

# Adriaan S Luyt

## List of Publications by Year in descending order

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236  
papers

7,837  
citations

46984

47  
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71651

76  
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240  
all docs

240  
docs citations

240  
times ranked

9098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterization of Silver~Polyvinyl Alcohol Nanocomposites. <i>Chemistry of Materials</i> , 2003, 15, 5019-5024.	3.2	565
2	Thermal, mechanical and electrical properties of copper powder filled low-density and linear low-density polyethylene composites. <i>Polymer Degradation and Stability</i> , 2006, 91, 1629-1636.	2.7	305
3	Crystalline structure of annealed polylactic acid and its relation to processing. <i>EXPRESS Polymer Letters</i> , 2010, 4, 659-668.	1.1	256
4	Comparison of injection moulded, natural fibre-reinforced composites with PP and PLA as matrices. <i>Journal of Thermoplastic Composite Materials</i> , 2012, 25, 927-948.	2.6	249
5	Kinetics of Alkoxy silanes and Organoalkoxy silanes Polymerization: A Review. <i>Polymers</i> , 2019, 11, 537.	2.0	179
6	Single polymer composites: a review. <i>Journal of Materials Science</i> , 2009, 44, 6213-6222.	1.7	161
7	Review on flammability of biofibres and biocomposites. <i>Carbohydrate Polymers</i> , 2014, 111, 149-182.	5.1	161
8	Phase change materials based on low-density polyethylene/paraffin wax blends. <i>European Polymer Journal</i> , 2007, 43, 4695-4705.	2.6	144
9	Morphology and thermal degradation studies of melt-mixed poly(lactic acid) (PLA)/poly( $\mu$ -caprolactone) (PCL) biodegradable polymer blend nanocomposites with TiO <sub>2</sub> as filler. <i>Polymer Testing</i> , 2015, 45, 93-100.	2.3	142
10	Morphology, mechanical and thermal properties of composites of polypropylene and nanostructured wollastonite filler. <i>Polymer Testing</i> , 2009, 28, 348-356.	2.3	132
11	Fabrication and antibacterial properties of ZnO~alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2012, 88, 263-269.	5.1	119
12	Electrospun alginate nanofibres impregnated with silver nanoparticles: Preparation, morphology and antibacterial properties. <i>Carbohydrate Polymers</i> , 2017, 165, 304-312.	5.1	114
13	Thermal and mechanical properties of polypropylene~wood powder composites. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4173-4180.	1.3	106
14	The effect of synthetic antioxidants on the oxidative stability of biodiesel. <i>Fuel</i> , 2012, 94, 227-233.	3.4	94
15	Polypropylene as a potential matrix for the creation of shape stabilized phase change materials. <i>European Polymer Journal</i> , 2007, 43, 895-907.	2.6	93
16	~Green~ synthesis and optical properties of silver~chitosan complexes and nanocomposites. <i>Reactive and Functional Polymers</i> , 2010, 70, 869-873.	2.0	86
17	Synthesis, characterization, and antimicrobial properties of novel double layer nanocomposite electrospun fibers for wound dressing applications. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2205-2213.	3.3	85
18	Comparison of LDPE, LLDPE and HDPE as matrices for phase change materials based on a soft Fischer~Tropsch paraffin wax. <i>Thermochimica Acta</i> , 2010, 500, 88-92.	1.2	81

