

Denis Rodrigue

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

329
papers

6,546
citations

39
h-index

63
g-index

346
ext. papers

7,825
ext. citations

2.9
avg, IF

6.75
L-index

#	Paper	IF	Citations
329	Membrane gas separation technologies for biogas upgrading. <i>RSC Advances</i> , 2015 , 5, 24399-24448	3.7	228
328	Wetting phenomenon in membrane contactors [Causes and prevention]. <i>Journal of Membrane Science</i> , 2014 , 452, 332-353	9.6	177
327	Amine-Functionalized MIL-53 Metal-Organic Framework in Polyimide Mixed Matrix Membranes for CO ₂ /CH ₄ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6895-6906	3.9	164
326	Viscoelastic properties of dispersed chitosan/xanthan hydrogels. <i>Carbohydrate Polymers</i> , 2007 , 67, 586-593	5.3	129
325	Critical Experimental Comparison between Five Techniques for the Determination of Interfacial Tension in Polymer Blends: A Model System of Polystyrene/Polyamide-6. <i>Macromolecules</i> , 2000 , 33, 8020-8034	5.5	125
324	Structural, mechanical and thermal properties of bio-based hybrid composites from waste coir residues: Fibers and shell particles. <i>Mechanics of Materials</i> , 2016 , 93, 134-144	3.3	121
323	Mixed matrix membranes based on amine and non-amine MIL-53(Al) in Pebax® MH-1657 for CO ₂ separation. <i>Separation and Purification Technology</i> , 2018 , 200, 177-190	8.3	119
322	A Review on Porous Polymeric Membrane Preparation. Part I: Production Techniques with Polysulfone and Poly (Vinylidene Fluoride). <i>Polymers</i> , 2019 , 11,	4.5	119
321	Oil displacement mechanisms of viscoelastic polymers in enhanced oil recovery (EOR): a review. <i>Journal of Petroleum Exploration and Production</i> , 2014 , 4, 113-121	2.2	103
320	Optimization of continuous phase in amino-functionalized metal-organic framework (MIL-53) based co-polyimide mixed matrix membranes for CO ₂ /CH ₄ separation. <i>RSC Advances</i> , 2013 , 3, 24266	3.7	102
319	Polymer functionalization to enhance interface quality of mixed matrix membranes for high CO ₂ /CH ₄ gas separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15202-15213	13	100
318	Mechanical and thermal properties of hybrid composites: Oil-palm fiber/clay reinforced high density polyethylene. <i>Mechanics of Materials</i> , 2016 , 98, 36-43	3.3	100
317	Mechanical, rheological, morphological and water absorption properties of maleated polyethylene/hemp composites: Effect of ground tire rubber addition. <i>Composites Part B: Engineering</i> , 2013 , 51, 337-344	10	83
316	Compatibilization of kraft lignin-polyethylene composites using unreactive compatibilizers. <i>Journal of Applied Polymer Science</i> , 2014 , 131,	2.9	79
315	Crosslinked MOF-polymer to enhance gas separation of mixed matrix membranes. <i>Journal of Membrane Science</i> , 2016 , 520, 941-950	9.6	78
314	Mixed matrix membranes of aminosilanes grafted FAU/EMT zeolite and cross-linked polyimide for CO ₂ /CH ₄ separation. <i>Polymer</i> , 2012 , 53, 3269-3280	3.9	77
313	Cell morphology analysis of high density polymer foams. <i>Polymer Testing</i> , 2005 , 24, 1027-1035	4.5	75

