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Polyethylene characterization by FTIR

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536	Degradation profile of polyethylene after artificial accelerated weathering. 2003 , 79, 385-397		263
535	The effect of accelerated aging on the surface mechanical properties of polyethylene. 2003 , 81, 367-373		73
534	.		1
533	Attenuated total reflection infrared spectroscopy for micro-domain analysis of polyethylene samples after accelerated ageing within weathering chambers. 2004 , 34, 63-72		51
532	TGA/FTIR study of the catalytic pyrolysis of ethylene-vinyl acetate copolymers in the presence of MCM-41. 2005 , 89, 145-152		30
531	TG/FTIR study of the thermal pyrolysis of EVA copolymers. 2005 , 74, 224-230		62
530	Photo- and Bio-Degradation Processes in Polyethylene, Cellulose and their Blends Studied by ATR-FTIR and Raman Spectroscopies. 2005 , 40, 4189-4198		57
529	Recycling of Edible Oil Pouches: Composition and Thermal Stability. 2005 , 21, 117-137		2
528	The Effect of Polymer Properties on the Mechanical Behavior and Morphological Characteristics of Cast Polyethylene Film for Stretch and Cling Film Applications. 2005 , 21, 39-54		8
527	Physical and mechanical behavior of hot rolled HDPE/HA composites. 2006 , 41, 3369-3376		25
526	Composite of low-density polyethylene and aluminum obtained from the recycling of postconsumer aseptic packaging. 2006 , 101, 3183-3191		50
525	ATR-FTIR and Nanoindentation Measurements of PMDA-ODA Polyimide Film under Different Curing Temperature. 2007 , 48, 1554-1557		14
524	Essential Work of Fracture of photo-oxidized LDPE/EVA Films. 2007 , 247, 271-281		11
523	Compression-molded, lubricant-treated UHMWPE composites. 2007 , 104, 1762-1768		10
522	Characterization and microstructure study of low-density polyethylene by Fourier transform infrared spectroscopy and temperature rising elution fractionation. 2008 , 109, 3492-3501		12

521	The Characteristics of Polyethylene Film for Stretch and Cling Film Applications. 2008 , 12, 5-20		3
520	Measurement of radiative thermal properties of thin polymer films by FTIR. <i>Polymer Testing</i> , 2008 , 27, 122-128	4-5	15
519	Effect of fiber content and type, compatibilizer, and heating rate on thermogravimetric properties of natural fiber high density polyethylene composites. 2009 , 30, 1226-1233		27
518	The effect of time and aging temperature on structural and mechanical properties of pipeline coating. 2009 , 30, 2006-2010		45
517	A Study on Melt Grafting of N-Halamine Moieties onto Polyethylene and Their Antibacterial Activities. 2009 , 42, 1948-1954		36
516	Effect of hydroxide and carbonate alkaline media on anion exchange membranes. 2010 , 195, 7176-7180		88
515	Polymers from fatty acids: poly(Ehydroxyl tetradecanoic acid) synthesis and physico-mechanical studies. 2011 , 12, 3291-8		96
514	Friction, wear, and tensile properties of vacuum hot pressing crosslinked UHMWPE/nano-HAP composites. 2011 , 98, 127-38		15
513	Manipulating interactions between functional colloidal particles and polyethylene surfaces using interfacial engineering. 2011 , 360, 31-8		26
512	Effects of Beta Irradiation, Copolymers, and Blends on the Transformation Rate of Polybutene-1. 2012 , 51, 926-945		6
511	Nanocomposites of high-density polyethylene with amorphous calcium phosphate: in vitro biomineralization and cytocompatibility of human mesenchymal stem cells. 2012 , 7, 054103		7
510	Low temperature silicon oxide deposition on polymer powders in a fluidized bed coupled to a cold remote plasma. 2012 , 206, 4814-4821		6
509	Polymers from Fatty Acids: Poly(Ehydroxyl tetradecanoic acid) Synthesis and Physico-Mechanical Studies. 2012 , 131-150		3
508	A novel FTIR-ATR spectroscopy based technique for the estimation of low-density polyethylene biodegradation. <i>Polymer Testing</i> , 2012 , 31, 1094-1099	4-5	91
507	Characterization of antioxidant low density polyethylene/polyaniline blends prepared via extrusion. 2012 , 135, 903-911		20
506	Effect of zeolite 5A on compatibility and properties of linear low-density polyethylene/thermoplastic starch blend. 2012 , 126, E252-E259		19
505	Pre-irradiation induced emulsion graft polymerization of acrylonitrile onto polyethylene nonwoven fabric. 2012 , 81, 93-96		15
504	Vacuum-processed polyethylene as a dielectric for low operating voltage organic field effect transistors. 2012 , 13, 919-924		53

503	The influence of irradiation dose on mechanical properties and wear resistance of molded and extruded ultra high molecular weight polyethylene. 2012 , 9, 73-82	16
502	Structural, morphological and mechanical characteristics of polyethylene, poly(lactic acid) and poly(ethylene-co-glycidyl methacrylate) blends. 2013 , 22, 245-257	29
501	A Comparative Study of Modified and Unmodified High-Density Polyethylene/Borassus Fiber Composites. 2013 , 18, 439-450	29
500	On the structural and physicochemical properties of gamma irradiated UHMWPE/silane hybrid. 2013 , 143, 425-433	28
499	Poly(ethylene oxide)-co-poly(propylene oxide)-based gel electrolyte with high ionic conductivity and mechanical integrity for lithium-ion batteries. 2013 , 5, 8477-85	118
498	Application of vibrational spectroscopy techniques for material identification from fire debris. 2013 , 68, 225-235	15
497	The effect of matrix polarity on the properties of poly(o-methoxyaniline)/EVA blends. 2013 , 141, 180-188	2
496	Study on biotribological properties of UHMWPE grafted with MPDSAH. 2013 , 33, 1339-43	9
495	Preparation of active antibacterial LDPE surface through multistep physicochemical approach II: graft type effect on antibacterial properties. 2013 , 102, 842-8	20
494	On the dielectric response of silica-based polyethylene nanocomposites. 2013 , 46, 095303	62
493	Compatibilization of HDPE/agar biocomposites with eutectic-based ionic liquid containing surfactant. 2014 , 33, 440-453	17
492	Improving the bonding between henequen fibers and high density polyethylene using atmospheric pressure ethylene-plasma treatments. 2014 , 8, 491-504	14
491	Effects of a modified interface by silver nanoparticles/SiOC:H barrier layer against space charge injection under HVDC. 2014 ,	2
490	Thermal and Tensile Behavior of HD-PE Films Containing Iron (III) Acetylacetonate after UV Irradiation. 2014 , 29, 588-593	
489	Compatibility of High-Density Polyethylene Grades with Biofuels. 2014 , 27, 231-240	6
488	Pre-irradiation induced emulsion co-graft polymerization of acrylonitrile and acrylic acid onto a polyethylene nonwoven fabric. 2014 , 94, 129-132	12
487	The mechanical properties of the ultra high molecular weight polyethylene grafted with 3-dimethyl (3-(N-methacryamido) propyl) ammonium propane sulfonate. 2014 , 35, 18-26	5
486	Gel electrolytes based on an ether-abundant polymeric framework for high-rate and long-cycle-life lithium ion batteries. 2014 , 2, 10492-10501	33

