in mixed liposome systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111927.	5.0	3
25	Indirect morphological analysis of particles in polymer particle composites via non-destructive permittivity measurements. <i>Composites Science and Technology</i> , 2019, 169, 176-185.	7.8	2
26	Polystyrene Homopolymer Enhances Dispersion of MWCNTs Stabilized in Solution by a PS-b-P2VP Copolymer. <i>Langmuir</i> , 2021, 37, 391-399.	3.5	2
27	Classifying condition of ultra-high-molecular-weight polyethylene ropes with wide-angle X-ray scattering. <i>Polymer Testing</i> , 2022, 109, 107524.	4.8	2
28	An advanced geometrical model for laminated woven fabrics using Lam ^Å exponents with enhanced accuracy. <i>Journal of Composite Materials</i> , 2018, 52, 1443-1455.	2.4	1
29	Acetabular Cup with a Trabecular Coating: A Novel Approach to a Monolithic Cup Made of One High-strength Ceramic Material. <i>Advanced Engineering Materials</i> , 2018, 20, 1800230.	3.5	1
30	Optofluidic Chip System with Integrated Fluidically Controllable Optics. , 2009, , .		0