312	Waste Rubber Recycling: A Review on the Evolution and Properties of Thermoplastic Elastomers. <i>Materials</i> , 2020 , 13,	3.5	70
311	Biocomposites based on Argan nut shell and a polymer matrix: Effect of filler content and coupling agent. <i>Carbohydrate Polymers</i> , 2016 , 143, 70-83	10.3	70
310	A Review on Porous Polymeric Membrane Preparation. Part II: Production Techniques with Polyethylene, Polydimethylsiloxane, Polypropylene, Polyimide, and Polytetrafluoroethylene. <i>Polymers</i> , 2019 , 11,	4.5	70
309	An experimental study of the effect of surfactants on the free rise velocity of gas bubbles. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1996 , 66, 213-232	2.7	65
308	Bio-composites based on polylactic acid and argan nut shell: Production and properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 30-42	7.9	61
307	The effect of carbon nanotube orientation and content on the mechanical properties of polypropylene based composites. <i>Materials & Design</i> , 2014 , 55, 653-663		56
306	Current Issues and Challenges in Polypropylene Foaming: A Review. <i>Frontiers in Forests and Global Change</i> , 2015 , 34, 299-338	1.6	55
305	Effect of fiber content and surface treatment on the mechanical properties of natural fiber composites produced by rotomolding. <i>Composite Interfaces</i> , 2017 , 24, 35-53	2.3	53
304	Effect of hybridization on the physical and mechanical properties of high density polyethylene (pine/agave) composites. <i>Materials & Design</i> , 2014 , 64, 35-43		53
303	Mechanical and rheological behavior of highly filled polystyrene with lignin. <i>Polymer Composites</i> , 2012 , 33, 353-361	3	53
302	Generalized correlation for bubble motion. <i>AIChE Journal</i> , 2001 , 47, 39-44	3.6	53
301	Facile production of biodegradable PCL/PLA in situ nanofibrillar composites with unprecedented compatibility between the blend components. <i>Chemical Engineering Journal</i> , 2018 , 351, 976-984	14.7	52
300	A comparison between bio- and mineral calcium carbonate on the properties of polypropylene composites. <i>Construction and Building Materials</i> , 2017 , 134, 549-555	6.7	51
299	A rheological criterion to determine the percolation threshold in polymer nano-composites. <i>Rheologica Acta</i> , 2014 , 53, 869-882	2.3	47
298	Mechanical Properties and Flow Behavior of Polymers for Enhanced Oil Recovery. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 625-644	1.4	47
297	Cellular Polymer Ferroelectret: A Review on Their Development and Their Piezoelectric Properties. <i>Advances in Polymer Technology</i> , 2018 , 37, 468-483	1.9	46
296	Preparation and morphology of polypropylene/wood flour composite foams via extrusion. <i>Polymer Composites</i> , 2005 , 26, 731-738	3	45
295	Rotational molding of polyethylene composites based on agave fibers. <i>Polymer Engineering and Science</i> , 2012 , 52, 2489-2497	2.3	44

