Jesper deClaville Christiansen

List of Publications by Year
in descending order

163 papers	2,519 citations	236925 25 h-index	276875 41 g-index
165 all docs	165 docs citations	165 times ranked	2519 citing authors

#	Article	IF	Citations
1	Closing the loop for PET, PE and PP waste from households: Influence of material properties and product design for plastic recycling. Waste Management, 2019, 96, 75-85.	7.4	183
2	Determination of the fictive temperature for a hyperquenched glass. Chemical Physics Letters, 2002, 357, 20-24.	2.6	124
3	Model for anomalous moisture diffusion through a polymer-clay nanocomposite. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 476-492.	2.1	90
4	Physical aging in a hyperquenched glass. Applied Physics Letters, 2002, 81, 2983-2985.	3.3	71
5	Viscoelasticity, viscoplasticity, and creep failure of polypropylene/clay nanocomposites. Composites Science and Technology, 2009, 69, 2596-2603.	7.8	61
6	Modeling the effects of pH and ionic strength on swelling of polyelectrolyte gels. Journal of Chemical Physics, 2015, 142, 114904.	3.0	59
7	Direct investigations on strain-induced cold crystallization behavior and structure evolutions in amorphous poly(lactic acid) with SAXS and WAXS measurements. Polymer, 2016, 90, 111-121.	3.8	58
8	Stressâ€“strain relations for hydrogels under multiaxial deformation. International Journal of Solids and Structures, 2013, 50, 3570-3585.	2.7	55
9	Cyclic viscoplasticity of high-density polyethylene: Experiments and modeling. Computational Materials Science, 2007, 39, 465-480.	3.0	54
10	Constitutive equations in finite elasticity of swollen elastomers. International Journal of Solids and Structures, 2013, 50, 1494-1504.	2.7	52
11	Thermo-viscoelastic and viscoplastic behavior of high-density polyethylene. International Journal of Solids and Structures, 2008, 45, 4274-4288.	2.7	49
12	Temperature dependence of poly(lactic acid) mechanical properties. RSC Advances, 2016, 6, 113762-113772.	3.6	49
13	The effect of annealing on the time-dependent behavior of isotactic polypropylene at finite strains. Polymer, 2002, 43, 4745-4761.	3.8	42
14	Viscoelasticity and viscoplasticity of semicrystalline polymers: Structureâ€“property relations for high-density polyethylene. Computational Materials Science, 2007, 39, 729-751.	3.0	39
15	Deformation and structure evolution of glassy poly(lactic acid) below the glass transition temperature. CrystEngComm, 2015, 17, 5651-5663.	2.6	37
16	Swelling of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi mathvariant="normal">H</mml:mi></mml:mrow></mml:math>-sensitive hydrogels. Physical Review E, 2015, 91, 022305.	2.1	37
17	Crystalline structures and crystallization behaviors of poly(l-lactide) in poly(l-lactide)/graphene nanosheet composites. Polymer Chemistry, 2015, 6, 3988-4002.	3.9	37
18	Influence of pushâ€“pull injection moulding on fibres and matrix of fibre reinforced polypropylene. Composites Part A: Applied Science and Manufacturing, 2002, 33, 735-744.	7.6	35

