

Joey Mead

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,159
citations

430442

18
h-index

395343

33
g-index

56
all docs

56
docs citations

56
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Core-Sheath Nanofibers from Conducting Polymer Blends. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1127-1132.	2.0	145
2	Core-Sheath Structure in Electrospun Nanofibers from Polymer Blends. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 1307-1314.	1.7	118
3	3D-Printable PP/SEBS Thermoplastic Elastomeric Blends: Preparation and Properties. <i>Polymers</i> , 2019, 11, 347.	2.0	89
4	Microscopic measurement of the degree of mixing for nanoparticles in polymer nanocomposites by TEM images. <i>Microscopy Research and Technique</i> , 2007, 70, 539-546.	1.2	55
5	Controlling Fiber Repulsion in Multijet Electrospinning for Higher Throughput. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 701-708.	1.7	54
6	Hierarchical Structures Composed of Confined Carbon Nanotubes in Cocontinuous Ternary Polymer Blends. <i>Macromolecules</i> , 2013, 46, 1851-1859.	2.2	53
7	Directed assembly of gold nanoparticle nanowires and networks for nanodevices. <i>Applied Physics Letters</i> , 2007, 91, 063101.	1.5	46
8	Properties and Dispersion of EPDM/Modified-Organoclay Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 329-338.	1.7	44
9	Effect of fill factor and validation of characterizing the degree of mixing in polymer nanocomposites. <i>Polymer Engineering and Science</i> , 2007, 47, 2049-2056.	1.5	36
10	End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. <i>Environmental Science: Nano</i> , 2016, 3, 1293-1305.	2.2	31
11	Directed Assembly of Polymer Blends Using Nanopatterned Templates. <i>Advanced Materials</i> , 2009, 21, 794-798.	11.1	30
12	Passive wireless displacement sensor based on RFID technology. <i>Sensors and Actuators A: Physical</i> , 2013, 190, 197-202.	2.0	29
13	Effect of Superhydrophobic Composite Coatings on Drag Reduction in Laminar Flow. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1614-1622.	2.0	29
14	Effect of Spin Speed and Solution Concentration on the Directed Assembly of Polymer Blends. <i>Macromolecules</i> , 2010, 43, 9747-9753.	2.2	28
15	The effects of recycling on the properties of carbon nanotube-filled polypropylene composites and worker exposures. <i>Environmental Science: Nano</i> , 2016, 3, 409-417.	2.2	27
16	Antibody orientation enhanced by selective polymer-protein noncovalent interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1531-1538.	1.9	24
17	Large Strain Viscoelastic Constitutive Models for Rubber, Part II: Determination of Material Constants. <i>Rubber Chemistry and Technology</i> , 1995, 68, 230-247.	0.6	20
18	Evidences for π -interactions between pyridine modified copolymer and carbon nanotubes and its role as a compatibilizer in poly(methyl methacrylate) composites. <i>Composites Science and Technology</i> , 2013, 79, 133-139.	3.8	20

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19	Fabrication of Flexible Polymer Molds for Polymer Microstructuring by Roll-to-Roll Hot Embossing. ACS Omega, 2019, 4, 12480-12488.	1.6	19
20	Heat Resistant Elastomers. Rubber Chemistry and Technology, 2005, 78, 489-515.	0.6	17
21	Numerical simulation of phase separation of immiscible polymer blends on a heterogeneously functionalized substrate. Journal of Chemical Physics, 2008, 128, 224909.	1.2	17
22	Nanomanufacturing and sustainability: opportunities and challenges. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	15
23	The effect of composition and thermodynamics on the surface morphology of durable superhydrophobic polymer coatings. Nanotechnology, Science and Applications, 2017, Volume 10, 53-68.	4.6	15
24	Surface morphology alignment of block copolymers induced by injection molding. Polymer, 2009, 50, 5837-5845.	1.8	14
25	Refractive index matching for high light transmission composite systems. Journal of Composite Materials, 2018, 52, 3299-3307.	1.2	14
26	Multiscale Directed Assembly of Polymer Blends Using Chemically Functionalized Nanoscale Patterned Templates. Small, 2009, 5, 2788-2791.	5.2	13
27	Continuous manufacturing of reentrant structures via roll-to-roll process. Journal of Applied Polymer Science, 2019, 136, 46980.	1.3	11
28	Effect of Protein Adsorption on Air Plastron Behavior of a Superhydrophobic Surface. ACS Applied Materials & Interfaces, 2021, 13, 58096-58103.	4.0	11
29	Verification of numerical simulation of the self-assembly of polymer-polymer-solvent ternary blends on a heterogeneously functionalized substrate. Polymer, 2011, 52, 1447-1457.	1.8	10
30	Nonlinear response and thermomechanical degradation of a urethane elastomer. Polymer Engineering and Science, 1987, 27, 131-140.	1.5	9
31	Fabrication of Patterned Conducting Polymers on Insulating Polymeric Substrates by Electric-Field-Assisted Assembly and Pattern Transfer. Macromolecular Rapid Communications, 2006, 27, 1826-1832.	2.0	9
32	HALOGEN-FREE FLAME RETARDANTS FOR WIRE AND CABLE APPLICATIONS. Rubber Chemistry and Technology, 2010, 83, 282-302.	0.6	9
33	Enhanced protein binding on femtosecond laser ablated poly(methyl methacrylate) surfaces. Applied Physics Letters, 2011, 98, 171101.	1.5	9
34	PREPARATION AND PROPERTIES OF STYRENE-BUTADIENE RUBBER/CLAY NANOCOMPOSITES BY USING LIQUID RUBBER/CLAY MASTER BATCHES. Rubber Chemistry and Technology, 2013, 86, 96-108.	0.6	8
35	The effects of recycling on the structure and properties of carbon nanotube-filled polycarbonate. Polymer Engineering and Science, 2018, 58, 1278-1284.	1.5	8
36	Electrical Properties Enhancement of Carbon Nanotube Yarns by Cyclic Loading. Molecules, 2020, 25, 4824.	1.7	8

