

Dilhan M Kalyon

List of Publications by Year in descending order

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164
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Functionally graded electrospun polycaprolactone and β -tricalcium phosphate nanocomposites for tissue engineering applications. <i>Biomaterials</i> , 2008, 29, 4065-4073.	5.7	327
2	Slip Effects in Capillary and Parallel Disk Torsional Flows of Highly Filled Suspensions. <i>Journal of Rheology</i> , 1989, 33, 1197-1212.	1.3	233
3	Apparent slip and viscoplasticity of concentrated suspensions. <i>Journal of Rheology</i> , 2005, 49, 621-640.	1.3	228
4	Conversion of biomass to fuel: Transesterification of vegetable oil to biodiesel using KF loaded nano- β -Al ₂ O ₃ as catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 590-596.	10.8	192
5	Rheological behavior of a concentrated suspension: A solid rocket fuel simulant. <i>Journal of Rheology</i> , 1993, 37, 35-53.	1.3	190
6	Biocomposites of nanohydroxyapatite with collagen and poly(vinyl alcohol). <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 48, 42-49.	2.5	152
7	Effects of temperature and surface roughness on time-dependent development of wall slip in steady torsional flow of concentrated suspensions. <i>Journal of Rheology</i> , 1994, 38, 957-972.	1.3	133
8	Viscoelastic material functions of noncolloidal suspensions with spherical particles. <i>Journal of Rheology</i> , 1997, 41, 599-620.	1.3	121
9	Esterification and transesterification of waste cooking oil over Amberlyst 15 and modified Amberlyst 15 catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 723-730.	10.8	109
10	Effects of particle shape and size distributions on the electrical and magnetic properties of nickel/polyethylene composites. <i>Journal of Applied Polymer Science</i> , 1993, 50, 1891-1901.	1.3	91
11	Mechanisms of mixing in single and co-rotating twin screw extruders. <i>Polymer Engineering and Science</i> , 1995, 35, 1325-1338.	1.5	89
12	Estimation of the parameters of Herschel-Bulkley fluid under wall slip using a combination of capillary and squeeze flow viscometers. <i>Rheologica Acta</i> , 2004, 43, 80-88.	1.1	84
13	Membranes of Polyvinylidene Fluoride and PVDF Nanocomposites with Carbon Nanotubes via Immersion Precipitation. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-8.	1.5	84
14	Osteochondral Tissue Formation Through Adipose-Derived Stromal Cell Differentiation on Biomimetic Polycaprolactone Nanofibrous Scaffolds with Graded Insulin and Beta-Glycerophosphate Concentrations. <i>Tissue Engineering - Part A</i> , 2011, 17, 1239-1252.	1.6	83
15	Shear viscosity and wall slip behavior of a viscoplastic hydrogel. <i>Journal of Rheology</i> , 2014, 58, 513-535.	1.3	82
16	A hybrid twin screw extrusion/electrospinning method to process nanoparticle-incorporated electrospun nanofibres. <i>Nanotechnology</i> , 2008, 19, 165302.	1.3	74
17	Factors Affecting the Rheology and Processability of Highly Filled Suspensions. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014, 5, 229-254.	3.3	71
18	Mathematical modeling and experimental studies of twin-screw extrusion of filled polymers. <i>Polymer Engineering and Science</i> , 1999, 39, 1139-1151.	1.5	69

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19	Wall slip and extrudate distortion of three polymer melts. <i>Journal of Rheology</i> , 2003, 47, 683-699.	1.3	69
20	Biodiesel synthesis from canola oil via heterogeneous catalysis using functionalized CaO nanoparticles. <i>Fuel</i> , 2015, 153, 620-627.	3.4	69
21	Electrical properties of composites as affected by the degree of mixedness of the conductive filler in the polymer matrix. <i>Polymer Engineering and Science</i> , 2002, 42, 1609-1617.	1.5	68
