

Jos Mara Kenny

List of Publications by Year in Descending Order

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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.

665
papers

30,307
citations

90
h-index

140
g-index

699
ext. papers

33,784
ext. citations

4.7
avg, IF

7.39
L-index

#	Paper	IF	Citations
665	Polymeric composites and nanocomposites containing lignin 2022 , 293-324		0
664	Lemna minor aqueous extract as a natural ingredient incorporated in poly (vinyl alcohol)-based films for active food packaging systems. <i>Food Packaging and Shelf Life</i> , 2022 , 32, 100822	8.2	1
663	Preparation of toughened poly(lactic acid)-poly(ε-caprolactone)-lignin nanocomposites with good heat- and UV-resistance. <i>Industrial Crops and Products</i> , 2022 , 183, 114965	5.9	1
662	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
661	Development and Characterization of Xanthan Gum and Alginate Based Bioadhesive Film for Pycnogenol Topical Use in Wound Treatment. <i>Pharmaceutics</i> , 2021 , 13,	6.4	6
660	Graphene nanoplatelet, multiwall carbon nanotube, and hybrid multiwall carbon nanotube/graphene nanoplatelet epoxy nanocomposites as strain sensing coatings. <i>Journal of Reinforced Plastics and Composites</i> , 2021 , 40, 632-643	2.9	8
659	The Opportunity of Valorizing Agricultural Waste, Through Its Conversion into Biostimulants, Biofertilizers, and Biopolymers. <i>Sustainability</i> , 2021 , 13, 2710	3.6	16
658	Hydroxytyrosol and Oleuropein-Enriched Extracts Obtained from Olive Oil Wastes and By-Products as Active Antioxidant Ingredients for Poly (Vinyl Alcohol)-Based Films. <i>Molecules</i> , 2021 , 26,	4.8	8
657	Fabrication of water-resistant epoxy nanocomposite with improved dynamic mechanical properties and balanced thermal and dimensional stability: Study on dual role of graphene oxide nanosheets and barium oxide microparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 417, 127105	5.1	4
656	Anthocyanin Hybrid Nanopigments from Pomegranate Waste: Colour, Thermomechanical Stability and Environmental Impact of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2021 , 13,	4.5	4
655	Enhancing the Radical Scavenging Activity and UV Resistance of Lignin Nanoparticles via Surface Mannich Amination toward a Biobased Antioxidant. <i>Biomacromolecules</i> , 2021 , 22, 2693-2701	6.9	20
654	The Initial Stage of Thermoplastic Polyimide Crystallization: Computer Simulations and Experiments. <i>Reviews and Advances in Chemistry</i> , 2021 , 11, 85-99	0	0
653	Migration and Degradation in Composting Environment of Active Polylactic Acid Bilayer Nanocomposites Films: Combined Role of Umbelliferone, Lignin and Cellulose Nanostructures. <i>Polymers</i> , 2021 , 13,	4.5	2
652	Nanocomposites based on ethylene vinyl acetate reinforced with different types of nanoparticles: potential applications 2021 , 357-377		
651	Lignin-based materials with antioxidant and antimicrobial properties 2021 , 291-326		0
650	Lignin Nanoparticles: A Promising Tool to Improve Maize Physiological, Biochemical, and Chemical Traits. <i>Nanomaterials</i> , 2021 , 11,	5.4	11
649	PLA Electrospun Fibers Reinforced with Organic and Inorganic Nanoparticles: A Comparative Study. <i>Molecules</i> , 2021 , 26,	4.8	4