294	High-density polyethylene foams. I. Polymer and foam characterization. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2111-2119	2.9	42
293	Amine-functionalized CuBTC/poly(ether-b-amide-6) (Pebax [®] MH 1657) mixed matrix membranes for CO ₂ /CH ₄ separation. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 2024-2033	2.3	41
292	Effect of wood powder on polymer foam nucleation. <i>Journal of Vinyl and Additive Technology</i> , 2006 , 12, 19-24	2	41
291	Diamino-organosilicone APTMDS: A new cross-linking agent for polyimides membranes. <i>Separation and Purification Technology</i> , 2012 , 86, 221-233	8.3	40
290	Effect of Mold Temperature on Morphology and Mechanical Properties of Injection Molded HDPE Structural Foams. <i>Journal of Cellular Plastics</i> , 2008 , 44, 223-237	1.5	39
289	Comparison between ZIF-67 and ZIF-8 in Pebax [®] MH-1657 mixed matrix membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2020 , 235, 116150	8.3	39
288	Effect of thermal annealing on the mechanical and thermal properties of polylactic acid/cellulosic fiber biocomposites. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	38
287	Rheological properties of polypropylene/hemp fiber composites. <i>Polymer Composites</i> , 2009 , 30, 1401-1407		37
286	The effect of injection molding conditions on the morphology of polymer structural foams. <i>Polymer Engineering and Science</i> , 2009 , 49, 949-959	2.3	37
285	On the characterization of polymer powders mixing dynamics by texture analysis. <i>Powder Technology</i> , 2008 , 183, 177-188	5.2	37
284	Effect of fiber treatment on the water absorption and mechanical properties of hemp fiber/polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 942-949	2.9	36
283	Recycling Waste Tires into Ground Tire Rubber (GTR)/Rubber Compounds: A Review. <i>Journal of Composites Science</i> , 2020 , 4, 103	3	36
282	Morphology and Mechanical Properties of Foamed Polyethylene-Polypropylene Blends. <i>Journal of Cellular Plastics</i> , 2005 , 41, 417-435	1.5	35
281	Injection Molding of Postconsumer Wood/Plastic Composites I: Morphology. <i>Journal of Thermoplastic Composite Materials</i> , 2006 , 19, 639-657	1.9	35
280	Mechanical, thermal, and rheological properties of polypropylene hybrid composites based clay and graphite. <i>Journal of Composite Materials</i> , 2017 , 51, 3563-3576	2.7	34
279	High density polyethylene foams. II. Elastic modulus. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2120-2129		34
278	Polylactic acid-agave fiber biocomposites produced by rotational molding: A comparative study with compression molding. <i>Advances in Polymer Technology</i> , 2018 , 37, 2528-2540	1.9	33
277	Effect of macrovoids in nano-silica/polyimide mixed matrix membranes for high flux CO ₂ /CH ₄ gas separation. <i>RSC Advances</i> , 2014 , 4, 12235	3.7	33

276	Effect of Maleated PLA on the Properties of Rotomolded PLA-Agave Fiber Biocomposites. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 61-73	4.5	33
275	Hybrid composites based on polyethylene and coir/oil palm fibers. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 1684-1697	2.9	32
274	Non-isothermal decomposition kinetics of azodicarbonamide in high density polyethylene using a capillary rheometer. <i>Polymer Testing</i> , 2008 , 27, 730-735	4.5	32
273	High density polyethylene foams. IV. Flexural and tensile moduli of structural foams. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2139-2149	2.9	32
272	Effect of coupling agent content and water absorption on the mechanical properties of coir-agave fibers reinforced polyethylene hybrid composites. <i>Polymer Composites</i> , 2016 , 37, 3015-3024	3	31
271	Effect of hybridization and compatibilization on the mechanical properties of recycled polypropylene-hemp composites. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2494-2500	2.9	30
270	Equivalent continuum models of carbon nanotube reinforced polypropylene composites. <i>Materials & Design</i> , 2013 , 50, 936-945		30
269	Mechanical and morphological properties of wood plastic composites based on municipal plastic waste. <i>Polymer Composites</i> , 2013 , 34, 487-493	3	30
268	A General Correlation for the Rise Velocity of Single Gas Bubbles. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 82, 382-386	2.3	30
267	Rotomolded polyethylene-agave fiber composites: Effect of fiber surface treatment on the mechanical properties. <i>Polymer Engineering and Science</i> , 2016 , 56, 856-865	2.3	28
266	Linear and non-linear viscoelastic properties of ethylene vinyl acetate/nano-crystalline cellulose composites. <i>Rheologica Acta</i> , 2012 , 51, 127-142	2.3	28
265	Injection Molding of Postconsumer WoodPlastic Composites II: Mechanical Properties. <i>Journal of Thermoplastic Composite Materials</i> , 2006 , 19, 659-669	1.9	28
264	Polymerization compounding of polyurethane-fumed silica composites. <i>Polymer Engineering and Science</i> , 2006 , 46, 360-371	2.3	28
263	Laminated epoxy biocomposites based on clay and jute fibers. <i>Journal of Bionic Engineering</i> , 2017 , 14, 379-389	2.7	27
262	Morphological and mechanical characterization of foamed polyethylene via biaxial rotational molding. <i>Journal of Cellular Plastics</i> , 2015 , 51, 489-503	1.5	27
261	A simple correlation for gas bubbles rising in power-law fluids. <i>Canadian Journal of Chemical Engineering</i> , 2002 , 80, 289-292	2.3	27
260	Drag coefficient Reynolds number transition for gas bubbles rising steadily in viscous fluids. <i>Canadian Journal of Chemical Engineering</i> , 2001 , 79, 119-123	2.3	27
259	Enhancing CO ₂ separation performance of Pebax [®] MH-1657 with aromatic carboxylic acids. <i>Separation and Purification Technology</i> , 2019 , 212, 901-912	8.3	27