#	Article	IF	Citations
19	The effect of annealing on the elastoplastic response of isotactic polypropylene. European Polymer Journal, 2003, 39, 21-31.	5.4	34
20	Predicting the laser weldability of dissimilar polymers. Polymer, 2013, 54, 3891-3897.	3.8	34
21	Cyclic viscoplasticity of semicrystalline polymers with finite deformations. Mechanics of Materials, 2013, 56, 53-64.	3.2	34
22	Properties and Semicrystalline Structure Evolution of Polypropylene/Montmorillonite Nanocomposites under Mechanical Load. Macromolecules, 2012, 45, 962-973.	4.8	31
23	Modeling the effects of temperature and pH on swelling of stimuli-responsive gels. European Polymer Journal, 2015, 73, 278-296.	5.4	31
24	Modeling the effects of pH and ionic strength on swelling of anionic polyelectrolyte gels. Modelling and Simulation in Materials Science and Engineering, 2015, 23, 055005.	2.0	28
25	Conformation Selected Direct Formation of Form I in Isotactic Poly(butene-1). Crystal Growth and Design, 2018, 18, 2525-2537.	3.0	28
26	Constitutive equations for the nonlinear viscoelastic and viscoplastic behavior of thermoplastic elastomers. International Journal of Engineering Science, 2006, 44, 205-226.	5.0	25
27	Measurements of first and second normal stress differences in a polymer melt. Journal of Non-Newtonian Fluid Mechanics, 2008, 148, 41-46.	2.4	25
28	Thermal strain-induced cold crystallization of amorphous poly(lactic acid). CrystEngComm, 2016, 18, 3237-3246.	2.6	25
29	Nanocomposite Gels with Permanent and Transient Junctions under Cyclic Loading. Macromolecules, 2018, 51, 1462-1473.	4.8	25
30	Modelling the viscoplastic response of polyethylene in uniaxial loadingâ€“unloading tests. Mechanics Research Communications, 2003, 30, 431-442.	1.8	24
31	Thermo-viscoplasticity of carbon black-reinforced thermoplastic elastomers. International Journal of Solids and Structures, 2009, 46, 2298-2308.	2.7	22
32	Polypropylene/organoclay/SEBS nanocomposites with toughnessâ€“stiffness properties. RSC Advances, 2014, 4, 6573.	3.6	22
33	Direct investigations of deformation and yield induced structure transitions in polyamide 6 below glass transition temperature with WAXS and SAXS. Polymer, 2015, 70, 109-117.	3.8	22
34	Inhomogeneous swelling of pH-responsive gels. International Journal of Solids and Structures, 2016, 87, 11-25.	2.7	22
35	Multiscale Investigation of a Bioresidue as a Novel Intercalant for Sodium Montmorillonite. Journal of Physical Chemistry C, 2017, 121, 1794-1802.	3.1	22
36	Constitutive equations for the viscoplastic response of isotactic polypropylene in cyclic tests: The effect of strain rate. Polymer Engineering and Science, 2004, 44, 548-556.	3.1	21

#	Article	IF	Citations
37	Cyclic viscoplasticity of high-density polyethylene/montmorillonite clay nanocomposite. European Polymer Journal, 2007, 43, 10-25.	5.4	21
38	Investigation on high strength laser welds of polypropylene and highâ€density polyethylene. Journal of Applied Polymer Science, 2013, 129, 2679-2685.	2.6	21
39	The effects of pH and ionic strength on equilibrium swelling of polyampholyte gels. International Journal of Solids and Structures, 2017, 110-111, 192-208.	2.7	21
40	Micromechanical modeling of barrier properties of polymer nanocomposites. Composites Science and Technology, 2020, 189, 108002.	7.8	21
41	Effect of multiple extrusions on the impact properties of polypropylene/clay nanocomposites. Journal of Applied Polymer Science, 2012, 126, 620-630.	2.6	19
42	Thermal conductivity of highly filled polymer nanocomposites. Composites Science and Technology, 2019, 182, 107717.	7.8	19
43	The effect of annealing on the nonlinear viscoelastic response of isotactic polypropylene. Polymer Engineering and Science, 2003, 43, 946-959.	3.1	17
44	Cyclic viscoplasticity of solid polymers: The effects of strain rate and amplitude of deformation. Polymer, 2007, 48, 3003-3012.	3.8	17
45	The effect of strain rate on the viscoplastic behavior of isotactic polypropylene at finite strains. Polymer, 2003, 44, 1211-1228.	3.8	16
46	Creep failure of polypropylene: experiments and constitutive modeling. International Journal of Fracture, 2009, 159, 63-79.	2.2	16
47	Mullinsâ€™ effect in semicrystalline polymers: experiments andÂmodeling. Meccanica, 2011, 46, 359-370.	2.0	16
48	Self-limiting lithiation of electrode nanoparticles in Li-ion batteries. Journal of Applied Physics, 2013, 114, .	2.5	16
49	Time-dependent response of hydrogels under multiaxial deformation accompanied by swelling. Acta Mechanica, 2018, 229, 5067-5092.	2.1	16
50	An Advanced Technological Lightweighted Solution for a Body in White. Transportation Research Procedia, 2016, 14, 1021-1030.	1.5	15
51	The Effects of pH and Ionic Strength of Swelling of Cationic Gels. International Journal of Applied Mechanics, 2016, 08, 1650059.	2.2	15
52	Swelling-induced bending of bilayer gel beams. Composite Structures, 2016, 153, 961-971.	5.8	15
53	Tensionâ€“compression asymmetry in the mechanical response of hydrogels. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103851.	3.1	15
54	The effect of annealing on the viscoplastic response of semicrystalline polymers at finite strains. International Journal of Solids and Structures, 2003, 40, 1337-1367.	2.7	14