648	Evaluation of the Factors Affecting the Disintegration under a Composting Process of Poly(lactic acid)/Poly(3-hydroxybutyrate) (PLA/PHB) Blends. <i>Polymers</i> , 2021 , 13,	4.5	2
647	Highly-toughened PVA/nanocellulose hydrogels with anti-oxidative and antibacterial properties triggered by lignin-Ag nanoparticles. <i>Materials Science and Engineering C</i> , 2021 , 129, 112385	8.3	11
646	Multifunctional lignin-based nanocomposites and nanohybrids. <i>Green Chemistry</i> , 2021 , 23, 6698-6760	10	25
645	Effect of Chlorophyll Hybrid Nanopigments from Broccoli Waste on Thermomechanical and Colour Behaviour of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	4
644	Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. <i>Antioxidants</i> , 2020 , 9,	7.1	20
643	Biodegradable electrospun PLA-PHB fibers plasticized with oligomeric lactic acid. <i>Polymer Degradation and Stability</i> , 2020 , 179, 109226	4.7	21
642	Effect of SWCNT Content and Water Vapor Adsorption on the Electrical Properties of Cellulose Nanocrystal-Based Nanohybrids. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14901-14910	3.8	5
641	Thermomechanical, antioxidant and moisture behaviour of PVA films in presence of citric acid esterified cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 617-626	7.9	15
640	Organic and Inorganic PCL-Based Electrospun Fibers. <i>Polymers</i> , 2020 , 12,	4.5	10
639	Effect of Cellulose Nanocrystals and Lignin Nanoparticles on Mechanical, Antioxidant and Water Vapour Barrier Properties of Glutaraldehyde Crosslinked PVA Films. <i>Polymers</i> , 2020 , 12,	4.5	36
638	Cellulose nanocrystal based multifunctional nanohybrids. <i>Progress in Materials Science</i> , 2020 , 112, 100668	12.2	58
637	Effect of Lemon Waste Natural Dye and Essential Oil Loaded into Laminar Nanoclays on Thermomechanical and Color Properties of Polyester Based Bionanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	9
636	Characterization of Licorice Root Waste for Prospective Use as Filler in more Eco-Friendly Composite Materials. <i>Processes</i> , 2020 , 8, 733	2.9	5
635	PBS-Based Green Copolymer as an Efficient Compatibilizer in Thermoplastic Inedible Wheat Flour/Poly(butylene succinate) Blends. <i>Biomacromolecules</i> , 2020 , 21, 3254-3269	6.9	12
634	Improved Toughness in Lignin/Natural Fiber Composites Plasticized with Epoxidized and Maleinized Linseed Oils. <i>Materials</i> , 2020 , 13,	3.5	6
633	Thermomechanical and Morphological Properties of Poly(ethylene terephthalate)/Anhydrous Calcium Terephthalate Nanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	6
632	UV Protective, Antioxidant, Antibacterial and Compostable Polylactic Acid Composites Containing Pristine and Chemically Modified Lignin Nanoparticles. <i>Molecules</i> , 2020 , 26,	4.8	15
631	Effect of Pretreatment of Nanocomposite PES-Fe3O4 Separator on Microbial Fuel Cells Performance. <i>Polymer Engineering and Science</i> , 2020 , 60, 371-379	2.3	5