258	Highly filled thermoplastic elastomers from ground tire rubber, maleated polyethylene and high density polyethylene. <i>Plastics, Rubber and Composites</i> , 2013 , 42, 115-122	1.5	26
257	The slow motion of a single gas bubble in a non-Newtonian fluid containing surfactants. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999 , 86, 211-227	2.7	26
256	Comparison of the mechanical properties between carbon nanotube and nanocrystalline cellulose polypropylene based nano-composites. <i>Materials & Design</i> , 2015 , 65, 974-982		25
255	Polymer powders mixing part II: Multi-component mixing dynamics using RGB color analysis. <i>Chemical Engineering Science</i> , 2010 , 65, 3729-3738	4.4	25
254	Polymer powders mixing part I: Mixing characterization in rotating cylinders. <i>Chemical Engineering Science</i> , 2010 , 65, 786-795	4.4	25
253	The effect of fibre and coupling agent content on the mechanical properties of hemp/polypropylene composites. <i>Composite Interfaces</i> , 2007 , 14, 837-848	2.3	25
252	Morphological, thermal, mechanical, electrical and magnetic properties of ABS/PA6/SBR blends with Fe ₃ O ₄ nano-particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17120-17130	2.1	24
251	Nano-crystalline cellulose, chemical blowing agent, and mold temperature effect on morphological, physical/mechanical properties of polypropylene. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	24
250	Enhanced electroactive phase in three phase PVDF/CaCO ₃ /nanoclay composites: Effect of micro-CaCO ₃ and uniaxial stretching. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	23
249	Effect of nanocrystalline cellulose on morphological, thermal, and mechanical properties of Nylon 6 composites. <i>Polymer Composites</i> , 2016 , 37, 1473-1479	3	23
248	Effect of Particle Size and Shape on the Reinforcing Efficiency of Nanoparticles in Polymer Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 1220-1231	3.9	23
247	Novel self-assembling polymeric system based on a hydrophobic modified copolymer: formulation, rheological characterization, and performance in enhanced heavy oil recovery. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 732-741	3.2	23
246	Morphology of Extruded PP/HDPE Foam Blends. <i>Journal of Cellular Plastics</i> , 2006 , 42, 469-485	1.5	23
245	Fatigue behavior of polystyrene (PS) analyzed from the Fourier transform (FT) of stress response: First evidence of I ₂ /1(N) and I ₃ /1(N) as new fingerprints. <i>Polymer Testing</i> , 2017 , 60, 343-350	4.5	22
244	Effect of hemp surface modification on the morphological and tensile properties of linear medium density polyethylene (LMDPE) composites. <i>Composite Interfaces</i> , 2016 , 23, 405-421	2.3	22
243	Degradation behavior of maleated polyethylene/ground tire rubber thermoplastic elastomers with and without stabilizers. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2184-2192	4.7	22
242	Effect of friction coefficient and density on mixing particles in the rolling regime. <i>Powder Technology</i> , 2011 , 212, 340-347	5.2	22
241	The Effect of Skin Thickness on the Mechanical Properties of Structural Foams. <i>Frontiers in Forests and Global Change</i> , 2004 , 23, 193-210	1.6	22

