

# Adriaan S Luyt

## List of Publications by Citations

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232  
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6,999  
ext. citations

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#	Paper	IF	Citations
232	Fabrication and Characterization of SilverPolyvinyl Alcohol Nanocomposites. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 5019-5024	9.6	512
231	Thermal, mechanical and electrical properties of copper powder filled low-density and linear low-density polyethylene composites. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 1629-1636	4.7	262
230	Crystalline structure of annealed polylactic acid and its relation to processing. <i>EXPRESS Polymer Letters</i> , <b>2010</b> , 4, 659-668	3.4	209
229	Comparison of injection moulded, natural fibre-reinforced composites with PP and PLA as matrices. <i>Journal of Thermoplastic Composite Materials</i> , <b>2012</b> , 25, 927-948	1.9	168
228	Review on flammability of biofibres and biocomposites. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 149-82	10.3	131
227	Single polymer composites: a review. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 6213-6222	4.3	123
226	Morphology, mechanical and thermal properties of composites of polypropylene and nanostructured wollastonite filler. <i>Polymer Testing</i> , <b>2009</b> , 28, 348-356	4.5	116
225	Phase change materials based on low-density polyethylene/paraffin wax blends. <i>European Polymer Journal</i> , <b>2007</b> , 43, 4695-4705	5.2	108
224	Morphology and thermal degradation studies of melt-mixed poly(lactic acid) (PLA)/poly( $\epsilon$ -caprolactone) (PCL) biodegradable polymer blend nanocomposites with TiO <sub>2</sub> as filler. <i>Polymer Testing</i> , <b>2015</b> , 45, 93-100	4.5	103
223	Fabrication and antibacterial properties of ZnOβlginate nanocomposites. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 263-269	10.3	97
222	Electrospun alginate nanofibres impregnated with silver nanoparticles: Preparation, morphology and antibacterial properties. <i>Carbohydrate Polymers</i> , <b>2017</b> , 165, 304-312	10.3	93
221	Thermal and mechanical properties of polypropyleneWood powder composites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 4173-4180	2.9	89
220	Kinetics of Alkoxysilanes and Organoalkoxysilanes Polymerization: A Review. <i>Polymers</i> , <b>2019</b> , 11,	4.5	87
219	Polypropylene as a potential matrix for the creation of shape stabilized phase change materials. <i>European Polymer Journal</i> , <b>2007</b> , 43, 895-907	5.2	80
218	The effect of synthetic antioxidants on the oxidative stability of biodiesel. <i>Fuel</i> , <b>2012</b> , 94, 227-233	7.1	77
217	GreenSynthesis and optical properties of silverβhitosan complexes and nanocomposites. <i>Reactive and Functional Polymers</i> , <b>2010</b> , 70, 869-873	4.6	76
216	The effect of silica nanoparticles on the morphology, mechanical properties and thermal degradation kinetics of PMMA. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 452-459	4.7	72

215	Mechanical properties of uncrosslinked and crosslinked linear low-density polyethylene/wax blends. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 81, 973-980	2.9	65
214	Morphology and properties of polypropylene/ethylene vinyl acetate copolymer/wood powder blend composites. <i>EXPRESS Polymer Letters</i> , <b>2009</b> , 3, 190-199	3.4	65
213	Nanocomposites Based on Polyethylene and Polyhedral Oligomeric Silsesquioxanes, 1 □ Microstructure, Thermal and Thermomechanical Properties. <i>Macromolecular Materials and Engineering</i> , <b>2008</b> , 293, 752-762	3.9	62
212	Physical morphological and chemical changes leading to an increase in adhesion between plasma treated polyester fibres and a rubber matrix. <i>Applied Surface Science</i> , <b>2006</b> , 252, 4264-4278	6.7	62
211	Synthesis, characterization, and antimicrobial properties of novel double layer nanocomposite electrospun fibers for wound dressing applications. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2205-2213 <sup>61</sup>	7.3	61
210	Comparison of LDPE, LLDPE and HDPE as matrices for phase change materials based on a soft Fischer-Tropsch paraffin wax. <i>Thermochimica Acta</i> , <b>2010</b> , 500, 88-92	2.9	58
209	Thermal and mechanical properties of cross-linked and uncross-linked linear low-density polyethylene/wax blends. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 79, 53-59	4.7	58
208	Thermally conductive phase-change materials for energy storage based on low-density polyethylene, soft Fischer-Tropsch wax and graphite. <i>Thermochimica Acta</i> , <b>2012</b> , 527, 75-82	2.9	57
207	Thermal properties of uncross-linked and cross-linked LLDPE/wax blends. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 70, 111-117	4.7	56
206	Development of multifunctional nano/ultrafiltration membrane based on a chitosan thin film on alginate electrospun nanofibres. <i>Journal of Cleaner Production</i> , <b>2017</b> , 156, 470-479	10.3	55
205	PMMA/itania nanocomposites: Properties and thermal degradation behaviour. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1325-1333	4.7	54
204	Preparation and properties of polystyrene encapsulated paraffin wax as possible phase change material in a polypropylene matrix. <i>Thermochimica Acta</i> , <b>2012</b> , 544, 63-70	2.9	49
203	Thermal and mechanical properties of LLDPE cross-linked with gamma radiation. <i>Polymer Degradation and Stability</i> , <b>2001</b> , 71, 361-366	4.7	49
202	Morphology, thermal, and dynamic mechanical properties of poly(lactic acid)/sisal whisker nanocomposites. <i>Polymer Composites</i> , <b>2012</b> , 33, 1025-1032	3	48
201	Tensile Stress Relaxation Studies of TiO <sub>2</sub> and Nanosilica Filled Natural Rubber Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 3410-3416	3.9	48
200	Thermal properties of isotactic polypropylene degraded with gamma irradiation. <i>Polymer Degradation and Stability</i> , <b>2001</b> , 72, 505-508	4.7	48
199	Silver nanoparticles encapsulated in glycogen biopolymer: Morphology, optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 883-890	10.3	47
198	Review on PCL, PBS, and PCL/PBS blends containing carbon nanotubes. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 505-529	3.4	47