630	Poly(lactic acid)/lignin films with enhanced toughness and anti-oxidation performance for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 102-110	7.9	56
629	Biocomposites Based on Plasticized Wheat Flours: Effect of Bran Content on Thermomechanical Behavior. <i>Polymers</i> , 2020 , 12,	4.5	2
628	Synergic Effect of Nanolignin and Metal Oxide Nanoparticles into Poly(l-lactide) Bionanocomposites: Material Properties, Antioxidant Activity, and Antibacterial Performance.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5263-5274	4.1	27
627	Novel Nanocomposite PLA Films with Lignin/Zinc Oxide Hybrids: Design, Characterization, Interaction with Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
626	Hydrophobic, UV resistant and dielectric polyurethane-nanolignin composites with good reprocessability. <i>Materials and Design</i> , 2020 , 196, 109150	8.1	18
625	Polymeric Bioadhesive Patch Based on Ketoprofen-Hydrocortisone Hybrid for Local Treatments. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
624	Drying and redispersion of plant cellulose nanofibers for industrial applications: a review. <i>Cellulose</i> , 2020 , 27, 10649-10670	5.5	12
623	Electrospinning of PCL-Based Blends: Processing Optimization for Their Scalable Production. <i>Materials</i> , 2020 , 13,	3.5	12
622	Antioxidant Packaging Films Based on Ethylene Vinyl Alcohol Copolymer (EVOH) and Caffeic Acid. <i>Molecules</i> , 2020 , 25,	4.8	10
621	Conclusive editorial on non-destructive techniques for cultural heritage. <i>Rendiconti Lincei</i> , 2020 , 31, 819-820	1.7	3
620	Controlled Release, Disintegration, Antioxidant, and Antimicrobial Properties of Poly (Lactic Acid)/Thymol/Nanoclay Composites. <i>Polymers</i> , 2020 , 12,	4.5	13
619	Effect of Almond Shell Waste on Physicochemical Properties of Polyester-Based Biocomposites. <i>Polymers</i> , 2020 , 12,	4.5	12
618	Bio-Polyethylene-Based Composites Reinforced with Alkali and Palmitoyl Chloride-Treated Coffee Silverskin. <i>Molecules</i> , 2019 , 24,	4.8	19
617	Extraction of nanostructured starch from purified granules of waxy and non-waxy barley cultivars. <i>Industrial Crops and Products</i> , 2019 , 130, 520-527	5.9	7
616	Thermal, antioxidant and swelling behaviour of transparent polyvinyl (alcohol) films in presence of hydrophobic citric acid-modified lignin nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 665-676	7.9	55
615	Lignocellulosic materials as reinforcements in sustainable packaging systems 2019 , 87-102		5
614	Active Role of ZnO Nanorods in Thermomechanical and Barrier Performance of Poly(vinyl alcohol-ethylene) Formulations for Flexible Packaging. <i>Polymers</i> , 2019 , 11,	4.5	7
613	Thermal and mechanical behavior of thermoplastic composites reinforced with fibers enzymatically extracted from <i>Ampelodesmos mauritanicus</i> . <i>Polymer Engineering and Science</i> , 2019 , 59, 2418-2428	2.3	5

612	Design and Characterization of PLA Bilayer Films Containing Lignin and Cellulose Nanostructures in Combination With Umbelliferone as Active Ingredient. <i>Frontiers in Chemistry</i> , 2019 , 7, 157	5	28
611	Protocol for nonisothermal cure analysis of thermoset composites. <i>Progress in Organic Coatings</i> , 2019 , 131, 333-339	4.8	71
610	Bio- and Fossil-Based Polymeric Blends and Nanocomposites for Packaging: Structure?Property Relationship. <i>Materials</i> , 2019 , 12,	3.5	67
609	Combined effect of cellulose nanocrystals, carvacrol and oligomeric lactic acid in PLA_PHB polymeric films. <i>Carbohydrate Polymers</i> , 2019 , 223, 115131	10.3	21
608	Acoustic impact of a wave energy converter in Mediterranean shallow waters. <i>Scientific Reports</i> , 2019 , 9, 9586	4.9	10
607	Biomimetic multifunctional materials: a review. <i>Emergent Materials</i> , 2019 , 2, 391-415	3.5	11
606	Toward Predictive Molecular Dynamics Simulations of Asphaltenes in Toluene and Heptane. <i>ACS Omega</i> , 2019 , 4, 20005-20014	3.9	11
605	Multifunctional and Environmentally Friendly TiO-SiO Mesoporous Materials for Sustainable Green Buildings. <i>Molecules</i> , 2019 , 24,	4.8	6
604	A Novel Class of Cost Effective and High Performance Composites Based on Terephthalate Salts Reinforced Polyether Ether Ketone. <i>Polymers</i> , 2019 , 11,	4.5	5
603	Gallic Acid and Quercetin as Intelligent and Active Ingredients in Poly(vinyl alcohol) Films for Food Packaging. <i>Polymers</i> , 2019 , 11,	4.5	32
602	Reactive compatibilization of plant polysaccharides and biobased polymers: Review on current strategies, expectations and reality. <i>Carbohydrate Polymers</i> , 2019 , 209, 20-37	10.3	48
601	Melt-processing of bionanocomposites based on ethylene-co-vinyl acetate and starch nanocrystals. <i>Carbohydrate Polymers</i> , 2019 , 208, 382-390	10.3	11
600	Valorization and extraction of cellulose nanocrystals from North African grass: <i>Ampelodesmos mauritanicus</i> (Diss). <i>Carbohydrate Polymers</i> , 2019 , 209, 328-337	10.3	45
599	Preparation and properties of adhesives based on phenolic resin containing lignin micro and nanoparticles: A comparative study. <i>Materials and Design</i> , 2019 , 161, 55-63	8.1	44
598	Thermal and composting degradation of EVA/Thermoplastic starch blends and their nanocomposites. <i>Polymer Degradation and Stability</i> , 2019 , 159, 184-198	4.7	30
597	Effect of nanohydroxyapatite, antibiotic, and mucosal defensive agent on the mechanical and thermal properties of glass ionomer cements for special needs patients. <i>Journal of Materials Research</i> , 2018 , 33, 638-649	2.5	17
596	Thermally-activated shape memory effect on biodegradable nanocomposites based on PLA/PCL blend reinforced with hydroxyapatite. <i>Polymer Degradation and Stability</i> , 2018 , 151, 36-51	4.7	45
595	Recycling coffee silverskin in sustainable composites based on a poly(butylene adipate-co-terephthalate)/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) matrix. <i>Industrial Crops and Products</i> , 2018 , 118, 311-320	5.9	34