#	Article	IF	Citations
55	Morphology study of layered silicate/chitosan nanohybrids. Surface and Interface Analysis, 2012, 44, 200-207.	1.8	14
56	Model for the viscoelastic and viscoplastic responses of semicrystalline polymers. Journal of Applied Polymer Science, 2003, 88, 1438-1450.	2.6	13
57	Cyclic viscoplasticity of thermoplastic elastomers. Acta Mechanica, 2007, 194, 47-65.	2.1	13
58	Viscoelasticity and viscoplasticity of polypropylene/polyethylene blends. International Journal of Solids and Structures, 2010, 47, 2498-2507.	2.7	13
59	Mechanical response of HEMA gel under cyclic deformation: Viscoplasticity and swelling-induced recovery. International Journal of Solids and Structures, 2015, 52, 220-234.	2.7	13
60	Memory effects on crystallization behaviours of poly(<scp>l</scp>-lactic acid) revisited. CrystEngComm, 2019, 21, 2660-2668.	2.6	13
61	The effect of porosity on elastic moduli of polymer foams. Journal of Applied Polymer Science, 2020, 137, 48449.	2.6	13
62	Thermo-mechanical behavior of elastomers with dynamic covalent bonds. International Journal of Engineering Science, 2020, 147, 103200.	5.0	13
63	Crystallisation of iPB-1 based on preserved helix conformation. Polymer, 2020, 190, 122209.	3.8	13
64	Mechanical Properties of Isotactic Polypropylene with Oriented and Cross-hatched Lamellae Structure. International Polymer Processing, 2000, 15, 202-207.	0.5	13
65	Competing effect between filled glass bead and induced ? crystal on the tensile properties of polypropylene/glass bead blends. Journal of Applied Polymer Science, 2005, 96, 1729-1733.	2.6	12
66	Multi-cycle deformation of semicrystalline polymers: Observations and constitutive modeling. Mechanics Research Communications, 2013, 48, 70-75.	1.8	12
67	Mechanical testing of polystyrene/polystyrene laser welds. Polymer Testing, 2013, 32, 475-481.	4.8	12
68	Time-dependent response of hydrogels under constrained swelling. Journal of Applied Physics, 2014, 115, 233517.	2.5	11
69	A simplified model for equilibrium and transient swelling of thermo-responsive gels. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 20-32.	3.1	11
70	Mechanical response and equilibrium swelling of temperature-responsive gels. European Polymer Journal, 2017, 94, 56-67.	5.4	11
71	A Novel Bioresidue to Compatibilize Sodium Montmorillonite and Linear Low Density Polyethylene. Industrial & Engineering Chemistry Research, 2018, 57, 1213-1224.	3.7	11
72	Mechanical response and equilibrium swelling of thermoresponsive copolymer hydrogels. Polymer International, 2020, 69, 974-984.	3.1	11

#	Article	IF	Citations
73	Cyclic thermo-viscoplasticity of carbon black-reinforced thermoplastic elastomers. Composites Science and Technology, 2008, 68, 3114-3122.	7.8	10
74	Nonlinear time-dependent response of polypropylene/nanoclay melts: Experiments and modeling. Computational Materials Science, 2010, 47, 807-816.	3.0	10
75	Cyclic viscoelastoplasticity of polypropylene/nanoclay hybrids. Computational Materials Science, 2012, 53, 396-408.	3.0	10
76	Investigation of Mechanical Properties of PP/Clay Nanocomposites Based on Network Cross-Linked Compatibilizers. Industrial & Engineering Chemistry Research, 2013, 52, 3773-3778.	3.7	10
77	Structureâ€“property relations for temperature-responsive gels. Polymer, 2017, 132, 164-173.	3.8	10
78	Modulation of the volume phase transition temperature for multi-stimuli-responsive copolymer hydrogels. International Journal of Mechanical Sciences, 2021, 211, 106753.	6.7	10
79	The effect of annealing on the elastoplastic and viscoelastic responses of isotactic polypropylene. Computational Materials Science, 2003, 27, 403-422.	3.0	9
80	Cyclic elastoplasticity of solid polymers. Computational Materials Science, 2008, 42, 27-35.	3.0	9
81	Electromagnetic properties and EMI shielding effectiveness of polymer composites reinforced with ferromagnetic particles at microwave frequencies. Journal of Applied Physics, 2020, 127, 125101.	2.5	9
82	Tuning the viscoelastic response of hydrogel scaffolds with covalent and dynamic bonds. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 130, 105179.	3.1	9
83	Thermo-viscoelastic response of nanocomposite melts. International Journal of Engineering Science, 2008, 46, 87-104.	5.0	8
84	Enhancement of mechanical properties of polypropylene by blending with styrene-(ethylene-butylene)-styrene tri-block copolymer. Journal of Polymer Engineering, 2014, 34, 765-774.	1.4	8
85	A qualitative analysis of particle-induced viscosity reduction in polymeric composites. Journal of Materials Science, 2016, 51, 3080-3096.	3.7	8
86	Selfâ€recovery and fatigue of doubleâ€network gels with permanent and reversible bonds. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 438-453.	2.1	8
87	Finite viscoplasticity of semicrystalline polymers. Archive of Applied Mechanics, 2003, 72, 779-803.	2.2	7
88	Constitutive equations for the nonlinear elastic response of rubbers. Acta Mechanica, 2006, 185, 31-65.	2.1	7
89	Modeling the effect of ionic strength on swelling of pH-sensitive macro- and nanogels. Materials Today Communications, 2016, 6, 92-101.	1.9	7
90	Macroporous temperatureâ€sensitive gels with fast response: Comparison of preparation methods. Journal of Applied Polymer Science, 2018, 135, 46353.	2.6	7