197	Dynamic mechanical properties of PLA/PHBV, PLA/PCL, PHBV/PCL blends and their nanocomposites with TiO <sub>2</sub> as nanofiller. <i>Thermochimica Acta</i> , <b>2015</b> , 613, 41-53	2.9	46
196	The effect of cross-linking on the thermal properties of LDPE/wax blends. <i>Thermochimica Acta</i> , <b>2001</b> , 380, 47-54	2.9	46
195	Physical properties of blends of LLDPE and an oxidized paraffin wax. <i>Polymer</i> , <b>2001</b> , 42, 7285-7289	3.9	45
194	Influence of blending and blend morphology on the thermal properties and crystallization behaviour of PLA and PCL in PLA/PCL blends. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 4670-4681	4.3	44
193	Investigation of the physico-mechanical properties of electrospun PVDF/cellulose (nano)fibers. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	43
192	Physico-Mechanical, Dielectric, and Piezoelectric Properties of PVDF Electrospun Mats Containing Silver Nanoparticles. <i>Journal of Carbon Research</i> , <b>2017</b> , 3, 30	3.3	43
191	Comparative study of the morphology and properties of PP/LLDPE/wood powder and MAPP/LLDPE/wood powder polymer blend composites. <i>EXPRESS Polymer Letters</i> , <b>2010</b> , 4, 729-741	3.4	43
190	Thermal and mechanical properties of extruded LLDPE/wax blends. <i>Polymer Degradation and Stability</i> , <b>2001</b> , 73, 157-161	4.7	42
189	Adhesion strength study between plasma treated polyester fibres and a rubber matrix. <i>Applied Surface Science</i> , <b>2005</b> , 240, 268-274	6.7	41
188	The effect of silica nanoparticles on the morphology, mechanical properties and thermal degradation kinetics of polycarbonate. <i>Composites Science and Technology</i> , <b>2012</b> , 73, 34-39	8.6	40
187	Thermal and mechanical properties of PP/HDPE/wood powder and MAPP/HDPE/wood powder polymer blend composites. <i>Thermochimica Acta</i> , <b>2017</b> , 654, 40-50	2.9	39
186	Effect of different modified clays on the thermal and physical properties of polypropylene-montmorillonite nanocomposites. <i>Materials Letters</i> , <b>2006</b> , 60, 2877-2880	3.3	39
185	Morphology and thermal degradation studies of melt-mixed PLA/PHBV biodegradable polymer blend nanocomposites with TiO <sub>2</sub> as filler. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	38
184	Effect of alkali treatment on the flexural properties of Hildegardia fabric composites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 1297-1302	2.9	38
183	Morphology, mechanical properties and thermal degradation kinetics of PMMA-zirconia nanocomposites prepared by melt compounding. <i>EXPRESS Polymer Letters</i> , <b>2012</b> , 6, 871-881	3.4	37
182	Structure and Mechanical Properties of Polycarbonate Modified Clay Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1880-1885	1.3	37
181	Thermal behaviour of low and high molecular weight paraffin waxes used for designing phase change materials. <i>Thermochimica Acta</i> , <b>2008</b> , 467, 117-120	2.9	37
180	Morphology and thermal degradation studies of melt-mixed poly(hydroxybutyrate-co-valerate) (PHBV)/poly(ε-caprolactone) (PCL) biodegradable polymer blend nanocomposites with TiO <sub>2</sub> as filler. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3812-3824	4.3	36