594	Effect of the addition of polyester-grafted-cellulose nanocrystals on the shape memory properties of biodegradable PLA/PCL nanocomposites. <i>Polymer Degradation and Stability</i> , 2018 , 152, 126-138	4.7	53
593	Role of lignin nanoparticles in UV resistance, thermal and mechanical performance of PMMA nanocomposites prepared by a combined free-radical graft polymerization/masterbatch procedure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 61-69	8.4	57
592	Valorization of Acid Isolated High Yield Lignin Nanoparticles as Innovative Antioxidant/Antimicrobial Organic Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3502-3514	8.3	125
591	Effect of nano-magnetite particle content on mechanical, thermal and magnetic properties of polypropylene composites. <i>Polymer Composites</i> , 2018 , 39, E1742-E1750	3	8
590	Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system. <i>Carbohydrate Polymers</i> , 2018 , 193, 239-248	10.3	46
589	Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. <i>Carbohydrate Polymers</i> , 2018 , 181, 275-284	10.3	156
588	Physicochemical properties of nanosized polymeric drug carrier systems 2018 , 7-17		
587	Stimuli-responsive core-shell nanoparticles 2018 , 245-258		1
586	Nanocomposites Based on Biodegradable Polymers. <i>Materials</i> , 2018 , 11,	3.5	60
585	Citric Acid as Green Modifier for Tuned Hydrophilicity of Surface Modified Cellulose and Lignin Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9966-9978	8.3	50
584	Bio-Based Nanocomposites in Food Packaging 2018 , 71-110		10
583	Lignocellulosic Based Bionanocomposites for Different Industrial Applications. <i>Current Organic Chemistry</i> , 2018 , 22, 1205-1221	1.7	8
582	Cure kinetics of epoxy/chicken eggshell biowaste composites: Isothermal calorimetric and chemorheological analyses. <i>Progress in Organic Coatings</i> , 2018 , 114, 208-215	4.8	44
581	Synthesis and Characterization of Nanofluids Useful in Concentrated Solar Power Plants Produced by New Mixing Methodologies for Large-Scale Production. <i>Journal of Heat Transfer</i> , 2018 , 140,	1.8	4
580	Life Cycle Analysis of Extruded Films Based on Poly(lactic acid)/Cellulose Nanocrystal/Limonene: A Comparative Study with ATBC Plasticized PLA/OMMT Systems. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 1891-1902	4.5	7
579	Effect of Different Compatibilizers on Sustainable Composites Based on a PHBV/PBAT Matrix Filled with Coffee Silverskin. <i>Polymers</i> , 2018 , 10,	4.5	18
578	Computer Simulation of Asphaltenes. <i>Petroleum Chemistry</i> , 2018 , 58, 983-1004	1.1	8
577	Structure-property relationships of thermoset nanocomposites 2018 , 231-276		4