22	Unsteady circular tube flow of compressible polymeric liquids subject to pressure-dependent wall slip. <i>Journal of Rheology</i> , 2008, 52, 507-525.	1.3	67
23	Machine learning metrology of cell confinement in melt electrowritten three-dimensional biomaterial substrates. <i>Microsystems and Nanoengineering</i> , 2019, 5, 15.	3.4	59
24	Mat formation and unstable flows of highly filled suspensions in capillaries and continuous processors. <i>Polymer Composites</i> , 1989, 10, 242-248.	2.3	57
25	Effects of surface roughness and the chemical structure of materials of construction on wall slip behavior of linear low density polyethylene in capillary flow. <i>Journal of Applied Polymer Science</i> , 1993, 50, 1169-1177.	1.3	56
26	Time-dependent tube flow of compressible suspensions subject to pressure dependent wall slip: Ramifications on development of flow instabilities. <i>Journal of Rheology</i> , 2008, 52, 1069-1090.	1.3	56
27	Effects of Multiwalled Carbon Nanotubes on the Shear-Induced Crystallization Behavior of Poly(butylene terephthalate). <i>Macromolecules</i> , 2008, 41, 8103-8113.	2.2	53
28	Squeezing flow of viscoplastic fluids subject to wall slip. <i>Polymer Engineering and Science</i> , 1998, 38, 1793-1804.	1.5	52
29	Deformation-Induced Crystallization and Associated Morphology Development of Carbon Nanotube-PVDF Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3330-3340.	0.9	52
30	Rheological behavior of concentrated suspensions as affected by the dynamics of the mixing process. <i>Rheologica Acta</i> , 2006, 45, 641-658.	1.1	51
31	Development of experimental techniques and simulation methods to analyze mixing in co-rotating twin screw extrusion. <i>Advances in Polymer Technology</i> , 1988, 8, 337-353.	0.8	49
32	Biofuel production via transesterification using sepiolite-supported alkaline catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 147-156.	10.8	49
33	Interfacial Load Transfer in Polymer/Carbon Nanotube Nanocomposites with a Nanohybrid Shish Kebab Modification. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14886-14893.	4.0	48
34	Biomass pretreatment strategies via control of rheological behavior of biomass suspensions and reactive twin screw extrusion processing. <i>Bioresource Technology</i> , 2011, 102, 9068-9075.	4.8	47
35	Toward better hydraulic fracturing fluids and their application in energy production: A review of sustainable technologies and reduction of potential environmental impacts. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 793-803.	2.1	47
36	Laminin Functionalized Biomimetic Nanofibers for Nerve Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013, 3, 494-502.	0.0	47

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37	Step strain flow: Wall slip effects and other error sources. <i>Journal of Rheology</i> , 2001, 45, 467-475.	1.3	46
38	Nanocomposites of polyamide-11 and carbon nanostructures: Development of microstructure and ultimate properties following solution processing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1311-1321.	2.4	46
39	Load-bearing biodegradable PCL-PGA-beta-TCP scaffolds for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 193-200.	1.6	46
40	Multifunctional protein-encapsulated polycaprolactone scaffolds: Fabrication and in vitro assessment for tissue engineering. <i>Biomaterials</i> , 2009, 30, 4336-4347.	5.7	45
41	Melt Electrospinning Writing Process Guided by a "Printability Number". <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017, 139, .	1.3	45
42	Assessment of particle-migration effects in pressure-driven viscometric flows. <i>Journal of Rheology</i> , 2000, 44, 79-90.	1.3	44