179	Effects of organic peroxide and polymer chain structure on morphology and thermal properties of sisal fibre reinforced polyethylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 703-710	8.4	36
178	Phase change materials formed by uv curable epoxy matrix and Fischer-Tropsch paraffin wax. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 57-61	10.6	36
177	Studies on single polymer composites of poly(methyl methacrylate) reinforced with electrospun nanofibers with a focus on their dynamic mechanical properties. <i>EXPRESS Polymer Letters</i> , <b>2011</b> , 5, 635-642	2.1	36
176	The effect of expanded graphite on the thermal stability, latent heat, and flammability properties of EVA/wax phase change blends. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 1255-1262	2.3	35
175	Ferroelectric nanocomposites of polyvinylidene fluoride/polymethyl methacrylate blend and BaTiO <sub>3</sub> particles: Fabrication of a crystal polymorph rich matrix through mechanical activation of the filler. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 084109	2.5	35
174	Thermal fractionation and properties of different polyethylene/wax blends. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 2225-2236	2.9	35
173	Effect of oxidized paraffin wax on the thermal and mechanical properties of linear low-density polyethylene layered silicate nanocomposites. <i>Polymer Testing</i> , <b>2007</b> , 26, 461-470	4.5	35
172	Composites of linear low density polyethylene and short sisal fibres: The effects of peroxide treatment. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 3403-3412	4.3	35
171	Reinforcement of EPDM rubber with in situ generated silica particles in the presence of a coupling agent via a sol-gel route. <i>Polymer Testing</i> , <b>2014</b> , 33, 97-106	4.5	34
170	Glycogen and gold nanoparticle bioconjugates: controlled plasmon resonance via glycogen-induced nanoparticle aggregation. <i>RSC Advances</i> , <b>2013</b> , 3, 8705	3.7	34
169	Preparation and characterization of EVA/sisal fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 1607-1617	2.9	34
168	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. <i>Chemical Engineering Journal</i> , <b>2014</b> , 253, 341-349	14.7	33
167	Comparison of the influence of copper micro- and nano-particles on the mechanical properties of polyethylene/copper composites. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 82-88	4.3	33
166	Composites of low-density polyethylene and short sisal fibres: the effect of wax addition and peroxide treatment on thermal properties. <i>Thermochimica Acta</i> , <b>2005</b> , 426, 101-107	2.9	33
165	Thermal and dynamic mechanical properties of bio-based poly(furfuryl alcohol)/sisal whiskers nanocomposites. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 1265-1276	2.4	31
164	Investigation of polyethylene/sisal whiskers nanocomposites prepared under different conditions. <i>Polymer Composites</i> , <b>2014</b> , 35, 2221-2233	3	29
163	Characterization of polystyrene filled with HgS nanoparticles. <i>Materials Letters</i> , <b>2004</b> , 58, 361-364	3.3	29
162	Viscoelastic properties and antimicrobial activity of cellulose fiber sheets impregnated with Ag nanoparticles. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 1139-46	10.3	28