576	Thermoset Nanocomposites as ablative materials for rocket and military applications 2018 , 477-509		2
575	The role of clay modifier on cure characteristics and properties of epoxy/clay/carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) hybrid. <i>Materials Technology</i> , 2017 , 32, 171-177	2.1	11
574	Analysis and simulation of the electrical properties of CNTs/epoxy nanocomposites for high performance composite matrices. <i>Polymer Composites</i> , 2017 , 38, 105-115	3	9
573	Effect of boron carbide nanoparticles on the thermal stability of carbon/phenolic composites. <i>Polymer Composites</i> , 2017 , 38, 1819-1827	3	13
572	Biodegradable polycaprolactone-based composites reinforced with ramie and borassus fibres. <i>Composite Structures</i> , 2017 , 167, 20-29	5.3	31
571	Functional Properties of Plasticized Bio-Based Poly(Lactic Acid)_Poly(Hydroxybutyrate) (PLA_PHB) Films for Active Food Packaging. <i>Food and Bioprocess Technology</i> , 2017 , 10, 770-780	5.1	52
570	Biowaste chicken eggshell powder as a potential cure modifier for epoxy/anhydride systems: competitiveness with terpolymer-modified calcium carbonate at low loading levels. <i>RSC Advances</i> , 2017 , 7, 2218-2230	3.7	50
569	Reinforcement effect of cellulose nanocrystals in thermoplastic polyurethane matrices characterized by different soft/hard segment ratio. <i>Polymer Engineering and Science</i> , 2017 , 57, 521-530	2.3	13
568	Processing and characterization of nanocomposite based on poly(butylene/triethylene succinate) copolymers and cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2017 , 165, 51-60	10.3	25
567	Relationships between wheat flour baking properties and tensile characteristics of derived thermoplastic films. <i>Industrial Crops and Products</i> , 2017 , 100, 138-145	5.9	7
566	To What Extent Can Hyperelastic Models Make Sense the Effect of Clay Surface Treatment on the Mechanical Properties of Elastomeric Nanocomposites?. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700036	3.9	12
565	Heat capacity of nanofluids for solar energy storage produced by dispersing oxide nanoparticles in nitrate salt mixture directly at high temperature. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 167, 60-69	6.4	78
564	Cure kinetics of epoxy/MWCNTs nanocomposites: Isothermal calorimetric and rheological analyses. <i>Progress in Organic Coatings</i> , 2017 , 108, 75-83	4.8	51
563	Multiscale modeling of electrical conductivity of carbon nanotubes based polymer nanocomposites. <i>Journal of Applied Physics</i> , 2017 , 121, 225102	2.5	4
562	Effect of polymer chain stiffness on initial stages of crystallization of polyetherimides: Coarse-grained computer simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1254-1265	2.6	6
561	Nanofluids with Enhanced Heat Transfer Properties for Thermal Energy Storage 2017 , 295-359		2
560	Microstructure and ablation behavior of an affordable and reliable nanostructured Phenolic Impregnated Carbon Ablator (PICA). <i>Polymer Degradation and Stability</i> , 2017 , 141, 84-96	4.7	26
559	Elastomer/thermoplastic modified epoxy nanocomposites: The hybrid effect of micro and nano scale. <i>Materials Science and Engineering Reports</i> , 2017 , 116, 1-29	30.9	68