43	Cross-link density, viscoelasticity and swelling of hydrogels as affected by dispersion of multi-walled carbon nanotubes. <i>Soft Matter</i> , 2010, 6, 3870.	1.2	44
44	An experimental study of distributive mixing in fully intermeshing, co-rotating twin screw extruders. <i>Polymer Engineering and Science</i> , 1989, 29, 1018-1026.	1.5	43
45	Dilatancy of concentrated suspensions with Newtonian matrices. <i>Polymer Composites</i> , 1991, 12, 226-232.	2.3	43
46	Shell-core bi-layered scaffolds for engineering of vascularized osteon-like structures. <i>Biomaterials</i> , 2013, 34, 8203-8212.	5.7	41
47	Effects of air entrainment on the rheology of concentrated suspensions during continuous processing. <i>Polymer Engineering and Science</i> , 1991, 31, 1386-1392.	1.5	40
48	Simulation of intensity of segregation distributions using three-dimensional fem analysis: Application to corotating twin screw extrusion processing. <i>Journal of Applied Polymer Science</i> , 1995, 58, 1501-1507.	1.3	40
49	NOIISOTHERMAL MODEL OF SINGLE SCREW EXTRUSION OF GENERALIZED NEWTONIAN FLUIDS. <i>Numerical Heat Transfer; Part A: Applications</i> , 1994, 26, 103-121.	1.2	38
50	Effects of segregation on the packing of spherical and nonspherical particles. <i>Powder Technology</i> , 1994, 81, 57-64.	2.1	38
51	Computational study of chaotic mixing in co-rotating two-tipped kneading paddles: Two-dimensional approach. <i>Polymer Engineering and Science</i> , 1993, 33, 140-148.	1.5	37
52	Axial annular flow of a viscoplastic microgel with wall slip. <i>Journal of Rheology</i> , 2016, 60, 503-515.	1.3	36
53	Measurement and calculation of parison dimensions and bottle thickness distribution during blow molding. <i>Polymer Engineering and Science</i> , 1981, 21, 331-338.	1.5	35
54	Viscoelastic and Biomechanical Properties of Osteochondral Tissue Constructs Generated From Graded Polycaprolactone and Beta-Tricalcium Phosphate Composites. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 091013.	0.6	35

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55	The dynamics of parison development in blow molding. <i>Polymer Engineering and Science</i> , 1980, 20, 773-777.	1.5	34
56	Enhancement of the relative magnetic permeability of polymeric composites with hybrid particulate fillers. <i>Journal of Applied Polymer Science</i> , 1997, 65, 1371-1377.	1.3	34
57	Evaluation of the treatment of chromite ore processing residue by ferrous sulfate and asphalt. <i>Journal of Hazardous Materials</i> , 2009, 166, 27-32.	6.5	34
58	EXTRUSION AND LUBRICATION FLOWS OF VISCOPLASTIC FLUIDS WITH WALL SLIP. <i>Chemical Engineering Communications</i> , 1993, 122, 127-150.	1.5	29
59	Axial laminar flow of viscoplastic fluids in a concentric annulus subject to wall slip. <i>Rheologica Acta</i> , 2012, 51, 805-820.	1.1	29
60	Radially and Axially Graded Multizonal Bone Graft Substitutes Targeting Critical-Sized Bone Defects from Polycaprolactone/Hydroxyapatite/Tricalcium Phosphate. <i>Tissue Engineering - Part A</i> , 2012, 18, 2426-2436.	1.6	28
61	Functionally graded β -TCP/PCL nanocomposite scaffolds: <i>in vitro</i> evaluation with human fetal osteoblast cells for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1007-1018.	2.1	27
62	Viscoelastic Properties of Dental Pulp Tissue and Ramifications on Biomaterial Development for Pulp Regeneration. <i>Journal of Endodontics</i> , 2015, 41, 1711-1717.	1.4	26
63	Single screw extrusion of viscoplastic fluids subject to different slip coefficients at screw and barrel surfaces. <i>Polymer Engineering and Science</i> , 1994, 34, 1471-1479.	1.5	25
64	Development of extrudate distortions in poly(dimethyl siloxane) and its suspensions with rigid particles. <i>Journal of Rheology</i> , 2006, 50, 313-326.	1.3	25