485	Enhanced autonomic shutdown of Li-ion batteries by polydopamine coated polyethylene microspheres. 2014 , 269, 735-739	27
484	Microstructure characterization of short-chain branching polyethylene with differential scanning calorimetry and successive selfnucleation/annealing thermal fractionation. 2014 , 32, 751-757	7
483	Influence of high doses irradiation on oxygen permeability of linear low-density polyethylene and cast polypropylene films. 2014 , 97, 304-312	23
482	Continuous supercritical decrosslinking extrusion process for recycling of crosslinked polyethylene waste. 2015 , 132, n/a-n/a	11
481	New type of thermoplastic bio composite: nature of the interface on the ultimate properties and water absorption. 2015 , 5, 97536-97546	20
480	Fabrication and properties of UHMWPE grafted with acrylamide polymer brushes. 2015 , 22, 1	16
479	Influence of Halloysite nanotubes in low-density polyethylene on electric polarization. 2015 ,	
478	Dielectric, optical and thermal properties of LDPE/ZnO hybrid film. 2015 , 30, 37-42	3
477	Dependence of the photodegradation rate on the crystalline portion of PE films obtained through in situ polymerization in the presence of TiO ₂ nanospheres, nanoribbons and microspheres. 2015 , 112, 78-85	11
476	Effects of the paraffin wax (PW) content on the thermal and permeation properties of the LDPE/PW composite films. 2015 , 22, 1	20
475	Ultrathin, biomimetic, superhydrophilic layers of cross-linked poly(phosphobetaine) on polyethylene by photografting. 2015 , 31, 1120-6	4
474	Study of cathodic protection shielding under coating disbondment on pipelines. 2015 , 99, 249-257	26
473	Molecular chain heterogeneity of a branched polyethylene resin using cross-fractionation techniques. 2015 , 22, 1	6
472	Influence of functionalized MgO nanoparticles on electrical properties of polyethylene nanocomposites. 2015 , 22, 1512-1519	71
471	Comparison of chain structures between high-speed extrusion coating polyethylene resins by preparative temperature rising elution fractionation and cross-fractionation. 2015 , 33, 1586-1597	5
470	A Highly Thermostable Ceramic-Grafted Microporous Polyethylene Separator for Safer Lithium-Ion Batteries. 2015 , 7, 24119-26	91
469	Capillary penetration in cellulose and polyethylene porous media: effect of contact with vapours and partial saturation with a non-miscible liquid. 2015 , 483, 297-306	6
468	Microstructure and Mechanical Properties of the Butt Joint in High Density Polyethylene Pipe. 2016 , 2016, 1-13	2

467	Effect of Metal Acetylacetonates on the Photooxidative Destruction of High Density Polyethylene. 2016 , 19, 901-907	2
466	Solvent gradient fractionation and chain microstructure of complex branched polyethylene resin. 2016 , 23, 1	8
465	Silver nanoparticles as a key feature of a plasma polymer composite layer in mitigation of charge injection into polyethylene under dc stress. 2016 , 49, 015304	18
464	Poly(styrenesulfonic acid)-impregnated alginate capsule for the selective sorption of Pd(II) from a Pt(IV)-Pd(II) binary solution. 2016 , 318, 79-89	29
463	Mechanical properties study of micro- and nano-hydroxyapatite reinforced ultrahigh molecular weight polyethylene composites. 2016 , 133, n/a-n/a	34
462	Photonic Structure Textile Design for Localized Thermal Cooling Based on a Fiber Blending Scheme. 2016 , 3, 2420-2426	40
461	A selective metasurface absorber with an amorphous carbon interlayer for solar thermal applications. 2016 , 26, 392-397	18
460	Developing radiation tolerant polymer nanocomposites using C60 as an additive. 2016 , 6, 40785-40792	1
459	Removal of Cd(II) by poly(styrenesulfonic acid)-impregnated alginate capsule. 2016 , 61, 188-195	11
458	Thermoplastic materials aging under various stresses. 2016 ,	3
457	Radiative human body cooling by nanoporous polyethylene textile. 2016 , 353, 1019-1023	464
456	Improvement of meltdown temperature of lithium-ion battery separator using electrospun polyethersulfone membranes. 2016 , 107, 163-169	29
455	An innovative microwave cavity sensor for non-destructive characterisation of polymers. 2016 , 251, 156-166	3
454	Distribution and quantity of microplastic on sandy beaches along the northern coast of Taiwan. 2016 , 111, 126-135	80
453	Characterization of volatile compounds, structural, thermal and physico-mechanical properties of cross-linked polyethylene foams degraded thermo-mechanically at variable times. 2016 , 134, 383-393	13
452	Influence of 2015 flood on the distribution and occurrence of microplastic pellets along the Chennai coast, India. 2016 , 109, 196-204	143
451	Long-term aging and degradation of microplastic particles: Comparing in situ oceanic and experimental weathering patterns. 2016 , 110, 299-308	243
450	11th German Conference on Chemoinformatics (GCC 2015) : Fulda, Germany. 8-10 November 2015. 2016 , 8, 18	

449	Evaluation of the rate of abiotic and biotic degradation of oxo-degradable polyethylene. <i>Polymer Testing</i> , 2016 , 53, 58-69	4-5	30
448	TiO ₂ /polystyrene core-shell nanoparticles as fillers for LLDPE/PLA blend: development, and morphological, thermal and mechanical properties. 2016 , 73, 3049-3063		10
447	Study on the effect of the degree of grafting on the performance of polyethylene-based anion exchange membrane for fuel cell application. 2016 , 41, 1120-1133		63
446	Non-invasive identification of plastic materials in museum collections with portable FTIR reflectance spectroscopy: Reference database and practical applications. 2016 , 124, 868-877		44
445	Enzymatic recovery of polyester building blocks from polymer blends. 2017 , 59, 58-64		57
444	Production of Composite Membranes by Coupling Coating and Melt Extrusion/Salt Leaching. 2017 , 56, 1306-1315		7
443	Physical and optical properties of DCJTB dye for OLED display applications: Experimental and theoretical investigation. 2017 , 1137, 403-411		25
442	The Use of ATR-FTIR in Conjunction with Thermal Analysis Methods for Efficient Identification of Polymer Samples: A Qualitative Multi-instrument Instrumental Analysis Laboratory Experiment. 2017 , 94, 1780-1783		9
441	Enhanced biodegradation of low and high-density polyethylene by novel bacterial consortia formulated from plastic-contaminated cow dung under thermophilic conditions. 2017 , 24, 8443-8457		46
440	Microplastic in the surface waters of the Ross Sea (Antarctica): Occurrence, distribution and characterization by FTIR. 2017 , 175, 391-400		280
439	The effects of microbial transglutaminase on the properties of fish myofibrillar protein film. 2017 , 12, 91-99		29
438	Thermal Management in Nanofiber-Based Face Mask. 2017 , 17, 3506-3510		158
437	Synthesis of polyethylene and PE/MWCNT composite using a spherical bulky diimine Pd(II) catalyst. 2017 , 464, 99-107		3
436	Thermal and mechanical properties of PP/HDPE/wood powder and MAPP/HDPE/wood powder polymer blend composites. 2017 , 654, 40-50		39
435	Safety assessment of high density polyethylene pipe with thermal damages. 2017 , 46, 173-183		4
434	Safety and durability of low-density polyethylene bags in solar water disinfection applications. 2017 , 38, 1987-1996		5
433	Are There Nanoplastics in Your Personal Care Products?. 2017 , 4, 280-285		262
432	Comparison of different microclimate effects on the aging behavior of encapsulation materials used in photovoltaic modules. 2017 , 138, 182-191		33

431	Degradation of radiation grafted hydroxide anion exchange membrane immersed in neutral pH: removal of vinylbenzyl trimethylammonium hydroxide due to oxidation. 2017 , 5, 1248-1267	46
430	Classification of polyethylene cling films by attenuated total reflectance-Fourier transform infrared spectroscopy and chemometrics. 2017 , 9, 192-197	8
429	Using PLS, iPLS and siPLS linear regressions to determine the composition of LDPE/HDPE blends: A comparison between confocal Raman and ATR-FTIR spectroscopies. 2017 , 92, 259-266	33
428	A New Chemometric Approach for Automatic Identification of Microplastics from Environmental Compartments Based on FT-IR Spectroscopy. 2017 , 89, 12045-12053	51
427	Density functional theory modeling of C-Au chemical bond formation in gold implanted polyethylene. 2017 , 19, 28897-28906	7
426	Plastic pollution in freshwater ecosystems: macro-, meso-, and microplastic debris in a floodplain lake. 2017 , 189, 581	112
425	Highly permeable and mechanically durable forward osmosis membranes prepared using polyethylene lithium ion battery separators. 2017 , 544, 213-220	48
424	Effects of solar irradiation on the properties of ethylene-norbornene composites containing solvent dyes. <i>Polymer Testing</i> , 2017 , 62, 392-401	4.5 4
423	A dual-mode textile for human body radiative heating and cooling. 2017 , 3, e1700895	222
422	Photodegradation Improvement of Low-Density Polyethylene Thin Film with gC3N4/5ZnO/TiO2 Photocatalysts. 2017 , 264, 236-239	3
421	Optimization of a Wood Plastic Composite for Architectural Applications. 2017 , 12, 203-220	21
420	Development and characterisation of chitosan or alginate-coated low density polyethylene films containing <i>Satureja hortensis</i> extract. 2017 , 105, 121-130	26
419	Investigation of the morphology and properties of the polypropylene/low-density polyethylene/wood powder and the maleic anhydride grafted polypropylene/low-density polyethylene/wood powder polymer blend composites. 2017 , 51, 2045-2059	7
418	Poly(ethylene trisulfide)/graphene oxide nanocomposites. 2017 , 128, 427-442	24
417	The quenching of silver nanoparticles photoluminescence by graphene oxide: spectroscopic and morphological investigations. 2017 , 28, 1804-1811	8
416	High Oxygen Barrier Polyethylene Films. 2017 , 25, 571-582	4
415	Constrained Geometry Organotitanium Catalysts Supported on Nanosized Silica for Ethylene (co)Polymerization. 2017 , 22,	2
414	Fabrication of multilayer graphene oxide-reinforced high density polyethylene nanocomposites with enhanced thermal and mechanical properties via thermokinetic mixing. 2017 , 41, 381-390	9