161	The effect of expanded graphite on the flammability and thermal conductivity properties of phase change material based on PP/wax blends. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2263-2283	2.4	27
160	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 742-750	6	27
159	Effect of organic peroxides on the morphological, thermal and tensile properties of EVA-organoclay nanocomposites. <i>EXPRESS Polymer Letters</i> , <b>2008</b> , 2, 256-264	3.4	27
158	Nanofibrous alginate membrane coated with cellulose nanowhiskers for water purification. <i>Cellulose</i> , <b>2018</b> , 25, 417-427	5.5	26
157	Influence of the modification, induced by zirconia nanoparticles, on the structure and properties of polycarbonate. <i>European Polymer Journal</i> , <b>2013</b> , 49, 2022-2030	5.2	26
156	Effect of filler content and size on the properties of ethylene vinyl acetate copolymer/wood fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 3645-3654	2.9	26
155	Effect of poly(ethylene-co-glycidyl methacrylate) compatibilizer content on the morphology and physical properties of ethylene vinyl acetate/wood fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 3206-3213	2.9	26
154	Synergistic effect of expanded graphite, diammonium phosphate and Cloisite 15A on flame retardant properties of EVA and EVA/wax phase-change blends. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3485-3494	4.3	25
153	Study of morphology, mechanical properties, and thermal degradation of polycarbonate-titania nanocomposites as function of titania crystalline phase and content. <i>Polymer Composites</i> , <b>2013</b> , 34, 164-172	3	25
152	Morphology and properties of NR/EPDM rubber blends filled with small amounts of titania nanoparticles. <i>Polymer Composites</i> , <b>2011</b> , 32, 1289-1296	3	25
151	Thermal properties of polypropylene/wax blends. <i>Thermochimica Acta</i> , <b>2001</b> , 372, 137-141	2.9	25
150	Comparison of the influence of Cu micro- and nano-particles on the thermal properties of polyethylene/Cu composites. <i>EXPRESS Polymer Letters</i> , <b>2009</b> , 3, 639-649	3.4	25
149	Thermal and mechanical properties of linear low-density polyethylene/low-density polyethylene/wax ternary blends. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 1748-1755	2.9	24
148	Structure and properties of PbS/polyacrylamide nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 81, 835-838	2.6	24
147	Effect of layered silicates on the thermal stability of PCL/PLA microfibrillar composites. <i>Polymer Testing</i> , <b>2016</b> , 50, 9-14	4.5	22
146	Polycarbonate reinforced with silica nanoparticles. <i>Polymer Bulletin</i> , <b>2011</b> , 66, 991-1004	2.4	22
145	Morphology and properties of EVA/empty fruit bunch composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2012</b> , 25, 895-914	1.9	22
144	Effect of sol-gel derived nano-silica and organic peroxide on the thermal and mechanical properties of low-density polyethylene/wood flour composites. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 1-8	4.7	21

143	Adhesive properties of polyester treated by cold plasma in oxygen and nitrogen atmospheres. <i>Surface and Coatings Technology</i> , <b>2013</b> , 235, 407-416	4.4	20
142	Preparation and characterization of EPDM rubber modified with in situ generated silica. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 2525-2532	2.9	20
141	Blends of polyamide 12 and maleic anhydride grafted paraffin wax as potential phase change materials. <i>Polymer Testing</i> , <b>2010</b> , 29, 100-106	4.5	20
140	Morphology and properties of poly(methyl methacrylate) (PMMA) filled with mesoporous silica (MCM-41) prepared by melt compounding. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 3957-3970	4.3	19
139	EPDM rubber reinforced with titania generated by nonhydrolytic sol-gel process. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 2544-2552	2.3	19
138	Study of Sago starch-CdS nanocomposite films: fabrication, structure, optical and thermal properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 986-93	1.3	19
137	Investigation of polyethylene/wax blends by CRYSTAF and SEC/TIR. <i>Polymer Bulletin</i> , <b>2004</b> , 52, 177	2.4	19
136	LDPE/wood composites utilizing degraded LDPE as compatibilizer. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 51, 80-88	8.4	18
135	Comparison of different waxes as processing agents for low-density polyethylene. <i>Polymer Testing</i> , <b>2006</b> , 25, 436-442	4.5	18
134	Improvement of the polarity of polyethylene with oxidized Fischer-Tropsch paraffin wax and its influence on the final mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 95, 1164-1168	2.9	18
133	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , <b>2019</b> , 2, 141-151	3.5	17
132	Composites comprising CdS nanoparticles and poly(ethylene oxide): optical properties and influence of the nanofiller content on the thermal behaviour of the host matrix. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 683-689	2.4	17
131	The influence of wax content on the physical properties of low-density polyethylene/wax blends. <i>Polymer International</i> , <b>2003</b> , 52, 999-1004	3.3	17
130	Preparation and characterisation of vinylsilane crosslinked low-density polyethylene composites filled with nano clays. <i>Polymer Bulletin</i> , <b>2014</b> , 71, 637-657	2.4	16
129	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly( $\epsilon$ -caprolactone) Mixed with a Polycarbonate/MWCNTs Masterbatch. <i>Polymers</i> , <b>2017</b> , 9,	4.5	16
128	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 414, 17-25	5.1	16
127	Polychloroprene nanocomposites filled with different organically modified clays: Morphology, thermal degradation and stress relaxation behaviour. <i>Polymer Testing</i> , <b>2011</b> , 30, 585-593	4.5	16
126	Preparation of a maleated Fischer-Tropsch paraffin wax and FTIR analysis of grafted maleic anhydride. <i>Polymer Testing</i> , <b>2005</b> , 24, 129-135	4.5	16