#	Article	IF	Citations
91	Evaluation of Relationship Between Crystallization Structure and Thermalâ€Mechanical Performance of PLA with MCC Addition. ChemistrySelect, 2019, 4, 10174-10180.	1.5	7
92	Modeling dielectric permittivity of polymer composites at microwave frequencies. Materials Research Bulletin, 2020, 126, 110818.	5.2	7
93	Modulation of the volume phase transition temperature of thermo-responsive gels. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 114, 104215.	3.1	7
94	Equilibrium swelling of thermo-responsive copolymer microgels. RSC Advances, 2020, 10, 42718-42732.	3.6	7
95	Cyclic deformation of ternary nanocomposites: Experiments and modeling. International Journal of Solids and Structures, 2007, 44, 2677-2694.	2.7	6
96	Cyclic viscoelastoplasticity of polypropylene/nanoclay composites. Mechanics of Time-Dependent Materials, 2012, 16, 397-425.	4.4	6
97	Deformation-induced crystalline structure evolutions of isotactic poly-1-butene. Colloid and Polymer Science, 2016, 294, 1983-1988.	2.1	6
98	Modeling the non-isothermal viscoelastic response of glassy polymers. Acta Mechanica, 2018, 229, 1137-1156.	2.1	6
99	Double-network gels with dynamic bonds under multi-cycle deformation. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 58-68.	3.1	6
100	Modeling Thermal Conductivity of Highly Filled Polymer Composites. Polymer Engineering and Science, 2019, 59, 2174-2179.	3.1	6
101	Modeling the elastic response of polymer foams at finite deformations. International Journal of Mechanical Sciences, 2020, 171, 105398.	6.7	6
102	Thermal dynamics affected formation and dislocation of PDLA morphology. Polymer, 2020, 192, 122318.	3.8	6
103	The effects of pH and ionic strength on the volume phase transition temperature of thermo-responsive anionic copolymer gels. Polymer, 2021, 221, 123637.	3.8	6
104	A Model for the Elastoplastic Behavior of Isotactic Poly(propylene) Below the Yield Point. Macromolecular Materials and Engineering, 2003, 288, 164-174.	3.6	5
105	Cyclic viscoplasticity of carbon black-filled thermoplastic elastomers: Experiments and modeling. Computational Materials Science, 2009, 45, 398-406.	3.0	5
106	Influence of two compatibilizers on clay/PP nanocomposites properties. Polymer Engineering and Science, 2013, 53, 403-409.	3.1	5
107	Volume changes in hydrogels subjected to finite deformations. Mechanics Research Communications, 2013, 50, 33-38.	1.8	5
108	A Concrete and Viable Example of Multimaterial Body: The Evolution Project Main Outcomes. Procedia CIRP, 2017, 66, 300-305.	1.9	5