413	Polarization of electron-beam irradiated LDPE films: contribution to charge generation and transport. 2018 , 51, 155303		5
412	Sweet Potato Starch-Based Nanocomposites: Development, Characterization, and Biodegradability. 2018 , 70, 1700273		20
411	Influence of sepiolite on thermal, mechanical and biodegradation properties of poly-3-hydroxybutyrate- co -3-hydroxyvalerate nanocomposites. 2018 , 156, 11-19		23
410	Applications of Fourier transform infrared spectroscopy technologies on asphalt materials. 2018 , 121, 304-316		107
409	Synthesis of LDPE Using Pyridineimine-Based Nickel (II) Bromide Complexes: Effect of Catalyst Bulkiness on Thermal, Structural, and Morphological Properties. 2018 , 12, 1800006		5
408	Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. 2018 , 53, 866-875		91
407	Trash to energy: A facile, robust and cheap approach for mitigating environment pollutant using household triboelectric nanogenerator. 2018 , 219, 338-349		52
406	Dispersion and exfoliation of nanoclays in itaconic acid functionalized LDPE by ultrasound treatment. 2018 , 135, 46260		11
405	Trace element dynamics of biosolids-derived microbeads. 2018 , 199, 331-339		40
404	A Novel Approach to Design Nanoporous Polyethylene/Polyester Composite Fabric via TIPS for Human Body Cooling. 2018 , 303, 1700456		22
403	Polyethylene-supported high performance reverse osmosis membranes with enhanced mechanical and chemical durability. 2018 , 436, 28-38		62
402	Spray process to styrene grafting onto polyethylene film surface for paintability enhancement. 2018 , 117, 91-101		6
401	Identifying mechanically induced chemical changes to vintage grade high density polyethylene pipes during squeeze-off. <i>Polymer Testing</i> , 2018 , 65, 242-248	4-5	1
400	Effect of corona treatment on adhesion enhancement of LLDPE. 2018 , 335, 118-125		29
399	Comparison of catalytic performance of an iron-alumina pillared montmorillonite and HZSM-5 zeolite on a spouted bed reactor. 2018 , 130, 320-331		10
398	Synthesis of Supported Pd0 Nanoparticles from a Single-Site Pd2+ Surface Complex by Alkene Reduction. 2018 , 30, 1032-1044		13
397	Microstructure characterization of one high-speed extrusion coating polyethylene resin fractionated by solvent gradient fractionation. 2018 , 25, 1		4
396	Structure and breakdown property relationship of polyethylene nanocomposites containing laboratory-synthesized alumina, magnesia and magnesium aluminate nanofillers. 2018 , 120, 140-146		7

395	Background survey of polyethylene in the Australian Capital Territory - A demonstration of variability in isotopic abundance values and their application to forensic casework. 2018 , 58, 276-281		5
394	High density polyethylene (HDPE) /Graphite composite manufactured by extrusion: A novel way to fabricate phase change materials for thermal energy storage. 2018 , 40, 131-140		13
393	Surface modification of UHMWPE/fabric composite membrane via self-polymerized polydopamine followed by mPEG-NH ₂ immobilization. 2018 , 135, 46428		16
392	Gear fatigue life and thermomechanical behavior of novel green and bio-composite materials VS high-performance thermoplastics. <i>Polymer Testing</i> , 2018 , 66, 403-414	4-5	14
391	Surface modification and adhesion of wood-plastic composite (WPC) treated with UV/ozone. 2018 , 25, 127-149		11
390	Evaluation of stearic acid modified industrial lime sludge waste as a filler in high density polyethylene composites. 2018 , 38, 333-341		2
389	Preparation of ibuprofen-loaded HDPE tubular devices for application as urinary catheters. 2018 , 135, 45661		1
388	Wood-plastic composites based on HDPE and ionic liquid additives. 2018 , 53, 4132-4143		12
387	The role of microcrystalline structure on optical scattering characteristics of semi-crystalline thermoplastics and the accuracy of numerical input for IR-heating modeling. 2018 , 11, 717-727		1
386	Effects of hypochlorite exposure on the structure and electrochemical performance of ion exchange membranes in reverse electrodialysis. 2018 , 549, 295-305		14
385	Thermal and UV degradation of polypropylene with pro-oxidant. Abiotic characterization. 2018 , 135, 46088		11
384	The effects of nanoclay and tin(IV) oxide nanopowder on morphological, thermo-mechanical properties of hexamethylene diisocyanate treated jute/bamboo/polyethylene hybrid composites. 2018 , 24, 358-366		8
383	Single and binary catalyst systems based on nickel and palladium in polymerization of ethylene. 2018 , 32, e4153		5
382	DC Breakdown Performance of Polyethylene/Silicon Nitride Nanocomposites upon Non-isothermal Crystallization. 2018 ,		
381	Miscibility Improvement of LDPE/PVA Blends with Maleic Acid Additions. 2018 , 433, 012074		1
380	Polyethylene Battery Separator as a Porous Support for Thin Film Composite Organic Solvent Nanofiltration Membranes. 2018 , 10, 44050-44058		25
379	Development of an antifungal film by polyethylene surface modification with natamycin. 2018 , 18, 191-200		10
378	Additive Manufacturing of PE/fluorouracil/progesterone intrauterine device for endometrial and ovarian cancer treatments. <i>Polymer Testing</i> , 2018 , 71, 312-317	4-5	19

377	Optimization of Thermal Stability of High-Density Polyethylene Composite Using Antioxidant, Carbon Black and Nanoclay Addition by a Central Composite Design Method: X-ray Diffraction and Rheological Characterization. 2018 , 57, 660-678	3
376	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. 2018 , 10, 41637-41644	45
375	Biodeterioration of plasma pretreated LDPE sheets by <i>Pleurotus ostreatus</i> . 2018 , 13, e0203786	31
374	Banana fiber/low-density polyethylene recycled composites for third world eco-friendly construction applications □Waste for life project Sri Lanka. 2018 , 37, 1322-1331	10
373	DC Breakdown Characteristics of Polyethylene/Silica Nanocomposites upon Non-isothermal Crystallization. 2018 ,	0
372	Structural Studies of dielectric HDPE+ZrO ₂ polymer nanocomposites: filler concentration dependences. 2018 , 994, 012011	2
371	Oxidation Reactions in Kink Banded Regions of UHMPE Fiber-Based Laminates Used in Body Armor: A Mechanistic Study. 2018 , 154, 103-103	3
370	Short-Term Aging of High-Content SBSMA. 2018 , 30, 04018186	4
369	The effects of environmental conditions on the enrichment of antibiotics on microplastics in simulated natural water column. 2018 , 166, 377-383	52
368	First evidence of microplastic ingestion by fishes from the Amazon River estuary. 2018 , 133, 814-821	113
367	Microplastics analysis in Malaysian marine waters: A field study of Kuala Nerus and Kuantan. 2018 , 135, 451-457	48
366	Experiments and modeling of single plastic particle conversion in suspension. 2018 , 178, 213-225	2
365	HDPE/Chitosan Blends Modified with Organobentonite Synthesized with Quaternary Ammonium Salt Impregnated Chitosan. 2018 , 11,	8
364	Surface chemistry changes and microstructure evaluation of low density nanocluster polyethylene under natural weathering: A spectroscopic investigation. 2018 , 984, 012010	12
363	A non-destructive method for crack quantification in photovoltaic backsheets under accelerated and real-world exposures. 2018 , 153, 244-254	12
362	CARS-PLS regression and ATR-FTIR spectroscopy for eco-friendly and fast composition analyses of LDPE/HDPE blends. 2018 , 25, 1	8
361	Studies on structure property relations of efficient decal substrates for industrial grade membrane electrode assembly development in pemfc. 2018 , 8, 12082	9
360	Occurrence of microplastics in fishes from two landing sites in Tuticorin, South east coast of India. 2018 , 135, 889-894	62