240	Production of Thermoplastic Elastomers Based on Recycled PE and Ground Tire Rubber: Morphology, Mechanical Properties and Effect of Compatibilizer Addition. <i>International Polymer Processing</i> , 2018 , 33, 525-534	1	22
239	Effect of agave fiber surface treatment on the properties of polyethylene composites produced by dry-blending and compression molding. <i>Polymer Composites</i> , 2017 , 38, 96-104	3	21
238	Unmodified and esterified Kraft lignin-filled polyethylene composites: Compatibilization by free-radical grafting. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	21
237	Asymmetric microcellular composites: Morphological properties. <i>Journal of Cellular Plastics</i> , 2014 , 50, 449-473	1.5	21
236	Relationships between linear and nonlinear shear response of polymer nano-composites. <i>Rheologica Acta</i> , 2012 , 51, 991-1005	2.3	21
235	STEADY-SHEAR RHEOLOGY OF CONCENTRATED CHITOSAN SOLUTIONS. <i>Journal of Texture Studies</i> , 2004 , 35, 53-74	3.6	21
234	Understanding the Regeneration of EPDM Rubber Crumbs from Used Tyres. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2010 , 26, 51-81	1.7	20
233	Rotomolding of Thermoplastic Elastomers Based on Low-Density Polyethylene and Recycled Natural Rubber. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5430	2.6	20
232	Morphological, thermal, mechanical, and rheological properties of high density polyethylene reinforced with Illite clay. <i>Polymer Composites</i> , 2018 , 39, 1522-1533	3	19
231	Mixed matrix membranes based on silica nanoparticles and microcellular polymers for CO ₂ /CH ₄ separation. <i>Journal of Cellular Plastics</i> , 2018 , 54, 309-331	1.5	19
230	Alfa fibers/clay hybrid composites based on polypropylene: Mechanical, thermal, and structural properties. <i>Journal of Thermoplastic Composite Materials</i> , 2018 , 31, 974-991	1.9	19
229	Characterization of UHMWPE/wood composites produced via dry-blending and compression molding. <i>Polymer Composites</i> , 2013 , 34, 510-516	3	19
228	On-line prediction of crystallinity spatial distribution across polymer films using NIR spectral imaging and chemometrics methods. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 86, 869-878	2.3	19
227	Tensile Properties of Polymerization-Filled Kevlar Pulp/Polyethylene Composites. <i>Polymers and Polymer Composites</i> , 2004 , 12, 1-15	0.8	19
226	A Comparison between Several Commercial Polymer Hollow Fiber Membranes for Gas Separation. <i>Journal of Membrane and Separation Technology</i> , 2017 , 6, 1-15		19
225	Improving the Compatibility and Mechanical Properties of Natural Fibers/Green Polyethylene Biocomposites Produced by Rotational Molding. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 1040-1049	4.5	19
224	Influence of graphene oxide and graphene nanosheet on the properties of polyvinylidene fluoride nanocomposites. <i>Polymer Composites</i> , 2018 , 39, 2932-2941	3	18
223	Impact modification of polypropylene-based composites using surface-coated waste rubber crumbs. <i>Polymer Composites</i> , 2014 , 35, 2280-2289	3	18