558	Nanomaterials in Plant Protection 2017 , 113-134		10
557	Effect of fibre posts, bone losses and fibre content on the biomechanical behaviour of endodontically treated teeth: 3D-finite element analysis. <i>Materials Science and Engineering C</i> , 2017 , 74, 334-346	8.3	25
556	Cellulose nanocrystals as templates for cetyltrimethylammonium bromide mediated synthesis of Ag nanoparticles and their novel use in PLA films. <i>Carbohydrate Polymers</i> , 2017 , 157, 1557-1567	10.3	33
555	Effect of Cellulose Nanocrystals on Fire, Thermal and Mechanical Behavior of N,N'-Diallyl-phenylphosphoricdiamide Modified Poly(lactic acid). <i>Journal of Renewable Materials</i> , 2017 , 5, 423-434	2.4	5
554	Multifunctional nanostructured biopolymeric materials for therapeutic applications 2017 , 107-135		1
553	Hydroxytyrosol as Active Ingredient in Poly(vinyl alcohol) Films for Food Packaging Applications. <i>Journal of Renewable Materials</i> , 2017 , 5, 81-95	2.4	14
552	8 Injection moulding of plant fibre composites 2017 , 420-439		2
551	Recent Advances in Conductive Composites Based on Biodegradable Polymers for Regenerative Medicine Applications 2017 , 519-542		
550	Melt processing and mechanical property characterization of high-performance poly(ether ether ketone)/carbon nanotube composite. <i>Polymer International</i> , 2017 , 66, 1731-1736	3.3	19
549	Design of a nanocomposite substrate inducing adult stem cell assembly and progression toward an Epiblast-like or Primitive Endoderm-like phenotype via mechanotransduction. <i>Biomaterials</i> , 2017 , 144, 211-229	15.6	18
548	Non-covalently coated biopolymeric nanoparticles for improved tamoxifen delivery. <i>European Polymer Journal</i> , 2017 , 95, 348-357	5.2	17
547	Humidity-Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700388	2.6	16
546	Simple citric acid-catalyzed surface esterification of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2017 , 157, 1358-1364	10.3	63
545	Manufacturing of Natural Fiber/Agrowaste Based Polymer Composites. <i>Green Energy and Technology</i> , 2017 , 125-147	0.6	5
544	Effect of reactive functionalization on properties and degradability of poly(lactic acid)/poly(vinyl acetate) nanocomposites with cellulose nanocrystals. <i>Reactive and Functional Polymers</i> , 2017 , 110, 1-9	4.6	32
543	Nanofillers in Polymers 2017 , 47-86		9
542	Influence of specific intermolecular interactions on the thermal and dielectric properties of bulk polymers: atomistic molecular dynamics simulations of Nylon 6. <i>Soft Matter</i> , 2017 , 13, 474-485	3.6	18
541	Processing Conditions, Thermal and Mechanical Responses of Stretchable Poly (Lactic Acid)/Poly (Butylene Succinate) Films. <i>Materials</i> , 2017 , 10,	3.5	35