359	Effect of LLDPE on Aging Resistance and Thermal, Mechanical, Morphological Properties of UHMWPE/LLDPE Blends. 2018 , 21,	5
358	Polyphenylene sulfide microfiber membrane with superhydrophobicity and superoleophilicity for oil/water separation. 2018 , 53, 13243-13252	27
357	Thermal degradation of flame-retarded high-voltage cable sheath and insulation via TG-FTIR. 2018 , 134, 167-175	15
356	Hot extrusion of PE/fluorouracil implantable rods for targeted drug delivery in cancer treatment. 2019 , 76, 1825-1838	4
355	Characterization of surface phenomena: probing early stage degradation of low-density polyethylene films. 2019 , 59, E129-E137	10
354	Bioinspired Metamaterials: Multibands Electromagnetic Wave Adaptability and Hydrophobic Characteristics. 2019 , 15, e1902730	71
353	Preparation and Characterization of Hybrid Composite Film Based on Synthetic and Natural Materials. 2019 , 2, 51-61	1
352	Physical and Spectrometric Analysis of Electron-Damaged LDPE. 2019 , 47, 3752-3758	1
351	Cellulose Fibers Hydrophobization via a Hybrid Chemical Modification. 2019 , 11,	29
350	The mobility of PEG chains versus micellar stability towards the formation of PE-b-PEG nanohybrid shish-kebab on carbon nanotubes. 2019 , 30, 1796-1806	0
349	Influence of comonomer distribution on crystallization kinetics and performance of polyethylene of raised temperature resistance. 2019 , 68, 1748-1758	2
348	Direct use of Brazilian banknotes residue for the production of reinforced composites based on low-density polyethylene. 2019 , 136, 48232	2
347	Accurate determination of the layer thickness of a multilayer polymer film by non-invasive multivariate confocal Raman microscopy. 2019 , 144, 5600-5607	3
346	Using FTIRS as pre-screening method for detection of microplastic in bulk sediment samples. 2019 , 689, 341-346	15
345	Enhanced Visible Light Photodegradation of Microplastic Fragments with Plasmonic Platinum/Zinc Oxide Nanorod Photocatalysts. 2019 , 9, 819	50
344	Atomistic-scale insights into the crosslinking of polyethylene induced by peroxides. 2019 , 183, 121901	25
343	High-performance subambient radiative cooling enabled by optically selective and thermally insulating polyethylene aerogel. 2019 , 5, eaat9480	136
342	Antibacterial LDPE/GSE/Mel/ZnONP composite film-coated wrapping paper for convenience food packaging application. 2019 , 22, 100421	15

341	Assessment of microplastic pollution: occurrence and characterisation in Vesijärvi lake and Pikku Vesijärvi pond, Finland. 2019 , 191, 652	41
340	MIR spectral characterization of plastic to enable discrimination in an industrial recycling context: II. Specific case of polyolefins. 2019 , 98, 160-172	19
339	Study of the Effect of PP and LDPE Thermoplastic Binder Addition on the Mechanical Properties and Physical Properties of Particulate Composites for Building Material Application. 2019 , 964, 115-123	0
338	Selective bacterial colonization processes on polyethylene waste samples in an abandoned landfill site. 2019 , 9, 14138	40
337	Polyethylene/phosphors composites, a novel treatment for LDPE plastic. 2019 , 96, 109336	1
336	Distribution and characterization of microplastics in beach sand from three different Indian coastal environments. 2019 , 140, 262-273	136
335	Zinc migration and its effect on the functionality of a low density polyethylene-ZnO nanocomposite film. 2019 , 20, 100301	29
334	Chain structure comparison of two low density polyethylene resins fractionated by temperature rising elution fractionation and thermal fractionation. 2019 , 26, 1	5
333	Graphene Enhanced Electrical Properties of Polyethylene Blends for High-Voltage Insulation. 2019 , 15, 582-594	8
332	Surface hydrophobisation of lignocellulosic waste for the preparation of biothermoelastoplastic composites. 2019 , 118, 481-491	13
331	Supercritical CO ₂ impregnation of Tocopherol into PET/PP films for active packaging applications. 2019 , 34, 266-273	25
330	Peroxide-initiated chemical modification of polyolefins: In search of a latent antioxidant. 2019 , 176, 293-299	3
329	Simultaneous bioconversion of lignocellulosic residues and oxodegradable polyethylene by <i>Pleurotus ostreatus</i> for biochar production, enriched with phosphate solubilizing bacteria for agricultural use. 2019 , 14, e0217100	9
328	Physicochemical and barrier properties of polylactide films including antimicrobial additives. 2019 , 230, 299-307	6
327	Efficient biodegradation of polyethylene (HDPE) waste by the plastic-eating lesser waxworm (<i>Achroia grisella</i>). 2019 , 26, 18509-18519	66
326	Effects of de-polymerized lignin content on thermo-oxidative and thermal stability of polyethylene. 2019 , 140, 413-422	7
325	Predicting LDPE/HDPE blend composition by CARS-PLS regression and confocal Raman spectroscopy. 2019 , 29,	10
324	. 2019 , 26, 284-291	8

323	Amine-Based Latex Coatings for Indoor Air CO Control in Commercial Buildings. 2019 , 11, 16594-16604	5
322	Visible light photocatalytic degradation of microplastic residues with zinc oxide nanorods. 2019 , 17, 1341-1346	29
321	Temperature and LET effects on radiation-induced modifications in non-perfect polyethylenes. 2019 , 162, 66-75	3
320	Melt electrospinning of polyethylene fibres for oil collection from water surface. 2019 , 1347, 012082	
319	Partial Discharge Characteristics of Low Density Polyethylene Nanocomposites Containing Plasma Treated Boron Nitride Nanofillers. 2019 ,	0
318	Crystalline Characteristics and Their Influence in the Mechanical Performance in Poly(ϵ -Caprolactone) / High Density Polyethylene Blends. 2019 , 11,	2
317	Spectroscopic and chemometric evaluation of cling films used for wrapping of foodstuff and illicit drugs. 2019 , 206, 558-568	23
316	Kinetic and thermodynamic studies of silver migration from nanocomposites. 2019 , 243, 1-8	11
315	Investigation of electrical conductivity and electromagnetic interference shielding effectiveness of preferentially distributed conductive filler in highly flexible polymer blends nanocomposites. 2019 , 118, 75-89	65
314	Towards understanding the role of peroxide initiators on compatibilization efficiency of thermoplastic elastomers highly filled with reclaimed GTR. <i>Polymer Testing</i> , 2019 , 73, 143-151	4.5 21
313	High hardness and low dielectric constant thin films with oriented urea oligomers by physical vapor deposition. 2019 , 54, 2483-2492	3
312	New organic-inorganic hybrids as multifunctional additives to improve ethylene-norbornene (EN) composite stability. 2019 , 160, 110-119	7
311	Novel LDPE-riboflavin composite film with dual function of broad-spectrum light barrier and antimicrobial activity. 2019 , 100, 176-182	12
310	New strategy for preparation of LLDPE nanocomposites through tandem catalytic system. 2019 , 136, 47497	2
309	Injection and injection compression molding of ultra-high-molecular weight polyethylene powder. 2019 , 59, E170-E179	5
308	Determination of optical properties of a corn starch biofilm. 2019 , 136, 47111	1
307	Investigating Thermal and Surface Properties of Low-Density Polyethylene/Nanoperlite Nanocomposites for Packaging Applications. 2019 , 40, 2929-2937	6
306	Innovative cellulose fibres reinforced ethylene-norbornene copolymer composites of an increased degradation potential. 2019 , 159, 174-183	9