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37	Precise Pattern Replication of Polymer Blends into Nonuniform Geometries via Reducing Interfacial Tension between Two Polymers. <i>Langmuir</i> , 2012, 28, 10238-10245.	1.6	7
38	Pyridine-Modified Polymer as a Non-Covalent Compatibilizer for Multi-Walled CNT/Poly[ethylene (methacrylic acid)] Composites Fabricated by Direct Melt Mixing. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 419-428.	1.7	7
39	INJECTION MOLDING OF THERMOPLASTIC ELASTOMERS FOR MICROSTRUCTURED SUBSTRATES. <i>Rubber Chemistry and Technology</i> , 2014, 87, 629-646.	0.6	7
40	The effect of composite interface morphology on wetting states for nanocomposite superhydrophobic coating. <i>Surface and Coatings Technology</i> , 2020, 387, 125457.	2.2	7
41	Evaluating Superhydrophobic Surfaces under External Pressures using Quartz Crystal Microbalance. <i>Langmuir</i> , 2021, 37, 6650-6659.	1.6	7
42	The effect of superhydrophobic surface topography on underwater corrosion resistance of steel. <i>Journal of Coatings Technology Research</i> , 2021, 18, 685-693.	1.2	6
43	Printed planar tunable composite right/left-handed leaky-wave antenna based on a tunable polymer-BST substrate. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 626-637.	0.9	5
44	Numerical simulation of the self-assembly of a polymer-polymer-solvent ternary system on a heterogeneously functionalized substrate. <i>Polymer Engineering and Science</i> , 2010, 50, 2329-2339.	1.5	4
45	Tin assisted transfer of electroplated metal nanostructures and its application in flexible chiral metamaterials. <i>Microelectronic Engineering</i> , 2013, 107, 42-49.	1.1	3
46	Directed assembly of conducting polymers on sub-micron templates by electrical fields. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 190-201.	1.7	3
47	Nanomanufacturing and sustainability: opportunities and challenges. , 2013, , 331-336.		3
48	Printed tunable frequency selective surface on a developed flexible functionalized ceramic-polymer based substrate. , 2016, , .		2
49	Extrusion of highly filled flexible polymer sheet. <i>Polymer Engineering and Science</i> , 2020, 60, 2782-2792.	1.5	2
50	Pyridine modified polyethylene copolymer compatibilizer for melt blended carbon nanotube composites: effects of chain structure and matrix viscosity. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1509-1514.	1.6	1
51	IMPROVED ADHESION IN ELASTOMERIC LAMINATES USING ELASTOMER BLENDS. <i>Rubber Chemistry and Technology</i> , 2022, 95, 465-478.	0.6	1
52	THE EFFECT OF MIXED FILLER SIZES ON THE FIBER DIAMETER OF ELECTROSPUN BUTYL RUBBER FORMULATIONS. <i>Rubber Chemistry and Technology</i> , 2010, 83, 349-357.	0.6	0
53	913...Nanoparticle emission during cutting operation of carbon nanotube reinforced polycarbonate composites and recycling effect. , 2018, , .		0
54	Nanomanufacturing Processes Using Polymeric Materials. , 2006, , 313-350.		0

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55	Multiscale Processing of Polymers and Nanocomposites. , 2007, , 30-1-30-32.		0