65	An experimental investigation of capillary extrudate swell in relation to parison swell behavior in blow molding. <i>Polymer Engineering and Science</i> , 1986, 26, 508-516.	1.5	24
66	Nonisothermal extrusion flow of viscoplastic fluids with wall slip. <i>International Journal of Heat and Mass Transfer</i> , 1997, 40, 3883-3897.	2.5	24
67	Effects of flow induced orientation of ferromagnetic particles on relative magnetic permeability of injection molded composites. <i>Polymer Engineering and Science</i> , 1997, 37, 826-837.	1.5	23
68	<i>in vitro</i> analysis and mechanical properties of twin screw extruded single-layered and coextruded multilayered poly(caprolactone) scaffolds seeded with human fetal osteoblasts for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 354-366.	2.1	23
69	Shear viscosity and wall slip behavior of dense suspensions of polydisperse particles. <i>Journal of Rheology</i> , 2019, 63, 19-32.	1.3	23
70	Tangential annular (Couette) flow of a viscoplastic microgel with wall slip. <i>Journal of Rheology</i> , 2017, 61, 1007-1022.	1.3	22
71	Rheology and processing of linear low density polyethylene resins as affected by alpha-olefin comonomers. <i>Polymer Engineering and Science</i> , 1988, 28, 1542-1550.	1.5	21
72	Use of molecular dynamics to investigate polymer melt-metal wall interactions. <i>Polymer</i> , 2005, 46, 9423-9433.	1.8	21

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73	Recrystallization of CL-20 and HNFx from Solution for Rigorous Control of the Polymorph Type: Part II, Experimental Studies. <i>Journal of Energetic Materials</i> , 2006, 24, 103-139.	1.0	21
74	The rheological behavior of a fast-setting calcium phosphate bone cement and its dependence on deformation conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 72, 252-260.	1.5	21
75	Thermal behavior and curing kinetics of poly(carbosilane). <i>Journal of Applied Polymer Science</i> , 1991, 42, 1087-1095.	1.3	20
76	Polymer crystallization and precipitation-induced wrapping of carbon nanofibers with PBT. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1312-1319.	1.3	20
77	Melt Rheology of Two Engineering Thermoplastics: Poly(ether Imide) and Poly(2,6-Dimethyl-4-phenylene Terephthalate). <i>Journal of Applied Polymer Science</i> , 2009, 114, 1312-1319.	1.3	19
78	Nanocomposites of poly(ether ether ketone) with carbon nanofibers: Effects of dispersion and thermo-oxidative degradation on development of linear viscoelasticity and crystallinity. <i>Polymer</i> , 2010, 51, 5236-5244.	1.8	19
79	Batch and continuous processing of polymer layered organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1391-1398.	1.3	18
80	Nanoclay dispersion into a thermosetting binder using sonication and intensive mixing methods. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1773-1783.	1.3	18
81	Dynamics of electrospinning of poly(caprolactone) via a multi-nozzle spinneret connected to a twin screw extruder and properties of electrospun fibers. <i>Polymer Engineering and Science</i> , 2013, 53, 1463-1474.	1.5	18
82	Injection molding of engineering plastics. <i>Advances in Polymer Technology</i> , 1989, 9, 17-32.	0.8	17
83	Rheology and processing of BaSO ₄ -filled medical-grade thermoplastic polyurethane. <i>Polymer Engineering and Science</i> , 2004, 44, 1941-1948.	1.5	17
84	Surface patterning of poly(L-lactide) upon melt processing: <i>In vitro</i> culturing of fibroblasts and osteoblasts on surfaces ranging from highly crystalline with spherulitic protrusions to amorphous with nanoscale indentations. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 94-104.	2.1	17
85	Effects of dispersion and deformation histories on rheology of semidilute and concentrated suspensions of multiwalled carbon nanotubes. <i>Journal of Rheology</i> , 2013, 57, 1491-1514.	1.3	17