305	Biofouling resistant polyethylene cage aquaculture nettings: A new approach using polyaniline and nano copper oxide. 2020 , 13, 875-882	7
304	Effect of chemical treatment on biological degradation of high-density polyethylene (HDPE). 2020 , 22, 1093-1104	16
303	Characteristics of HDPE/cardboard dust 3D printable composite filaments. 2020 , 276, 116379	16
302	Pollutants delivered every day: Phthalates in plastic express packaging bags and their leaching potential. 2020 , 384, 121282	46
301	On the physical, chemical, and neutron shielding properties of polyethylene/boron carbide composites. 2020 , 166, 108450	16
300	Recycling of Polyethylene Bags into High-Strength Yarns Without Using Melt Processing. 2020 , 60, 281-287	4
299	Bi-supported Ziegler-Natta $TiCl_4/MCM-41/MgCl_2$ (ethoxide type) catalyst preparation and comprehensive investigations of produced polyethylene characteristics. 2020 , 137, 48553	5
298	Antibacterial Polyethylene Film via Grafting of Acrylic Acid Initiated by Oxygen Plasma and In-Situ Synthesis of Silver Nanoparticles. 2020 , 30, 2241-2247	1
297	The mechanism for adsorption of Cr(VI) ions by PE microplastics in ternary system of natural water environment. 2020 , 257, 113440	38
296	Bimodal Nanofiber and Microfiber Nonwovens by Melt-Blowing Immiscible Ternary Polymer Blends. 2020 , 59, 5238-5246	9
295	Application of atmospheric pressure plasma for adhesion improvement in polyurethane coating on polypropylene fabrics. 2020 , 17, 485-501	8
294	Impact of organic-inorganic color additive on the properties of ethylene-norbornene copolymer. <i>Polymer Testing</i> , 2020 , 82, 106290	4-5 6
293	Comparison between manta trawl and in situ pump filtration methods, and guidance for visual identification of microplastics in surface waters. 2020 , 27, 5559-5571	41
292	Analysis of microbeads in cosmetic products in the United Arab Emirates. 2020 , 258, 113831	21
291	Aggregation and stability of nanoscale plastics in aquatic environment. 2020 , 171, 115401	37
290	Spatially resolved polymer classification using laser induced breakdown spectroscopy (LIBS) and multivariate statistics. 2020 , 209, 120572	13
289	Nano-ZrO ₂ filled high-density polyethylene composites: Structure, thermal properties, and the influence of irradiation. 2020 , 171, 109042	9
288	Biofilm alters tetracycline and copper adsorption behaviors onto polyethylene microplastics. 2020 , 392, 123808	71

287	Surface resistivity, surface wettability and thermal stability of the 1-ethyl-2,3-dimethylimidazolium ethyl sulfate and methyl-tri-n-butylammonium methyl sulfate modified polyethylene. 2020 , 59, 722-732	0
286	Recycling of Quaternary Household Plastic Wastes by Utilizing Poly(Ethylene-co-Methacrylic acid) Copolymer Sodium Ion: Compatibility and Re-processability Assessments. 2020 , 28, 471-482	3
285	On the Use of Gallic Acid as a Potential Natural Antioxidant and Ultraviolet Light Stabilizer in Cast-Extruded Bio-Based High-Density Polyethylene Films. 2019 , 12,	11
284	IR Study on Cellulose with the Varied Moisture Contents: Insight into the Supramolecular Structure. 2020 , 13,	30
283	Investigating the effect of adding CdO nano particles on neutron shielding efficacy of HDPE. 2020 , 177, 109145	3
282	Characterization of Ethylene-butene Polyethylene Copolymers by DSC and SSA. 2020 , 774, 012026	
281	Microwave-initiated catalytic deconstruction of plastic waste into hydrogen and high-value carbons. 2020 , 3, 902-912	81
280	Quantifying CTFE content in FK-800 using ATR-FTIR and time to peak crystallization. 2020 , 25, 621-633	1
279	Influence of moisture and CO ₂ on the material behavior of thermoplastic elastomers for beer bottle closures. <i>Polymer Testing</i> , 2020 , 92, 106875	4-5 1
278	Microplastic ingestion by a herring <i>Opisthonema</i> sp. in the Pacific coast of Costa Rica. 2020 , 38, 101367	4
277	Recycling and Reusing Polyethylene Waste as Antistatic and Electromagnetic Interference Shielding Materials. 2020 , 2020, 1-15	6
276	Additive manufacturing for COVID-19: Devices, materials, prospects, and challenges. 2020 , 10, 413-427	40
275	Antibacterial and Antifungal Properties of Composite Polyethylene Materials Reinforced with Neem and Turmeric. 2020 , 9,	0
274	Self-assembled fibrillar polyethylene crystals with tunable properties. 2020 , 60, 2176-2189	1
273	Impregnation of polyethylene membranes with 1-butyl-3-methylimidazolium dicyanamide ionic liquid for enhanced removal of Cd ²⁺ , Ni ²⁺ , and Zn ²⁺ from aqueous solutions. 2020 , 318, 113981	3
272	Shear resistance and composition of polyethylene protuberances from hip-simulating pin-on-disc wear tests. 2020 , 23, 100139	2
271	Chemical and high-temperature rheological properties of recycled plastics-polymer modified hybrid bitumen. 2020 , 276, 123064	28
270	High Capacity Functionalized Protein Superabsorbents from an Agricultural Co-Product: A Cradle-to-Cradle Approach. 2020 , 4, 2000110	6

269	Switching of heating and cooling modes using thermal radiation films. 2020 , 20, 1073-1079		4
268	Atmospheric Pressure Plasma Jet Treatment of Polymers Enables Reagent-Free Covalent Attachment of Biomolecules for Bioprinting. 2020 , 12, 38730-38743		9
267	Preparation, characterization and performance evaluation of ZnO deposited polyethylene ultrafiltration membranes for dye and protein separation. 2020 , 114, 153-167		12
266	Effect of APPT Treatment on Mechanical Properties and Durability of Green Composites with Woven Flax. 2020 , 13,		4
265	The Role of Silicon-Based Nanofillers and Polymer Crystallization on the Breakdown Behaviors of Polyethylene Blend Nanocomposites. 2020 , 15, 2050097		
264	Characterization of petroleum-based plastics and their absorbed trace metals from the sediments of the Marina Beach in Chennai, India. 2020 , 32,		12
263	Tribo-Mechanical Properties of the Antimicrobial Low-Density Polyethylene (LDPE) Nanocomposite with Hybrid ZnO-Vermiculite-Chlorhexidine Nanofillers. 2020 , 12,		5
262	Experimental Investigation of ABS Matrix and Cellulose Fiber Reinforced Polymer Composite Materials. 2020 , 1-12		4
261	The Role of Interfacial Interactions on the Functional Properties of Ethylene-Propylene Copolymer Containing SiO Nanoparticles. 2020 , 12,		2
260	Study on degrees of mesomorphic zone of polymer. III.Determination of the degree of crystallinity of Eucommia Ulmoides gum by VTFTIR and VTWAXD. <i>Polymer Testing</i> , 2020 , 89, 106605	4-5	6
259	Immobilization of [VCl ₃ (N-2,6-Me ₂ C ₆ H ₃)] Complex on Silica Supports: Synthesis and Catalytic Testing for Ethylene Polymerization. 2020 , 59, 12710-12718		4
258	High Oxygen and Water-Vapor Transmission Rate and In Vitro Cytotoxicity Assessment with Illite-Polyethylene Packaging Films. 2020 , 13,		3
257	Effect of blend composition and related morphology on the quasi-static fracture performance of LLDPE/PP blends. <i>Polymer Testing</i> , 2020 , 90, 106598	4-5	4
256	Micro- and macromechanical characterization of the influence of surface-modification of poly(vinyl alcohol) fibers on the reinforcement of calcium phosphate cements. 2020 , 109, 103776		8
255	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Solution for Green Chemistry (Part I). 2020 , 13,		6
254	Mechanical, Thermal and Rheological Properties of Polyethylene-Based Composites Filled with Micrometric Aluminum Powder. 2020 , 13,		11
253	Thermo-Mechanical Behavior and Hydrolytic Degradation of Linear Low Density Polyethylene/Poly(3-hydroxybutyrate) Blends. 2020 , 7,		3
252	Self-organization of vapor-deposited polyolefins at the solid/vacuum interface. 2020 , 143, 105630		2