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19	The effect of silica nanoparticles on the morphology, mechanical properties and thermal degradation kinetics of PMMA. <i>Polymer Degradation and Stability</i> , 2012, 97, 452-459.	2.7	80
20	Mechanical properties of uncrosslinked and crosslinked linear low-density polyethylene/wax blends. <i>Journal of Applied Polymer Science</i> , 2001, 81, 973-980.	1.3	76
21	Development of multifunctional nano/ultrafiltration membrane based on a chitosan thin film on alginate electrospun nanofibres. <i>Journal of Cleaner Production</i> , 2017, 156, 470-479.	4.6	71
22	Morphology and properties of polypropylene/ethylene vinyl acetate copolymer/wood powder blend composites. <i>EXPRESS Polymer Letters</i> , 2009, 3, 190-199.	1.1	71
23	Thermally conductive phase-change materials for energy storage based on low-density polyethylene, soft Fischer-Tropsch wax and graphite. <i>Thermochimica Acta</i> , 2012, 527, 75-82.	1.2	69
24	Thermal and mechanical properties of cross-linked and uncross-linked linear low-density polyethylene-wax blends. <i>Polymer Degradation and Stability</i> , 2003, 79, 53-59.	2.7	67
25	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> , 2006, 252, 4264-4278.	3.1	66
26	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> , 2015, 613, 41-53.	1.2	66
27	Physico-Mechanical, Dielectric, and Piezoelectric Properties of PVDF Electrospun Mats Containing Silver Nanoparticles. <i>Journal of Carbon Research</i> , 2017, 3, 30.	1.4	66
28	PMMA-titania nanocomposites: Properties and thermal degradation behaviour. <i>Polymer Degradation and Stability</i> , 2012, 97, 1325-1333.	2.7	65
29	Nanocomposites Based on Polyethylene and Polyhedral Oligomeric Silsesquioxanes, 1 - Microstructure, Thermal and Thermomechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 752-762.	1.7	64
30	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> , 2016, 51, 4670-4681.	1.7	64
31	Review on PCL, PBS, and PCL/PBS blends containing carbon nanotubes. <i>EXPRESS Polymer Letters</i> , 2018, 12, 505-529.	1.1	63
32	Thermal properties of uncross-linked and cross-linked LLDPE/wax blends. <i>Polymer Degradation and Stability</i> , 2000, 70, 111-117.	2.7	61
33	Preparation and properties of polystyrene encapsulated paraffin wax as possible phase change material in a polypropylene matrix. <i>Thermochimica Acta</i> , 2012, 544, 63-70.	1.2	58
34	Thermal and mechanical properties of LLDPE cross-linked with gamma radiation. <i>Polymer Degradation and Stability</i> , 2001, 71, 361-366.	2.7	56
35	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> , 2010, 4, 729-741.	1.1	56
36	The effect of expanded graphite on the thermal stability, latent heat, and flammability properties of <sc>EVA</sc>/wax phase change blends. <i>Polymer Engineering and Science</i> , 2015, 55, 1255-1262.	1.5	55

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37	Investigation of the physico-mechanical properties of electrospun PVDF/cellulose (nano)fibers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	55
38	Physical properties of blends of LLDPE and an oxidized paraffin wax. <i>Polymer</i> , 2001, 42, 7285-7289.	1.8	54
39	Tensile Stress Relaxation Studies of TiO <sub>2</sub> and Nanosilica Filled Natural Rubber Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 3410-3416.	1.8	54
40	Silver nanoparticles encapsulated in glycogen biopolymer: Morphology, optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , 2011, 83, 883-890.	5.1	54
41	Thermal properties of isotactic polypropylene degraded with gamma irradiation. <i>Polymer Degradation and Stability</i> , 2001, 72, 505-508.	2.7	53
42	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> , 2015, 132, .	1.3	53
43	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> , 2012, 43, 703-710.	3.8	52
44	Morphology, thermal, and dynamic mechanical properties of poly(lactic acid)/sisal whisker nanocomposites. <i>Polymer Composites</i> , 2012, 33, 1025-1032.	2.3	52
45	Thermal and mechanical properties of extruded LLDPE/wax blends. <i>Polymer Degradation and Stability</i> , 2001, 73, 157-161.	2.7	51
46	Comparison of the influence of copper micro- and nano-particles on the mechanical properties of polyethylene/copper composites. <i>Journal of Materials Science</i> , 2010, 45, 82-88.	1.7	50
47	The effect of cross-linking on the thermal properties of LDPE/wax blends. <i>Thermochimica Acta</i> , 2001, 380, 47-54.	1.2	48
48	Ferroelectric nanocomposites of polyvinylidene fluoride/polymethyl methacrylate blend and BaTiO <sub>3</sub> particles: Fabrication of $\beta$ -crystal polymorph rich matrix through mechanical activation of the filler. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	48
49	Thermal behaviour of low and high molecular weight paraffin waxes used for designing phase change materials. <i>Thermochimica Acta</i> , 2008, 467, 117-120.	1.2	47
50	Morphology, mechanical properties and thermal degradation kinetics of PMMA-zirconia nanocomposites prepared by melt compounding. <i>EXPRESS Polymer Letters</i> , 2012, 6, 871-881.	1.1	47
51	Adhesion strength study between plasma treated polyester fibres and a rubber matrix. <i>Applied Surface Science</i> , 2005, 240, 268-274.	3.1	46
52	Effect of different modified clays on the thermal and physical properties of polypropylene-montmorillonite nanocomposites. <i>Materials Letters</i> , 2006, 60, 2877-2880.	1.3	46
53	Thermal fractionation and properties of different polyethylene/wax blends. <i>Journal of Applied Polymer Science</i> , 2007, 104, 2225-2236.	1.3	46
54	Morphology and thermal degradation studies of melt-mixed poly(hydroxybutyrate-co-valerate) (PHBV)/poly( $\mu$ -caprolactone) (PCL) biodegradable polymer blend nanocomposites with TiO <sub>2</sub> as filler. <i>Journal of Materials Science</i> , 2015, 50, 3812-3824.	1.7	46