86	Recrystallization of CL-20 and HNFx from Solution for Rigorous Control of the Polymorph Type: Part I, Mathematical Modeling using Molecular Dynamics Method. <i>Journal of Energetic Materials</i> , 2006, 24, 69-101.	1.0	16
87	Use of Adjustable-Gap On-Line and Off-Line Slit Rheometers for the Characterization of the Wall Slip and Shear Viscosity Behavior of Energetic Formulations. <i>Journal of Energetic Materials</i> , 2006, 24, 175-193.	1.0	16
88	An analytical model for steady coextrusion of viscoplastic fluids in thin slit dies with wall slip. <i>Polymer Engineering and Science</i> , 2010, 50, 652-664.	1.5	16
89	Viscoelastic behavior of poly(ether imide) incorporated with multiwalled carbon nanotubes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1504-1514.	2.4	16
90	Development of an epoxy based intumescent system comprising of nanoclays blended with appropriate formulating agents. <i>Progress in Organic Coatings</i> , 2015, 78, 208-219.	1.9	16

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91	Rheo-PIV analysis of the vane in cup flow of a viscoplastic microgel. <i>Journal of Rheology</i> , 2019, 63, 905-915.	1.3	16
92	Heat transfer and microstructure in extrusion blowmolding. <i>Polymer Engineering and Science</i> , 1983, 23, 503-509.	1.5	15
93	High pressure polymerization of ethylene and rheological behavior of polyethylene product. <i>Polymer Engineering and Science</i> , 1994, 34, 804-814.	1.5	15
94	Extrudate swell behavior of glass fiber filled polyamide 6. <i>Polymer Composites</i> , 1996, 17, 840-849.	2.3	15
95	Viscous heating in nonisothermal die flows of viscoplastic fluids with wall slip. <i>Chemical Engineering Science</i> , 1997, 52, 1323-1337.	1.9	15
96	An Overview of the Rheological Behavior and Characterization of Energetic Formulations: Ramifications on Safety and Product Quality. <i>Journal of Energetic Materials</i> , 2006, 24, 213-245.	1.0	15
97	Microstructure and ultimate properties of injection molded amorphous engineering plastics: Poly(ether imide) and poly(2,6-dimethyl-1,4-phenylene ether). <i>Polymer Engineering and Science</i> , 1989, 29, 1298-1307.	1.5	14
98	Microstrain and Defect Analysis of CL-20 Crystals by Novel X-Ray Methods. <i>Journal of Energetic Materials</i> , 2005, 23, 43-58.	1.0	14
99	Rheological Characterization of Nitrocellulose Gels. <i>Journal of Energetic Materials</i> , 2006, 24, 247-269.	1.0	14
100	Extrusion of poly(ether imide) foams using pressurized CO ₂ : Effects of imposition of supercritical conditions and nanosilica modifiers. <i>Polymer Engineering and Science</i> , 2014, 54, 2064-2074.	1.5	14
101	Rheological behavior and self-healing of hydrogen-bonded complexes of a triblock Pluronic [®] copolymer with a weak polyacid. <i>Journal of Rheology</i> , 2017, 61, 1103-1119.	1.3	14
102	Load-bearing biodegradable polycaprolactone-poly(lactic-co-glycolic acid)-beta-tricalcium phosphate scaffolds for bone tissue regeneration. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1189-1197.	1.6	14
103	Granular magnetic composites employing cobalt based amorphous alloys in a polymeric host. <i>Journal of Applied Physics</i> , 1993, 73, 5598-5600.	1.1	13
104	Analysis of nonisothermal screw extrusion processing of viscoplastic fluids with significant back flow. <i>Chemical Engineering Science</i> , 1999, 54, 999-1013.	1.9	13
105	Letter to the editor: Comments on the use of rheometers with rough surfaces or surfaces with protrusions. <i>Journal of Rheology</i> , 2005, 49, 1153-1155.	1.3	13
106	Twin-Screw Extrusion of Nano-Alumina-Based Simulants of Energetic Formulations Involving Gel-Based Binders. <i>Journal of Energetic Materials</i> , 2007, 25, 173-201.	1.0	13