251	Effects of incorporating calcined corals as natural antimicrobial agent into active packaging system for milk storage. 2020 , 111, 110781	8
250	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Application in Polymer Composite (part II). 2020 , 13,	9
249	Role of percent grafting and chain length of fully fluorinated pendant units in the grafted acrylic compound on crucial characteristic properties of high density polyethylene. 2020 , 236, 109591	1
248	Impact of polyethylene on salivary glands proteome in Galleria melonella. 2020 , 34, 100678	7
247	Drying of the Natural Fibers as A Solvent-Free Way to Improve the Cellulose-Filled Polymer Composite Performance. 2020 , 12,	10
246	Co-pyrolysis of oil sludge with polyolefins: Evaluation of different Y zeolites to obtain paraffinic products. 2020 , 8, 103805	17
245	Preparation and Characterization of Alumina HDPE Composites. 2020 , 13,	9
244	Hybrid Polymerisation: An Exploratory Study of the Chemo-Mechanical and Rheological Properties of Hybrid-Modified Bitumen. 2020 , 12,	12
243	An approach to assess and identify polymers in the health-care waste of a Brazilian university hospital. 2020 , 55, 800-819	5
242	Enhancing the dielectric properties of compatibilized high-density polyethylene/calcium carbonate nanocomposites using high-density polyethylene-g-maleic anhydride. 2021 , 78, 1393-1405	7
241	Effects of short fibers and processing additives on HDPE composites properties reinforced with Pinus and Eucalyptus fibers. 2021 , 138, 50178	1
240	Investigate the influence of microplastics weathering on their heavy metals uptake in stormwater. 2021 , 408, 124439	17
239	An innovative strategy to regulate bimodal cellular structure in chain extended poly(butylene adipate-co-terephthalate) foams. 2021 , 27, 319-331	8
238	High-performance and durable pressure retarded osmosis membranes fabricated using hydrophilized polyethylene separators. 2021 , 619, 118796	18
237	A comparative study on pyrolysis of bundle and fluffy shapes of waste packaging plastics. 2021 , 283, 119260	4
236	Interactions between microplastics and oil dispersion in the marine environment. 2021 , 403, 123944	19
235	Paraffin and other petroleum waxes in the southern North Sea. 2021 , 162, 111807	3
234	Micro-plastic pollution along the Bay of Bengal coastal stretch of Tamil Nadu, South India. 2021 , 756, 144073	7

233	Synergistic effects of aluminum hydroxide, red phosphorus, and expandable graphite on the flame retardancy and thermal stability of polyethylene. 2021 , 138, 50317	1
232	Green synthesis of Fe-ZnO nanoparticles with improved sunlight photocatalytic performance for polyethylene film deterioration and bacterial inactivation. 2021 , 123, 105574	23
231	Utilization of commodity thermoplastic polyethylene (PE) by enhanced sensing performance with liquid phase electrolyte for a flexible and transparent triboelectric tactile sensor. 2021 , 27, e00239	4
230	Microplastics in the Black Sea sediments. 2021 , 760, 143898	37
229	Even/Odd Effect in Aliphatic Polycarbonates with Different Chain Lengths: from Poly (Hexamethylene Carbonate) to Poly (Dodecamethylene Carbonate). 2021 , 54, 259-271	6
228	Variation of internal structure and performance of polyethylene- and polypropylene-modified bitumen during blending process. 2021 , 138, 50142	8
227	Effects of gamma irradiation on 3D-printed polylactic acid (PLA) and high-density polyethylene (HDPE). 2021 , 78, 4931-4945	6
226	Batch Hydrothermal liquefaction of end-of-life plastic and oil characterization. 2021 , 238, 08004	1
225	Surface Modification of Polytetrafluoroethylene Hollow Fiber Membrane for Direct Contact Membrane Distillation through Low-Density Polyethylene Solution Coating. 2021 , 6, 4609-4618	3
224	Efficacy of Microplastic Separation Techniques on Seawater Samples: Testing Accuracy Using High-Density Polyethylene. 2021 , 240, 52-66	4
223	Indigenous development of single screw conveying machine for pyrolysis of waste plastics using nano zeolite particles in fixed bed reactor. 1-13	1
222	Restoring mechanism of mechanical properties of recycled polyethylene pellet moldings by a repelletizing treatment using a twin-screw extruder. 2021 , 23, 1152-1176	1
221	Optimization and characterization of acrylonitrile/MAPE/nano-clay bamboo nanocomposites by response surface methodology. 2021 , 1	5
220	Mechanically Robust and Spectrally Selective Convection Shield for Daytime Subambient Radiative Cooling. 2021 , 13, 14132-14140	6
219	Upgrading Argan Shell Wastes in Wood Plastic Composites with Biobased Polyethylene Matrix and Different Compatibilizers. 2021 , 13,	7
218	Polyvinyl chloride: chemical modification and investigation of structural and thermal properties. 2021 , 42, 397-409	4
217	Effects of a Twin-Screw Extruder Equipped with a Molten Resin Reservoir on the Mechanical Properties and Microstructure of Recycled Waste Plastic Polyethylene Pellet Moldings. 2021 , 13,	2
216	Learnings about design from recycling by using post-consumer polypropylene as a core layer in a co-injection molded sandwich structure product. 2021 , 202, 109576	9

215	Wastes from Agricultural Silage Film Recycling Line as a Potential Polymer Materials. 2021 , 13,		4
214	LDPE Transformation by Exposure to Sequential Low-Pressure Plasma and TiO/UV Photocatalysis. 2021 , 26,		1
213	Preparation of low-density polyethylene- and poly (lactide)/poly (butylene adipate-co-terephthalate)-based antibacterial films integrated with elemental sulfur and sulfur nanoparticles. 2021 , 34, 505		4
212	Transparent passive-cooling composite films for indoor and outdoor spaces. 2021 , 24, 100611		1
211	Comparing the long-term responses of soil microbial structures and diversities to polyethylene microplastics in different aggregate fractions. 2021 , 149, 106398		24
210	Existence of Microplastic as Pollutant in Harike Wetland: An Analysis of Plastic Composition and First Report on Ramsar Wetland of India. 2021 , 16, 123-133		2
209	Polymer Based Triboelectric Nanogenerator for Cost-Effective Green Energy Generation and Implementation of Surface-Charge Engineering. 2021 , 9, 2001088		4
208	Surface characterization of plasma-modified low density polyethylene by attenuated total reflectance fourier-transform infrared (ATR-FTIR) spectroscopy combined with chemometrics. <i>Polymer Testing</i> , 2021 , 96, 107080	4-5	4
207	Low density polyethylene degradation by filamentous fungi. 2021 , 274, 116548		10
206	Ethylene scavenging properties from hydroxypropyl methylcellulose-TiO and gelatin-TiO nanocomposites on polyethylene supports for fruit application. 2021 , 178, 154-169		6
205	Oxidation of Ethanol in Cu-Faujasites Studied by IR Spectroscopy. 2021 , 26,		1
204	Catalytic pyrolysis of recycled HDPE, LDPE, and PP. 147776062110194		1
203	Two-step pyrolysis for waste HDPE valorization. 2021 , 149, 526-536		9
202	Characterization of Composition and Structure-Property Relationships of Commercial Post-Consumer Polyethylene and Polypropylene Recyclates. 2021 , 13,		7
201	Polyethylene degradation by <i>Ralstonia</i> sp. strain SKM2 and <i>Bacillus</i> sp. strain SM1 isolated from land fill soil site. 2021 , 22, 101495		5
200	Technical possibilities for recycling plastics from agribusiness. 147776062110194		
199	A flexible film to block solar radiation for daytime radiative cooling. 2021 , 225, 111029		11
198	Simultaneous Characterization of Implant Wear and Tribocorrosion Debris within Its Corresponding Tissue Response Using Infrared Chemical Imaging. 2021 , 26,		1

197	The effect of seawater aging on the pyrolysis of fishing nets. 2021 , 156, 105160	1
196	Commercial Gilthead Seabream (L.) from the Mar Menor Coastal Lagoon as Hotspots of Microplastic Accumulation in the Digestive System. 2021 , 18,	2
195	Cover shields for sub-ambient radiative cooling: A literature review. 2021 , 143, 110959	12
194	Microplastic and artificial cellulose microfibers ingestion by reef fishes in the Guarapari Islands, southwestern Atlantic. 2021 , 167, 112371	13
193	Isotope-Edited Amide II Mode: A New Label for Site-Specific Vibrational Spectroscopy. 2021 , 12, 6634-6638	0
192	Manufacturing poly(butylene adipate-co-terephthalate)/high density polyethylene blend-based nanocomposites with enhanced burning anti-dripping and physical properties [Effects of carbon nanofillers addition. 2021 , 217, 108878	6
191	Plant Cuticle-Inspired Polyesters as Promising Green and Sustainable Polymer Materials. 2021 , 3, 4088-4100	2
190	Discoloration of Historical Plastic Objects: New Insight into the Degradation of -Naphthol Pigment Lakes. 2021 , 13,	3
189	New Composite Sorbent for Removal of Sulfate Ions from Simulated and Real Groundwater in the Batch and Continuous Tests. 2021 , 26,	2
188	Phase Transitions in Poly(vinylidene fluoride)/Polymethylene-Based Diblock Copolymers and Blends. 2021 , 13,	2
187	Rotational Rheology of Wood Flour Composites Based on Recycled Polyethylene. 2021 , 13,	4
186	Carbonation sludge reinforced LDPE composites: flame-retardant, dynamic mechanical properties, thermal degradation behaviors. 1	0
185	Synergistic effect of UV, thermal, and chemical treatment on biological degradation of low-density polyethylene (LDPE) by <i>Thermomyces lanuginosus</i> . 2021 , 193, 513	1
184	Recent advances in textile materials for personal radiative thermal management in indoor and outdoor environments. 2021 , 165, 106899	13
183	Development of a pre-treatment process of polymeric wastes (HDPE, LDPE/LLDPE, PP) for application in the qualification of selectors of recyclable materials. 1	2
182	Abundance, characteristics and variation of microplastics in different freshwater fish species from Bangladesh. 2021 , 784, 147137	20
181	Fuzzy recognition of LDPE weathering risk based on environmental parameters. 2021 , 41, 167-179	
180	Bisphenol A degradation using waste antivirus copper film with enhanced sono-Fenton-like catalytic oxidation. 2021 , 276, 130218	15