#	Article	IF	Citations
109	Swelling of glucose-responsive gels functionalized with boronic acid. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 533-541.	3.1	5
110	Modeling electrical conductivity of polymer nanocomposites with aggregated filler. Polymer Engineering and Science, 2020, 60, 1556-1565.	3.1	5
111	Structureâ€“property relations in linear viscoelasticity of supramolecular hydrogels. RSC Advances, 2021, 11, 16860-16880.	3.6	5
112	Thermo-Mechanical Behavior of Poly(ether ether ketone): Experiments and Modeling. Polymers, 2021, 13, 1779.	4.5	5
113	Cyclic viscoelastoplasticity of polypropylene: effects of crystalline structure. Acta Mechanica, 2011, 221, 201-222.	2.1	4
114	Structure-property relations for equilibrium swelling of cationic gels. European Polymer Journal, 2016, 79, 23-35.	5.4	4
115	Multi-cycle deformation of supramolecular elastomers: Constitutive modeling and structure-property relations. International Journal of Engineering Science, 2018, 133, 311-335.	5.0	4
116	Mechanical response of double-network gels with dynamic bonds under multi-cycle deformation. Polymer, 2018, 150, 95-108.	3.8	4
117	Conformational Energy Settled Crystallization Behaviors of Poly(<scp>l</scp>-lactic acid). ACS Applied Polymer Materials, 2019, 1, 2552-2560.	4.4	4
118	Multiscale Characterization of a Wood-Based Biocrude as a Green Compatibilizing Agent for High-Impact Polystyrene/Halloysite Nanotube Nanocomposites. ACS Omega, 2019, 4, 19934-19943.	3.5	4
119	FRAGILITY AND FLOW BEHAVIOUR OF SEVERAL PHOSPHATE AND SILICATE MELTS. Phosphorus Research Bulletin, 1999, 10, 497-502.	0.6	3
120	Effect of high-temperature annealing on the elastoplastic response of isotactic polypropylene in loading-unloading tests. Journal of Applied Polymer Science, 2003, 90, 186-196.	2.6	3
121	Nonlinear time-dependent response of isotactic polypropylene. Journal of Rheology, 2003, 47, 595-618.	2.6	3
122	Thermo-viscoelasticity of polymer melts: experiments and modeling. Acta Mechanica, 2008, 197, 211-245.	2.1	3
123	Viscoelasticity of polyethylene/montmorillonite nanocomposite melts. Computational Materials Science, 2008, 43, 1027-1035.	3.0	3
124	Essential work of fracture and viscoplastic response of a carbon black-filled thermoplastic elastomer. Engineering Fracture Mechanics, 2009, 76, 1977-1995.	4.3	3
125	Sealing of polymer micro-structures by over-moulding. International Journal of Advanced Manufacturing Technology, 2012, 61, 161-170.	3.0	3
126	Timeâ€dependent response of polypropylene/clay nanocomposites under tension and retraction. Polymer Engineering and Science, 2013, 53, 931-940.	3.1	3

#	Article	IF	Citations
127	Analysis of structure transition and compatibility of PTT/PC blend without transesterification. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1172-1182.	3.8	3
128	Stretchâ€induced stableâ€metastable crystal transformation of PVDF/graphene composites. Polymer Crystallization, 2019, 2, e10079.	0.8	3
129	Toward sustainability in the built environment: An integrative approach. Resources, Conservation and Recycling, 2021, 172, 105676.	10.8	3
130	Nonlinear Viscoelastic Response of Thermoplastic-Elastomer Melts. Advances in Applied Mathematics and Mechanics, 2010, 2, 1-31.	1.2	3
131	A MODEL FOR CAVITATION-INDUCED PRIMARY BREAK-UP OF VISCOUS LIQUID SPRAYS. WIT Transactions on Engineering Sciences, 2017, , .	0.0	3
132	Effect of annealing on viscoplasticity of polymer blends: Experiments and modeling. Computational Materials Science, 2010, 50, 59-64.	3.0	2
133	Activation energy of poly(methyl methacrylate) from rheometry and polymer welding. Journal of Materials Science, 2011, 46, 4660-4666.	3.7	2
134	Double equilibrium melting temperatures and zero growth temperature of PVDF in PVDF/graphene composites. Journal of Polymer Research, 2015, 22, 1.	2.4	2
135	Apparent stiffening of a graphene nanomembrane with initial curvature. AIP Advances, 2017, 7, 045123.	1.3	2
136	Bending of multilayer nanomembranes. Composite Structures, 2017, 182, 261-272.	5.8	2
137	The effect of saccharides on equilibrium swelling of thermo-responsive gels. RSC Advances, 2020, 10, 30723-30733.	3.6	2
138	Modeling dielectric permittivity of polymer composites filled with transition metal dichalcogenide nanoparticles. Journal of Composite Materials, 2020, 54, 3841-3855.	2.4	2
139	Self-recovery, fatigue and anti-fatigue of supramolecular elastomers. International Journal of Fatigue, 2020, 134, 105496.	5.7	2
140	Equilibrium swelling of thermoâ€responsive coreâ€shell microgels. Journal of Applied Polymer Science, 2021, 138, 50354.	2.6	2
141	Mechanical and microstructural characterization of poly(N-isopropylacrylamide) hydrogels and its nanocomposites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1021-1035.	1.1	2
142	A model for equilibrium swelling of the UCST â€type thermoâ€responsive hydrogels. Polymer International, 0, , .	3.1	2
143	Coupling method for internal nozzle flow and the spray formation for viscous liquids. International Journal of Computational Methods and Experimental Measurements, 2019, 7, 130-141.	0.2	2
144	EFFECT OF CROSS-LINKING OF HIGH-DENSITY POLYETHYLENE. I. ON SPHERULITIC STRUCTURES. Journal of Macromolecular Science - Physics, 2001, 40, 335-341.	1.0	1