107	A controllable way to measure the interfacial strength between carbon nanotube and polymer using a nanobridge structure. <i>Carbon</i> , 2017, 116, 510-517.	5.4	13
108	Unitary Bioresorbable Cage/Core Bone Graft Substitutes for Spinal Arthrodesis Coextruded from Polycaprolactone Biocomposites. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1073-1087.	1.3	12

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109	Ultimate properties of blown films of linear low density polyethylene resins as affected by alpha-olefin comonomers. <i>Polymer Engineering and Science</i> , 1988, 28, 1551-1558.	1.5	11
110	Letter to the Editor: Comments on "A new method of processing capillary viscometry data in the presence of wall slip". <i>J. Rheol.</i> 47, 337-348 (2003). <i>Journal of Rheology</i> , 2003, 47, 1087-1088.	1.3	11
111	Distributive mixing of carbon nanotubes in poly(caprolactone) via solution and melt processing: Viscoelasticity and crystallization behavior versus mixing indices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2254-2268.	2.4	11
112	Segmental bone replacement via patient-specific, three-dimensional printed bioresorbable graft substitutes and their use as templates for the culture of mesenchymal stem cells under mechanical stimulation at various frequencies. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2365-2376.	1.7	11
113	Development of density distributions in injection molded amorphous engineering plastics. Part I. <i>Polymer Engineering and Science</i> , 1991, 31, 145-152.	1.5	10
114	Development of density distributions in injection molded amorphous engineering plastics. Part II. <i>Polymer Engineering and Science</i> , 1991, 31, 153-160.	1.5	10
115	Analysis of Slurry-Coating Effectiveness of CL-20 Using Grazing Incidence X-ray Diffraction. <i>Journal of Energetic Materials</i> , 2003, 21, 185-199.	1.0	10
116	Anisotropy and dimensions of blow-molded polyethylene bottles. <i>Polymer Engineering and Science</i> , 1982, 22, 287-291.	1.5	9
117	Simulation of microstructure development in injection molding of engineering plastics. <i>Journal of Applied Polymer Science</i> , 1992, 44, 477-489.	1.3	9
118	Quantitative characterization of degree of mixedness of lova grains. <i>Journal of Energetic Materials</i> , 1996, 14, 57-73.	1.0	9
119	PORE FORMATION IN THE PYROLYSIS OF POLYMERS TO CERAMICS. <i>Chemical Engineering Communications</i> , 1990, 96, 155-175.	1.5	8
120	Ab initio cluster model study of polymer-metal interactions. <i>Computational and Theoretical Polymer Science</i> , 1997, 7, 75-80.	1.1	8
121	Uniaxial Extensional Flow Behavior of a Glass Fiber-Filled Engineering Plastic. <i>Journal of Reinforced Plastics and Composites</i> , 2003, 22, 327-337.	1.6	8
122	Flow and structure development behavior of bar soaps containing synthetic detergent. <i>Rheologica Acta</i> , 2004, 43, 396.	1.1	8
123	Study of Polymorph Prediction For L-Ascorbic Acid. <i>International Journal of Molecular Sciences</i> , 2005, 6, 291-302.	1.8	8
124	Safety in Design and Manufacturing of Extruders Used for the Continuous Processing of Energetic Formulations. <i>Journal of Energetic Materials</i> , 2007, 25, 247-271.	1.0	8
125	Experimental investigation and modeling of the dissolution of polymers and filled polymers. <i>Polymer Engineering and Science</i> , 1998, 38, 90-100.	1.5	7
126	Squeeze Flow Rheometry for Rheological Characterization of Energetic Formulations. <i>Journal of Energetic Materials</i> , 2006, 24, 195-212.	1.0	7

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127	Compounding of thermosets in continuous kneaders. <i>Advances in Polymer Technology</i> , 1986, 6, 237-249.	0.8	6