179	Seasonal evidences of microplastics in environmental matrices of a tourist dominated urban estuary in Gulf of Mexico, Mexico. 2021 , 277, 130261	12
178	Microplastic pollution of Patos Lagoon, south of Brazil. 2021 , 4, 100076	6
177	Adsorption characteristics of tetracycline onto particulate polyethylene in dilute aqueous solutions. 2021 , 285, 117398	6
176	Atomic-scale imaging of CHNHPbl structure and its decomposition pathway. 2021 , 12, 5516	10
175	Green synthesis of modified polyethylene packing supported tea polyphenols-NZVI for nitrate removal from wastewater: Characterization and mechanisms. 2022 , 806, 150596	4
174	Green triboelectric nanogenerator based on waste polymers for electrophoretic deposition of titania nanoparticles. 2021 , 106581	5
173	Layer-by-Layer Assembly of Polystyrene/Ag for a Highly Reproducible SERS Substrate and Its Use for the Detection of Food Contaminants. 2021 , 13,	1
172	Challenges and Opportunities for Recycled Polyethylene Fishing Nets: Towards a Circular Economy. 2021 , 13,	1
171	Microplastic contamination in Indian edible mussels (<i>Perna perna</i> and <i>Perna viridis</i>) and their environs. 2021 , 171, 112678	7
170	Occurrence and characterization of microplastic and mesoplastic pollution in the Migliarino San Rossore, Massaciuccoli Nature Park (Italy). 2021 , 171, 112712	8
169	Inhibitory and synergistic effects on thermal behaviour and char characteristics during the co-pyrolysis of biomass and single-use plastics. 2021 , 235, 121369	4
168	Micro/nanofibrous nonwovens with high filtration performance and radiative heat dissipation property for personal protective face mask. 2021 , 423, 130175	13
167	The macro-debris pollution in the shorelines of Lake Tana: First report on abundance, assessment, constituents, and potential sources. 2021 , 797, 149235	10
166	Process and machinery design for the recycling of tetra pak components. 2021 , 323, 129186	1
165	Characterization of LLDPE/coir blend using FTIR technique. 2020 , 28, 1450-1454	5
164	Design of VO-coated silicon microspheres for thermally-regulating paint. 2019 , 27, 21787-21793	10
163	Plastics that made history - the contribution of conservation science for the history of the Portuguese Plastics Industry. 2020 , 35, 85-100	4
162	On the Use of Phenolic Compounds Present in Citrus Fruits and Grapes as Natural Antioxidants for Thermo-Compressed Bio-Based High-Density Polyethylene Films. 2020 , 10,	12

161	Spectral Emissivity (SE) Measurement Uncertainties across 2.5–4 μm Derived from a Round-Robin Study Made across International Laboratories. 2021 , 13, 102		1
160	Ecotoxicological Assessment of Microplastics in Freshwater Sources: A Review. 2021 , 13, 56		21
159	Characterization of LDPE Reinforced with Calcium Carbonate Fly Ash Hybrid Filler. 2014 , 02, 334-345		5
158	Thermal and dielectric properties of two-dimensional layered MXene (Ti ₃ C ₂ T _x) filled linear low-density polyethylene composites. 2022 , 139, 51743		0
157	Combined impact of UV radiation and nitric acid on HDPE containers during outdoor exposure. 2018 , 60, 257-264		0
156	Untersuchungen des Schädigungsgrades von Polyethylenformstoffen als Werkstoffe von Heizlagerbehältern nach einer Nutzungsdauer von über 30 Jahren. 2018 , 60, 1013-1020		
155	Microplastic ingestion by a herring <i>Opisthonema</i> sp., in the Pacific coast of Costa Rica.		
154	Effect of Thermal Cycles on Thermoplastic Polymers. 2020 ,		0
153	Accelerated degradation of low-density polyethylene in air and in sea water. 2021 , 151368		2
152	Gravity-based oil spill remediation using reduced graphene oxide/LDPE sheet for both light and heavy oils. 2021 , 156, 617-617		0
151	Biodegradable packaging as a suitable protectant for the conservation of frozen pacu (<i>Piaractus mesopotamicus</i>) for 360 days of storage at 18°C. e16133		2
150	Reversible thermochromic composites for intelligent adjustment of solar reflectance. 2021 , 276, 125372		0
149	Prediction of polyethylene density from FTIR and Raman spectroscopy using multivariate data analysis. <i>Polymer Testing</i> , 2021 , 107406	4-5	4
148	Qualitative Characterization of Branches in Various Polyethylene Species via Fourier Transform Spectroscopy. 2020 , 344-347		
147	CHARACTERIZATION OF LUBRICANT POLYETHYLENE WAXES.		1
146	Novel thin-film composite membrane with polydopamine-modified polyethylene support and tannic acid-Fe ³⁺ interlayer for forward osmosis applications. 2022 , 642, 119976		2
145	Study of cellulose extraction from disposable cups for potential application as a reinforcement of engineering polymers. 1		0
144	The effectivity of pre-treatment process of recycled HDPE based on the mechanical recycling method. 2021 ,		

143	Development of novel silane modified boric acid/ high density polyethylene composites for radiation shielding applications. 2022 , 192, 109909	0
142	CO2 based synergistic reaction effects with energy and exergy (2E) analysis of high density polyethylene with high ash bituminous coal for syngas production. 2021 , 311, 122500	1
141	Degradation of Microplastics by a Thermal Fenton Reaction.	6
140	Structural changes of polyethylene in blown films with different pro-oxidants. 2021 , 31,	
139	Biotreatment strategies for the removal of microplastics from freshwater systems. A review. 2022 , 20, 1377	1
138	In situ reduction of cathode material by organics and anode graphite without additive to recycle spent electric vehicle LiMn2O4 batteries. 2022 , 520, 230827	2
137	Seawater copper content controls biofilm bioaccumulation and microbial community on microplastics.. 2021 , 152278	2
136	High-speed mid-infrared spectrometer based on wavelength-swept quantum cascade laser using asynchronous-signal method. 2022 , 149, 107800	0
135	Enhanced Adsorption Performance of Tetracycline on Microplastics after Anaerobically Microbial-Mediated Aging Process.	
134	Influence of compatibilizers on the storage stability of hybrid polymer-modified bitumen with recycled polyethylene. 2022 , 215-232	
133	Toward reducing the food packaging waste impact: a study on the effect of Starch type and PE type in thermoplastic starch-polyethylene blends. 2022 , 76, 2447	
132	Unprecedented Marine Microplastic Contamination from the Xpress Pearl Container Vessel Disaster: Mitigating Efforts by the Blue Treatment Facility.	
131	Analysis of Plastic Waste for Sorting in Recycling Plants: An Inquiry-Based FTIR Spectroscopy Experiment for the Organic Chemistry Laboratory. 2022 , 99, 1008-1013	0
130	In-situ monitoring of cyclic olefin ring-opening metathesis polymerization by Raman spectroscopy: An effective tool for functional polymer and copolymer design. 2022 , 242, 124613	2
129	Characterization of municipal solid waste residues for hydrothermal liquefaction into liquid transportation fuels.. 2022 , 140, 133-142	1
128	Hydrophobic and oleophilic amine-functionalised graphene/polyethylene nanocomposite for oil-water separation. 2022 , 27, 102391	1
127	Accumulation of chiral pharmaceuticals (ofloxacin or levofloxacin) onto polyethylene microplastics from aqueous solutions.. 2022 , 823, 153765	0
126	Spectroscopic Stability Studies of Pressure Sensitive Labels Facestock Made from Recycled Post-Consumer Waste and Agro-Industrial By-Products. 2021 , 12, 1703	1