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55	Thermal and mechanical properties of PP/HDPE/wood powder and MAPP/HDPE/wood powder polymer blend composites. <i>Thermochimica Acta</i> , 2017, 654, 40-50.	1.2	45
56	The effect of silica nanoparticles on the morphology, mechanical properties and thermal degradation kinetics of polycarbonate. <i>Composites Science and Technology</i> , 2012, 73, 34-39.	3.8	44
57	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> , 2014, 33, 97-106.	2.3	44
58	Effect of oxidized paraffin wax on the thermal and mechanical properties of linear low-density polyethylene-layered silicate nanocomposites. <i>Polymer Testing</i> , 2007, 26, 461-470.	2.3	41
59	Structure and Mechanical Properties of Polycarbonate Modified Clay Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1880-1885.	0.9	41
60	Phase change materials formed by uv curable epoxy matrix and Fischer-Tropsch paraffin wax. <i>Energy Conversion and Management</i> , 2009, 50, 57-61.	4.4	41
61	Glycogen and gold nanoparticle bioconjugates: controlled plasmon resonance via glycogen-induced nanoparticle aggregation. <i>RSC Advances</i> , 2013, 3, 8705.	1.7	41
62	Effect of alkali treatment on the flexural properties of Hildegardia fabric composites. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1297-1302.	1.3	40
63	Thermal and dynamic mechanical properties of bio-based poly(furfuryl alcohol)/sisal whiskers nanocomposites. <i>Polymer Bulletin</i> , 2013, 70, 1265-1276.	1.7	40
64	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. <i>Chemical Engineering Journal</i> , 2014, 253, 341-349.	6.6	40
65	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> , 2011, 5, 635-642.	1.1	38
66	Composites of linear low density polyethylene and short sisal fibres: The effects of peroxide treatment. <i>Journal of Materials Science</i> , 2004, 39, 3403-3412.	1.7	36
67	Composites of low-density polyethylene and short sisal fibres: the effect of wax addition and peroxide treatment on thermal properties. <i>Thermochimica Acta</i> , 2005, 426, 101-107.	1.2	36
68	Nanofibrous alginate membrane coated with cellulose nanowhiskers for water purification. <i>Cellulose</i> , 2018, 25, 417-427.	2.4	36
69	Preparation and characterization of EVA-sisal fiber composites. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1607-1617.	1.3	35
70	Morphology and properties of NR/EPDM rubber blends filled with small amounts of titania nanoparticles. <i>Polymer Composites</i> , 2011, 32, 1289-1296.	2.3	35
71	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> , 2015, 72, 2263-2283.	1.7	35
72	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 742-750.	2.5	35

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73	Characterization of polystyrene filled with HgS nanoparticles. <i>Materials Letters</i> , 2004, 58, 361-364.	1.3	33
74	Investigation of polyethylene/sisal whiskers nanocomposites prepared under different conditions. <i>Polymer Composites</i> , 2014, 35, 2221-2233.	2.3	33
75	Thermal properties of polypropylene/wax blends. <i>Thermochimica Acta</i> , 2001, 372, 137-141.	1.2	31
76	Viscoelastic properties and antimicrobial activity of cellulose fiber sheets impregnated with Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2012, 90, 1139-1146.	5.1	31
77	Effect of organic peroxides on the morphological, thermal and tensile properties of EVA-organoclay nanocomposites. <i>EXPRESS Polymer Letters</i> , 2008, 2, 256-264.	1.1	30
78	Effect of filler content and size on the properties of ethylene vinyl acetate copolymer-wood fiber composites. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3645-3654.	1.3	29
79	Morphology and properties of EVA/empty fruit bunch composites. <i>Journal of Thermoplastic Composite Materials</i> , 2012, 25, 895-914.	2.6	29
80	Comparison of the influence of Cu micro- and nano-particles on the thermal properties of polyethylene/Cu composites. <i>EXPRESS Polymer Letters</i> , 2009, 3, 639-649.	1.1	29
81	Structure and properties of PbS-polyacrylamide nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 835-838.	1.1	28
82	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> , 2007, 104, 3206-3213.	1.3	28
83	Polycarbonate reinforced with silica nanoparticles. <i>Polymer Bulletin</i> , 2011, 66, 991-1004.	1.7	28
84	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> , 2015, 50, 3485-3494.	1.7	28
85	Thermal and mechanical properties of linear low-density polyethylene/low-density polyethylene/wax ternary blends. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1748-1755.	1.3	27
86	Comparison of different waxes as processing agents for low-density polyethylene. <i>Polymer Testing</i> , 2006, 25, 436-442.	2.3	27
87	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> , 2008, 93, 1-8.	2.7	27
88	Influence of the modification, induced by zirconia nanoparticles, on the structure and properties of polycarbonate. <i>European Polymer Journal</i> , 2013, 49, 2022-2030.	2.6	27
89	Study of morphology, mechanical properties, and thermal degradation of polycarbonate-titania nanocomposites as function of titania crystalline phase and content. <i>Polymer Composites</i> , 2013, 34, 164-172.	2.3	26
90	Effect of layered silicates on the thermal stability of PCL/PLA microfibrillar composites. <i>Polymer Testing</i> , 2016, 50, 9-14.	2.3	26