540	Atomistic Molecular Dynamics Simulations of the Initial Crystallization Stage in an SWCNT-Polyetherimide Nanocomposite. <i>Polymers</i> , 2017 , 9,	4.5	13
539	Effect of Cellulose Nanocrystals and Bacterial Cellulose on Disintegrability in Composting Conditions of Plasticized PHB Nanocomposites. <i>Polymers</i> , 2017 , 9,	4.5	26
538	Multifunctional antimicrobial nanocomposites for food packaging applications 2017 , 265-303		7
537	An overview of nanoparticles role in the improvement of barrier properties of bioplastics for food packaging applications 2017 , 391-424		20
536	Effective Postharvest Preservation of Kiwifruit and Romaine Lettuce with a Chitosan Hydrochloride Coating. <i>Coatings</i> , 2017 , 7, 196	2.9	21
535	Cure Kinetics of Epoxy/Rubber Polymer Blends 2017 , 211-237		1
534	Skin Tissue Engineering 2017 , 1408-1423		
533	Solvent Uptake of Liquid Rubber Toughened Epoxy/Clay Nanocomposites. <i>Advances in Polymer Technology</i> , 2016 , 35,	1.9	6
532	Correlation between the High-Temperature Local Mobility of Heterocyclic Polyimides and Their Mechanical Properties. <i>Macromolecules</i> , 2016 , 49, 6700-6710	5.5	23
531	Relationship between morphology and electrical properties in PP/MWCNT composites: Processing-induced anisotropic percolation threshold. <i>Materials Chemistry and Physics</i> , 2016 , 180, 284-290	4.4	24
530	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19197-201	9.5	31
529	Multiscale computer simulation of polymer nanocomposites based on thermoplastics. <i>Polymer Science - Series C</i> , 2016 , 58, 2-15	1.1	13
528	Electrospun Fibers Based on Biopolymers 2016 , 385-438		2
527	Effect of poly(dl-lactide-co-glycolide) nanoparticles or cellulose nanocrystals-based formulations on <i>Pseudomonas syringae</i> pv. tomato (Pst) and tomato plant development. <i>Journal of Plant Diseases and Protection</i> , 2016 , 123, 301-310	1.5	22
526	In-vitro degradation of PLGA nanoparticles in aqueous medium and in stem cell cultures by monitoring the cargo fluorescence spectrum. <i>Polymer Degradation and Stability</i> , 2016 , 134, 296-304	4.7	19
525	Effect of Wollastonite on the ablation resistance of EPDM based elastomeric heat shielding materials for solid rocket motors. <i>Polymer Degradation and Stability</i> , 2016 , 130, 47-57	4.7	35
524	CTAB modified dellite: A novel support for enzyme immobilization in bio-based electrochemical detection and its in vitro antimicrobial activity. <i>Sensors and Actuators B: Chemical</i> , 2016 , 235, 46-55	8.5	9
523	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. <i>Carbohydrate Polymers</i> , 2016 , 149, 357-68	10.3	73

522	Development and characterization of bionanocomposites based on poly(3-hydroxybutyrate) and cellulose nanocrystals for packaging applications. <i>Polymer International</i> , 2016 , 65, 1046-1053	3.3	38
521	PLLA-grafted cellulose nanocrystals: Role of the CNC content and grafting on the PLA bionanocomposite film properties. <i>Carbohydrate Polymers</i> , 2016 , 142, 105-13	10.3	128
520	Tensile Behavior of Thermoplastic Films from Wheat Flours as Function of Raw Material Baking Properties. <i>Journal of Polymers and the Environment</i> , 2016 , 24, 37-47	4.5	11
519	Molecular dynamics simulations of uniaxial deformation of thermoplastic polyimides. <i>Soft Matter</i> , 2016 , 12, 3972-81	3.6	43
518	Effect of chitosan and catechin addition on the structural, thermal, mechanical and disintegration properties of plasticized electrospun PLA-PHB biocomposites. <i>Polymer Degradation and Stability</i> , 2016 , 132, 145-156	4.7	68
517	Production and characterization of PLA_PBS biodegradable blends reinforced with cellulose nanocrystals extracted from hemp fibres. <i>Industrial Crops and Products</i> , 2016 , 93, 276-289	5.9	146
516	Processing of edible films based on nanoreinforced gelatinized starch. <i>Polymer Degradation and Stability</i> , 2016 , 132, 157-168	4.7	65
515	Mechanical Properties of a Polymer at the Interface Structurally Ordered by Graphene. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6771-6777	3.8	24
514	Characterization and enzymatic degradation study of poly(ϵ -caprolactone)-based biocomposites from almond agricultural by-products. <i>Polymer Degradation and Stability</i> , 2016 , 132, 181-190	4.7	22
513	Biodegradable electrospun bionanocomposite fibers based on plasticized PLA/PHB blends reinforced with cellulose nanocrystals. <i>Industrial Crops and Products</i> , 2016 , 93, 290-301	5.9	89
512	Poly(lactic acid) melt-spun fibers reinforced with functionalized cellulose nanocrystals. <i>RSC Advances</i> , 2016 , 6, 9221-9231	3.7	51
511	Synergistic Effect of Halloysite and Cellulose Nanocrystals on the Functional Properties of PVA Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 794-800	8.3	81
510	Investigations on scalable fabrication procedures for self-sensing carbon nanotube cement-matrix composites for SHM applications. <i>Cement and Concrete Composites</i> , 2016 , 65, 200-213	8.6	183
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