128	Parison formation and inflation behavior of polyamide-6 during extrusion blow molding. <i>Polymer Engineering and Science</i> , 1996, 36, 1897-1906.	1.5	6
129	Mathematical Modeling of Three-Dimensional Die Flows of Viscoplastic Fluids with Wall Slip. <i>Journal of Reinforced Plastics and Composites</i> , 2000, 19, 1483-1492.	1.6	6
130	Mathematical Model for a Fed-Batch Crystallization Process for Energetic Crystals to Achieve Targeted Size Distributions. <i>Journal of Energetic Materials</i> , 2006, 24, 157-172.	1.0	6
131	A nanobursa mesh: a graded electrospun nanofiber mesh with metal nanoparticles on carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 8527-8530.	2.8	6
132	Parallel-Disk Viscometry of a Viscoplastic Hydrogel: Yield Stress and Other Parameters of Shear Viscosity and Wall Slip. <i>Gels</i> , 2022, 8, 230.	2.1	6
133	Processability of organometallic polymer precursors for nonoxide ceramic applications. <i>Advances in Polymer Technology</i> , 1987, 7, 191-199.	0.8	5
134	Unusual fracture surface morphology of fatigued carbon nanofiber/poly(ether ether ketone) composites. <i>Carbon</i> , 2012, 50, 2359-2361.	5.4	5
135	Reverse Kebab Structure Formed inside Carbon Nanofibers via Nanochannel Flow. <i>Langmuir</i> , 2015, 31, 10047-10055.	1.6	5
136	Effect of multistage sonication on dispersive mixing of polymer nanocomposites characterized via shear-induced crystallization behavior. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	5
137	Nanoporous nanocomposite membranes via hybrid twin-screw extrusion-multijet electrospinning. <i>Nanotechnology</i> , 2017, 28, 025301.	1.3	5
138	Development of cracks in injection moldings of poly (2,6-dimethyl-1, 4 phenylene ether). <i>Polymer Engineering and Science</i> , 1991, 31, 1393-1399.	1.5	4
139	Dissolution study of BAMO/AMMO thermoplastic elastomer for the recycling and recovery of energetic materials. <i>Journal of Energetic Materials</i> , 1997, 15, 73-107.	1.0	4
140	Crystallization-Arrested Viscoelastic Phase Separation in Semiconducting Polymer Gels. <i>ACS Applied Polymer Materials</i> , 2019, 1, 500-508.	2.0	4
141	Processing of Gun Propellants in Continuous Shear Roll Mills. <i>Journal of Energetic Materials</i> , 2007, 26, 29-51.	1.0	3
142	Polymer Nanocomposite Processing, Characterization, and Applications. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-2.	1.5	3
143	Viscoelastic properties and flow instabilities of aqueous suspensions of cellulosic fibers: Effects of a gelation agent on dispersion, rheology, and flow stability. <i>Polymer Engineering and Science</i> , 2021, 61, 1150-1165.	1.5	3
144	Melt Deformation during Parison Formation and Inflation in Extrusion Blow Molding. , 1980, , 149-155.		3

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145	Development of Mathematical Tools to Determine Optimum Enclosure Designs for Controlling Electromagnetic Fields. Journal of Reinforced Plastics and Composites, 1993, 12, 1212-1220.	1.6	2
146	Dynamic assembly of anionic surfactant into highly-ordered vesicles. Journal of Colloid and Interface Science, 2011, 356, 579-588.	5.0	2
147	Impact of ultrasonication on carbon nanotube demixing and damage in polymer nanocomposites. Journal of Applied Polymer Science, 2020, 137, 49370.	1.3	2
148	Investigation of the Properties of PEEK-Nanotube Composites Prepared by Solution Methods. , 2009, , .		2
149	Simulation Of The Mixing Of Highly Filled Suspensions In The Co-Rotating Twin Screw Extrusion Process. , 1988, 0872, 71.		1
150	Disposal of chemical munitions using concomitant neutralization, gelation and encapsulation. Journal of Energetic Materials, 1995, 13, 165-183.	1.0	1
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