125	Effect of surfactant and electron treatment on the electrical and thermal conductivity as well as thermal and mechanical properties of ethylene vinyl acetate/expanded graphite composites. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	15
124	Effect of organic peroxides on the morphology and properties of EVA/Cloisite 15A nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 218-225	2.9	15
123	Latex derived blends of poly(vinyl acetate) and natural rubber: thermal and mechanical properties. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 3248-3254	4.3	15
122	Synthesis, Fourier transform infrared, nuclear magnetic resonance and thermal analysis of sodium and platinum complexes of 6-mercaptopurine. <i>Journal of Molecular Structure</i> , <b>2001</b> , 559, 49-54	3.4	15
121	Macro-micro relationship in nanostructured functional composites. <i>EXPRESS Polymer Letters</i> , <b>2012</b> , 6, 410-416	3.4	14
120	Preparation and characterisation of Ce:YAG -polycarbonate composites for white LED. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 664, 726-731	5.7	13
119	Synthesis and degradation kinetics of a novel polyester containing bithiazole rings. <i>Thermochimica Acta</i> , <b>2011</b> , 525, 9-15	2.9	13
118	Structure and properties of phase-change materials based on high-density polyethylene, hard Fischer-Tropsch paraffin wax, and wood flour. <i>Polymer Composites</i> , <b>2011</b> , 32, 1155-1163	3	13
117	Structural, luminescent and thermal properties of blue SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphor filled low-density polyethylene composites. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 4504-4508	2.8	13
116	Effect of maleic anhydride grafting and the presence of oxidized wax on the thermal and mechanical behaviour of LDPE/silica nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 761-768	5.3	13
115	Synthesis of Y <sub>2</sub> SiO <sub>5</sub> :Eu <sup>3+</sup> nanoparticles from a hydrothermally prepared silica sol. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 357-360	5.7	13
114	Kinetics of alkoxysilanes hydrolysis: An empirical approach. <i>Scientific Reports</i> , <b>2019</b> , 9, 17624	4.9	13
113	Morphology, thermal and dynamic mechanical properties of poly(lactic acid)/expandable graphite (PLA/EG) flame retardant composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2019</b> , 32, 89-107	1.9	13
112	Effect of halloysite nanotubes on the thermal degradation behaviour of poly( $\epsilon$ -caprolactone)/poly(lactic acid) microfibrillar composites. <i>Polymer Testing</i> , <b>2017</b> , 60, 166-172	4.5	12
111	Halogen-Free Flame-Retardant Compounds. Thermal Decomposition and Flammability Behavior for Alternative Polyethylene Grades. <i>Polymers</i> , <b>2019</b> , 11,	4.5	12
110	Characterization of luminescent and thermal properties of long afterglow SrAl <sub>x</sub> O <sub>y</sub> :Eu <sup>2+</sup> ,Dy <sup>3+</sup> phosphor synthesized by combustion method. <i>Polymer Composites</i> , <b>2011</b> , 32, 219-226	3	12
109	Kenaf fiber-reinforced copolyester biocomposites. <i>Polymer Composites</i> , <b>2011</b> , 32, 2001-2009	3	12
108	Chemical resistance, void contents, and morphological properties of Hildegardia fabric/polycarbonate-toughened epoxy composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 3945-3951	2.9	12



107	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly(Butylene Succinate) Mixed with a Polycarbonate/MWCNT Masterbatch. <i>Polymers</i> , <b>2018</b> , 10,	4.5	11
106	Improvement of interaction in and properties of PMMA-MWNT nanocomposites through microwave assisted acid treatment of MWNT. <i>European Polymer Journal</i> , <b>2013</b> , 49, 61-69	5.2	11
105	Preparation and characterization of EVA/PLA/sugarcane bagasse composites for water purification. <i>Journal of Composite Materials</i> , <b>2017</b> , 51, 1169-1186	2.7	11
104	Reduced percolation concentration in polypropylene/expanded graphite composites: Effect of viscosity and polypyrrole. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
103	Preparation and characterization of EPDM/silica composites prepared through non-hydrolytic sol-gel method in the absence and presence of a coupling agent. <i>EXPRESS Polymer Letters</i> , <b>2014</b> , 8, 809-822	3.4	11
102	Accelerated Weathering Effects on Poly(3-hydroxybutyrate--3-hydroxyvalerate) (PHBV) and PHBV/TiO Nanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	11
101	Plasticization and cocrystallization in LLDPE/wax blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1469-1482	2.6	11
100	Influence of in situ-generated silica nanoparticles on EPDM morphology, thermal, thermomechanical, and mechanical properties. <i>Polymer Composites</i> , <b>2015</b> , 36, 825-833	3	10
99	Structure and properties of a nucleated polypropylene impact copolymer. <i>Polymer International</i> , <b>2015</b> , 64, 222-228	3.3	10
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