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91	Kinetics of alkoxysilanes hydrolysis: An empirical approach. <i>Scientific Reports</i> , 2019, 9, 17624.	1.6	26
92	Investigation of polyethylene/wax blends by CRYSTAF and SEC-FTIR. <i>Polymer Bulletin</i> , 2004, 52, 177.	1.7	25
93	Accelerated Weathering Effects on Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) and PHBV/TiO <sub>2</sub> Nanocomposites. <i>Polymers</i> , 2020, 12, 1743.	2.0	25
94	Plasticization and cocrystallization in LLDPE/wax blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1469-1482.	2.4	24
95	Morphology, thermal and dynamic mechanical properties of poly(lactic acid)/expandable graphite (PLA/EG) flame retardant composites. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 89-107.	2.6	24
96	Latex derived blends of poly(vinyl acetate) and natural rubber: thermal and mechanical properties. <i>Journal of Materials Science</i> , 2009, 44, 3248-3254.	1.7	23
97	Blends of polyamide 12 and maleic anhydride grafted paraffin wax as potential phase change materials. <i>Polymer Testing</i> , 2010, 29, 100-106.	2.3	23
98	Preparation and characterization of EPDM rubber modified with <i>in situ</i> generated silica. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2525-2532.	1.3	23
99	Preparation and characterisation of vinylsilane crosslinked low-density polyethylene composites filled with nano clays. <i>Polymer Bulletin</i> , 2014, 71, 637-657.	1.7	23
100	Morphology and properties of poly(methyl methacrylate) (PMMA) filled with mesoporous silica (MCM-41) prepared by melt compounding. <i>Journal of Materials Science</i> , 2016, 51, 3957-3970.	1.7	23
101	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , 2019, 2, 141-151.	3.2	23
102	Study of Sago Starch-CdS Nanocomposite Films: Fabrication, Structure, Optical and Thermal Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 986-993.	0.9	22
103	Adhesive properties of polyester treated by cold plasma in oxygen and nitrogen atmospheres. <i>Surface and Coatings Technology</i> , 2013, 235, 407-416.	2.2	22
104	LDPE/wood composites utilizing degraded LDPE as compatibilizer. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 51, 80-88.	3.8	22
105	The influence of wax content on the physical properties of low-density polyethylene-wax blends. <i>Polymer International</i> , 2003, 52, 999-1004.	1.6	21
106	EPDM rubber reinforced with titania generated by nonhydrolytic sol-gel process. <i>Polymer Engineering and Science</i> , 2014, 54, 2544-2552.	1.5	21
107	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> , 2005, 95, 1164-1168.	1.3	20
108	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> , 2008, 286, 683-689.	1.0	20