#	Article	IF	Citations
145	Fading memory of loading history in polypropylene and a polypropylene/clay nanocomposite. Mechanics of Composite Materials, 2013, 49, 85-96.	1.4	1
146	Constitutive Modeling of the Mechanical Response of Nanocomposite Hydrogels for Tissue Engineering. Procedia Engineering, 2013, 59, 37-45.	1.2	1
147	Thermo-Viscoelastic Response of Protein-Based Hydrogels. Bioengineering, 2021, 8, 73.	3.5	1
148	Equilibrium swelling of multi-stimuli-responsive copolymer gels. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104623.	3.1	1
149	Swelling of composite microgels with soft cores and thermo-responsive shells. Mechanics of Advanced Materials and Structures, 2022, 29, 7204-7220.	2.6	1
150	A Predictive Model for Equilibrium Swelling of Thermoresponsive Gels in Aqueous Solutions of Surfactants. ACS Applied Polymer Materials, 0, , .	4.4	1
151	Glassy structure affected cold-crystallization behavior and structure of poly(lactic acid). Journal of Polymer Research, 2022, 29, .	2.4	1
152	Reentrant-Convex Swelling of Thermoresponsive Gels in Mixtures of Solvents. Industrial & Engineering Chemistry Research, 2022, 61, 9725-9734.	3.7	1
153	Viscosity models for silicate melts. Journal of Non-Newtonian Fluid Mechanics, 2004, 124, 71-76.	2.4	0
154	Polypropylene/clay nanocomposites: mechanical response, damage, and fracture. EPJ Web of Conferences, 2010, 6, 05004.	0.3	0
155	Nanomaterials in biomedical applications. , 2011, , .		0
156	Constitutive modeling of the viscoelastic and viscoplastic responses of metallocene catalyzed polypropylene. Multidiscipline Modeling in Materials and Structures, 2012, 8, 380-402.	1.3	0
157	CYCLIC VISCOPLASTICITY OF SEMICRYSTALLINE POLYMERS WITH FINITE STRAINS: OBSERVATIONS AND CONSTITUTIVE MODELING. International Journal of Computational Materials Science and Engineering, 2012, 01, 1250037.	0.7	0
158	Effect of crystalline structure on the mechanical response of polypropylene under cyclic deformation. Journal of Polymer Engineering, 2013, 33, 181-190.	1.4	0
159	Rheological behaviour of lubrication oils used in two-stroke marine engines. Industrial Lubrication and Tribology, 2017, 69, 750-753.	1.3	0
160	Evolution FP7 funded project: body structure design strategies using new composite and aluminium materials and enabled technologies. International Journal of Automotive Composites, 2017, 3, 251.	0.1	0
161	Self-recovery, Fatigue and Anti-fatigue of Supramolecular Elastomers. Journal of Self-Assembly and Molecular Electronics (SAME), 2018, 6, 1-1.	0.0	0
162	Sandwich Panel With a Periodical and Graded Core. , 2005, , 773-782.		0

#	Article	IF	Citations
163	Equilibrium Swelling of Thermo-Responsive Gels in Mixtures of Solvents. Chemistry, 2022, 4, 681-700.	2.2	0