222	Phosphogypsum Waste Used as Reinforcing Fillers in Polypropylene Based Composites: Structural, Mechanical and Thermal Properties. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 658-666	4.5	18
221	Compatibilization efficiency in post-consumer recycled polyethylene/polypropylene blends: Effect of contamination. <i>Polymer Engineering and Science</i> , 2015 , 55, 2368-2376	2.3	18
220	Highly hydrophobic microporous low-density polyethylene hollow fiber membranes by melt-extrusion coupled with salt-leaching technique. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 584-592	3.2	18
219	Foams and Wood Composite Foams Produced by Rotomolding. <i>Frontiers in Forests and Global Change</i> , 2013 , 32, 199-212	1.6	18
218	The effect of density profile on the flexural properties of structural foams. <i>Polymer Engineering and Science</i> , 2007 , 47, 1459-1468	2.3	18
217	Biocomposites of Wood Flour and Polylactic Acid: Processing and Properties. <i>Journal of Biobased Materials and Bioenergy</i> , 2015 , 9, 252-257	1.4	18
216	Morphology and Mechanical Properties of Maple Reinforced LLDPE Produced by Rotational Moulding: Effect of Fibre Content and Surface Treatment. <i>Polymers and Polymer Composites</i> , 2018 , 26, 299-308	0.8	18
215	Improved viscoelasticity of xanthan gum through self-association with surfactant: Cyclodextrin inclusion complexes for applications in enhanced oil recovery. <i>Polymer Engineering and Science</i> , 2015 , 55, 523-532	2.3	17
214	N-Silylated Benzothiazolium Dye as a Coupling Agent for Polylactic Acid/Date Palm Fiber Bio-composites. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 2974-2987	4.5	17
213	Transverse mixing of polymer powders in a rotary cylinder part I: Active layer characterization. <i>Powder Technology</i> , 2012 , 219, 193-201	5.2	17
212	Thermal Analysis of Highly Filled Composites of Polystyrene with Lignin. <i>Polymers and Polymer Composites</i> , 2013 , 21, 357-366	0.8	17
211	Flexural behavior of asymmetric structural foams. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3103-3113	1.4	17
210	Mechanical and Morphological Properties of Flax Fiber Reinforced High Density Polyethylene/Recycled Rubber Composites. <i>International Polymer Processing</i> , 2012 , 27, 196-204	1	17
209	High density polyethylene foams. III. Tensile properties. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2130-2138	2.9	17
208	Piezoelectric cellular polymer films: Fabrication, properties and applications. <i>AIMS Materials Science</i> , 2018 , 5, 845-869	1.9	17
207	A Comparison between Sabra and Alfa Fibers in Rubber Biocomposites. <i>Journal of Bionic Engineering</i> , 2019 , 16, 754-767	2.7	16
206	Polypropylene reinforced with nanocrystalline cellulose: Coupling agent optimization. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	16
205	Simultaneous optimization of the mechanical properties of postconsumer natural fiber/plastic composites: Phase compatibilization and quality/cost ratio. <i>Polymer Composites</i> , 2014 , 35, 730-746	3	16

204	Injection molded self-hybrid composites based on polypropylene and natural fibers. <i>Polymer Composites</i> , 2014 , 35, 1798-1806	3	16
203	The effect of benzothiazolium surfactant modified montmorillonite content on the properties of polyamide 6 nanocomposites. <i>Applied Clay Science</i> , 2020 , 185, 105417	5.2	16
202	Self-hybridization and Coupling Agent Effect on the Properties of Natural Fiber/HDPE Composites. <i>Journal of Polymers and the Environment</i> , 2015 , 23, 126-136	4.5	15
201	Influence of molecular properties on the mechanical fatigue of polystyrene (PS) analyzed via Wfler curves and Fourier Transform rheology. <i>Polymer</i> , 2018 , 138, 1-7	3.9	15
200	Mechanical properties prediction of polypropylene/short coir fibers composites using a self-consistent approach. <i>Polymer Composites</i> , 2019 , 40, 1919-1929	3	15
199	Formulation of a Self-Assembling Polymeric Network System for Enhanced Oil Recovery Applications. <i>Advances in Polymer Technology</i> , 2014 , 33, n/a-n/a	1.9	15
198	The effect of recycling on LDPE foamability: Elongational rheology. <i>Polymer Engineering and Science</i> , 2008 , 48, 11-18	2.3	15
197	Influence of post-extrusion parameters on the final morphology of polystyrene/high density polyethylene blends. <i>Polymer Engineering and Science</i> , 2003 , 43, 1646-1656	2.3	15
196	Bubble velocity jump discontinuity in polyacrylamide solutions: a photographic study. <i>Rheologica Acta</i> , 1999 , 38, 177-182	2.3	15
195	Properties of Recycled PS/SBR Blends: Effect of SBR Pretreatment. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2016 , 32, 111-128	1.7	15
194	Optimization of the cellular morphology of biaxially stretched thin polyethylene foams produced by extrusion film blowing. <i>Frontiers in Forests and Global Change</i> , 2018 , 37, 153-168	1.6	15
193	Design analysis of three-layered structural composites based on post-consumer recycled plastics and wood residues. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 53, 1-9	8.4	14
192	Effect of surface modification on the interface quality between hemp and linear medium-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	14
191	Improved CO2 transport properties of Matrimid membranes by adding amine-functionalized PVDF and MIL-101(Cr). <i>Separation and Purification Technology</i> , 2020 , 235, 116149	8.3	14
190	Morphological, physical and mechanical properties of nanocrystalline cellulose filled Nylon 6 foams. <i>Journal of Cellular Plastics</i> , 2017 , 53, 253-271	1.5	13
189	Polymer ferroelectret based on polypropylene foam: piezoelectric properties prediction using dynamic mechanical analysis. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 476-483	3.2	13
188	AC and DC electrical behavior of MWCNT/epoxy nanocomposite near percolation threshold: Equivalent circuits and percolation limits. <i>Journal of Applied Physics</i> , 2018 , 123, 105109	2.5	13
187	Rotational molding of self-hybrid composites based on linear low-density polyethylene and maple fibers. <i>Polymer Composites</i> , 2018 , 39, 4094-4103	3	13