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109	Structure and properties of phase change materials based on HDPE, soft Fischer-Tropsch paraffin wax, and wood flour. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1541-1551.	1.3	20
110	Polychloroprene nanocomposites filled with different organically modified clays: Morphology, thermal degradation and stress relaxation behaviour. <i>Polymer Testing</i> , 2011, 30, 585-593.	2.3	20
111	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly( $\mu$ -caprolactone) Mixed with a Polycarbonate/MWCNTs Masterbatch. <i>Polymers</i> , 2017, 9, 709.	2.0	20
112	Influence of TiO <sub>2</sub> Nanoparticles on the Crystallization Behaviour and Tensile Properties of Biodegradable PLA and PCL Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2410-2423.	2.4	20
113	Halogen-Free Flame-Retardant Compounds. Thermal Decomposition and Flammability Behavior for Alternative Polyethylene Grades. <i>Polymers</i> , 2019, 11, 1479.	2.0	20
114	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 17-25.	2.3	19
115	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> , 2015, 132, .	1.3	19
116	Effects of Rutile-TiO <sub>2</sub> Nanoparticles on Accelerated Weathering Degradation of Poly(Lactic Acid). <i>Polymers</i> , 2020, 12, 1096.	2.0	19
117	Synthesis, Fourier transform infrared, nuclear magnetic resonance and thermal analysis of sodium and platinum complexes of 6-mercaptopurine. <i>Journal of Molecular Structure</i> , 2001, 559, 49-54.	1.8	18
118	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> , 2010, 527, 761-768.	2.6	18
119	Preparation of a maleated Fischer-Tropsch paraffin wax and FTIR analysis of grafted maleic anhydride. <i>Polymer Testing</i> , 2005, 24, 129-135.	2.3	17
120	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> , 2014, 8, 809-822.	1.1	17
121	Morphology and property changes in PLA/PHBV blends as function of blend composition. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	17
122	Effect of plasma treatment on accelerated PLA degradation. <i>EXPRESS Polymer Letters</i> , 2021, 15, 725-743.	1.1	17
123	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> , 2008, 464, 357-360.	2.8	16
124	Effect of organic peroxides on the morphology and properties of EVA/Cloisite 15A nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009, 112, 218-225.	1.3	16
125	Synthesis and degradation kinetics of a novel polyester containing bithiazole rings. <i>Thermochimica Acta</i> , 2011, 525, 9-15.	1.2	16
126	Kenaf fiber-reinforced copolyester biocomposites. <i>Polymer Composites</i> , 2011, 32, 2001-2009.	2.3	16



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127	Chemical resistance, void contents, and morphological properties of <i>Hildegardia</i> fabric/polycarbonate-toughened epoxy composites. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3945-3951.	1.3	15
128	Investigation of thermally conducting phase-change materials based on polyethylene/wax blends filled with copper particles. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1766-1774.	1.3	15
129	Structure and properties of phase-change materials based on high-density polyethylene, hard Fischer-Tropsch paraffin wax, and wood flour. <i>Polymer Composites</i> , 2011, 32, 1155-1163.	2.3	15
130	Preparation and characterisation of Ce:YAG-polycarbonate composites for white LED. <i>Journal of Alloys and Compounds</i> , 2016, 664, 726-731.	2.8	15
131	Effect of blend ratio and nanofiller localization on the thermal degradation of graphite nanoplatelets-modified PLA/PCL. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2373-2382.	2.0	15
132	High-Performance Carbon Nanotube-Reinforced Bioplastic. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 839-846.	1.7	14
133	Macro-micro relationship in nanostructured functional composites. <i>EXPRESS Polymer Letters</i> , 2012, 6, 410-416.	1.1	14
134	Reduced percolation concentration in polypropylene/expanded graphite composites: Effect of viscosity and polypyrrole. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	14
135	Preparation and characterization of EVA/PLA/sugarcane bagasse composites for water purification. <i>Journal of Composite Materials</i> , 2017, 51, 1169-1186.	1.2	14
136	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly(Butylene Succinate) Mixed with a Polycarbonate/MWCNT Masterbatch. <i>Polymers</i> , 2018, 10, 424.	2.0	14
137	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> , 2009, 404, 4504-4508.	1.3	13
138	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> , 2011, 32, 219-226.	2.3	13
139	Changes in free surface energy as an indicator of polymer blend miscibility. <i>Materials Letters</i> , 2005, 59, 517-519.	1.3	12
140	Morphology and thermal properties of maleic anhydride grafted polypropylene/ethylene-vinyl acetate copolymer/wood powder blend composites. <i>Journal of Applied Polymer Science</i> , 2010, 116, 3193-3201.	1.3	12
141	Luminescence studies of a combustion-synthesized blue-green BaAl <sub>x</sub> O <sub>y</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> nanoparticles. <i>Physica B: Condensed Matter</i> , 2012, 407, 1561-1565.	1.3	12
142	Improvement of interaction in and properties of PMMA-MWNT nanocomposites through microwave assisted acid treatment of MWNT. <i>European Polymer Journal</i> , 2013, 49, 61-69.	2.6	12
143	Influence of <i>in situ</i> -generated silica nanoparticles on EPDM morphology, thermal, thermomechanical, and mechanical properties. <i>Polymer Composites</i> , 2015, 36, 825-833.	2.3	12
144	Effect of halloysite nanotubes on the thermal degradation behaviour of poly( $\mu$ -caprolactone)/poly(lactic acid) microfibrillar composites. <i>Polymer Testing</i> , 2017, 60, 166-172.	2.3	12

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145	PE/wax blends: interesting observations. <i>Macromolecular Symposia</i> , 2002, 178, 109-116.	0.4	11
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