186	Morphology and properties of polystyrene/agave fiber composites and foams. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 599-606	2.9	13
185	Morphological, chemical and thermal stability of microporous LDPE hollow fiber membranes in contact with single and mixed amine based CO ₂ absorbents. <i>Separation and Purification Technology</i> , 2012 , 96, 117-123	8.3	13
184	Validity of the modified molecular stress function theory to predict the rheological properties of polymer nanocomposites. <i>Journal of Rheology</i> , 2013 , 57, 881-899	4.1	13
183	Flexural Modulus of Symmetric and Asymmetric Structural Foams. <i>Journal of Cellular Plastics</i> , 2009 , 45, 405-418	1.5	13
182	Polyethylene-Kevlar Composite Foams III: Torsion Properties. <i>Frontiers in Forests and Global Change</i> , 2005 , 24, 1-14	1.6	13
181	Effect of surface treatment on the physical and mechanical properties of injection molded poly(lactic acid)-coir fiber biocomposites. <i>Polymer Composites</i> , 2019 , 40, 2132-2141	3	13
180	Highly porous lignin composites for dye removal in batch and continuous-flow systems. <i>Materials Letters</i> , 2020 , 263, 127289	3.3	12
179	Morphology development of polypropylene cellular films for piezoelectric applications. <i>Journal of Cellular Plastics</i> , 2012 , 48, 341-354	1.5	12
178	Bubble drag in contaminated non-newtonian solutions. <i>Canadian Journal of Chemical Engineering</i> , 1997 , 75, 794-796	2.3	12
177	Lowering the Viscosity of DobaĀhad Heavy Crude Oil for Pipeline TransportationThe Hydrovisbreaking Approach. <i>Energy & Fuels</i> , 2004 , 18, 1156-1168	4.1	12
176	Biodegradability and improved mechanical performance of polyhydroxyalkanoates/agave fiber biocomposites compatibilized by different strategies. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50182	2.9	12
175	The effect of polyester recycled tire fibers mixed with ground tire rubber on polyethylene composites. Part II: Physico-mechanical analysis. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2018 , 34, 128-142	1.7	12
174	Mixed matrix membranes based on NH ₂ -MIL-53 (Al) and 6FDA-ODA polyimide for CO ₂ separation: Effect of the processing route on improving MOF-polymer interfacial interaction. <i>Separation and Purification Technology</i> , 2021 , 270, 118786	8.3	12
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13	High-performance thermal insulator based on polymer foam and silica xerogel. <i>Polymer Engineering and Science</i> , 2022 , 62, 637-647	2.3	0
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