125	Enhanced Adsorption Performance of Tetracycline on Microplastics after Anaerobically Microbial-Mediated Aging Process.	
124	Protocol for Screening Low-Density Polyethylene (LDPE) Degrading Soil Fungi Isolated from Urban Waste Dumping Sites. 2022 , 123-137	
123	Transgenerational Effects of Polyethylene Microplastic Fragments Containing Benzophenone-3 Additive in Daphnia Magna.	
122	Size fractionation of high-density polyethylene breakdown nanoplastics reveals different toxic response in Daphnia magna.. 2022 , 12, 3109	2
121	Impact of the non-biodegradable plastics and role of microbes in biotic degradation. 2022 , 10, 171-189	
120	Nutrients Removal from Aquaculture Wastewater by Biofilter/Antibiotic-Resistant Bacteria Systems. 2022 , 14, 607	1
119	Synthesis and Characterization of Cellulose Triacetate Obtained from Date Palm (L.) Trunk Mesh-Derived Cellulose.. 2022 , 27,	0
118	Hemp and Its Derivatives as a Universal Industrial Raw Material (with Particular Emphasis on the Polymer Industry)-A Review.. 2022 , 15,	3
117	ATR-FTIR Spectroscopy Combined with Chemometric Methods for the Classification of Polyethylene Residues Containing Different Contaminants. 1	1
116	Synthesis, Characterization and Evaluation of Biological Properties of Selenium Nanoparticles from Solanum lycopersicum. 2022 , 103901	1
115	Evaluating the Manufacturing Quality of Lithium Ion Pouch Batteries.	0
114	Creep behaviour of rotomouldable grade materials: A comparative study. 2022 , 199, 109904	
113	Ethylene vinyl acetate/low-density polyethylene/oyster shell powder composite films: Preparation, characterization, and antimicrobial properties for biomedical applications. 2022 , 134, 104301	1
112	Deterioration of graffiti spray paints applied on granite after a decade of natural environment.. 2022 , 154169	1
111	Photoaging phenomena of biodegradable polybutylene succinate and conventional low density polyethylene by artificial weathering IA comparative surface study. 2022 , 590, 153058	1
110	Characterization of the UV-aging and antimicrobial resistance of cellulose / ethylene-norbornene composites.. 2022 , 289, 119459	0
109	Microplastic Polymers in Surface Waters and Sediments in the Creeks Along the Kenya Coast, Western Indian Ocean (WIO). 2021 , 6, em0177	1
108	Performance of concrete reinforced with synthetic fibres obtained from recycling end-of-life sport pitches. 2022 , 104522	0

- 107 Enhanced adsorption of tetracycline on polypropylene and polyethylene microplastics after anaerobically microbial-mediated aging process. **2022**, 6, 100075 0
- 106 Structure Analysis by Vibrational Spectroscopy. **2022**, 399-660
- 105 Effect of Ultraviolet Light Exposure and Compost Tea Supplementation on Growth, Antioxidant Activities, and Microbiome of Hydroponically Grown Mustard Greens. 1
- 104 Co-gasification of refuse-derived fuels and bituminous coal with oxygen/steam blend to hydrogen rich gas. **2022**, 124210 0
- 103 Development and characterization of microstructural and mechanical properties of hybrid polystyrene composites filled with kaolin and expanded polyethylene powder. **2022**, 14, 100423 4
- 102 A sustainable and green chlorophyll/TiO₂W composite supported on recycled plastic bottle caps for the complete removal of Rhodamine B contaminant from drinking water.. **2022**, 315, 115204 0
- 101 Durable polyolefin encapsulants in aged photovoltaic modules. **2022**, 114015
- 100 Physicochemical characterization and biodegradation test of oxo-degradable linear low-density polyethylene films subjected to gamma irradiation and accelerated weathering. **2022**, 287, 126282
- 99 Ductile composite films of polyethylene and low grammage paper. **2022**, 184, 115039
- 98 Microwave-Initiated Max-Catalyzed Upcycling of Polyolefin Plastic Wastes: Selective Conversion to Hydrogen and Carbon Nanofibers for Sodium-Ion Battery.
- 97 Influence of Wall Thickness on the Thermo-Mechanical Properties of Aging HDPE Pipes Under Freeze-Thaw Cycles in Quebec Province, Canada. **2023**, 393-401 1
- 96 Biocomposites from recycled resources as candidates for laboratory reference material to validate analytical tools used in organic compounds emissions investigation. **2022**, 109259 0
- 95 Transgenerational effects of polyethylene microplastic fragments containing benzophenone-3 additive in *Daphnia magna*. **2022**, 436, 129225 0
- 94 Manipulating Spin Polarization of Defected Co₃O₄ for Highly Efficient Electrocatalysis. 1
- 93 Viscoelastic Characterization and Degradation Stability Investigation of Poly(butylene-adipate-co-terephthalate) / Calcium-Phosphate Glass Composites. 0
- 92 Influence of UV degradation of bioplastics on the amplification of mercury bioavailability in aquatic environments. **2022**, 180, 113806
- 91 Bioleaching/enzyme-based recycling of aluminium and polyethylene from beverage cartons packaging waste. **2022**, 185, 106444 0
- 90 Synergistic effect of total residual oxidants and microplastics on seawater disinfection: An ecotoxicity study.

- 89 Thermoregulatory clothing with temperature-adaptive multimodal body heat regulation. **2022**, 100958 1
- 88 Safe Storage? An Assessment of Polyethylene for the Storage of Heritage Objects. 1-10 1
- 87 Extraction and Characterization of Microplastics from Portuguese Industrial Effluents. **2022**, 14, 2902 0
- 86 Influence of nitric acid on biodegradation of polystyrene and low-density polyethylene by *Cephalosporium* species. **2022**, 204, 0
- 85 Tribological, thermal, dynamic and mechanical characteristics of low density polyethylene composites with iron scale. **2022**, 104056
- 84 CF3O-Functionalized Bis(arylimino)pyridine-Cobalt Ethylene Polymerization Catalysts: Harnessing Solvent Effects on Performance and Polymer Properties. 1
- 83 Corrosion resistance improvement of the Ti6Al4V/UHMWPE systems by the assembly of ODPAs molecules by dip coating technique. **2022**, 171, 107013 0
- 82 Oxygen absorbing food packaging made by extrusion compounding of thermoplastic cassava starch with gallic acid. **2022**, 109273 3
- 81 Improvement of polyethylene fiber wettability and mechanical properties through an environmentally sustainable spinning process. **2022**, 103250
- 80 Hydrophilic Nanocomposite Films with a Fence-Structure-Induced Labyrinth Effect for Greenhouse Cooling and Light Enhancement.
- 79 Melt flow ratio: a way to identify the type of polyethylene. **2022**,
- 78 A Study on Recycled Polymers Recovered from Multilayer Plastic Packaging Films by Solvent-Targeted Recovery and Precipitation (STRAP). 2200346
- 77 Biodeterioration of low density polyethylene by mangrove associated endolichenic fungi and their enzymatic regimes.
- 76 Influence of the nature of pro-oxidants on the photooxidation of polyethylene blown films. **2022**, 8, e10217 0
- 75 A facile route to improve compatibilization of low density polyethylene/poly(ϵ -caprolactone) blends. **2022**, 204, 110111
- 74 Advanced surface FTIR spectroscopy analysis of poly(ethylene)-block-poly(ethylene oxide) thin film adsorbed on gold substrate. **2022**, 603, 154428
- 73 Toxic effects of polyethylene microplastics on transcriptional changes, biochemical response, and oxidative stress in common carp (*Cyprinus carpio*). **2022**, 261, 109423 2
- 72 Microwave-initiated MAX Ti3AlC2-catalyzed upcycling of polyolefin plastic wastes: Selective conversion to hydrogen and carbon nanofibers for sodium-ion battery. **2022**, 318, 121828

71	Baseline marine litter abundance and distribution on Saint Martin Island, Bay of Bengal, Bangladesh. 2022 , 183, 114091	0
70	The effect of weathering environments on microplastic chemical identification with Raman and IR spectroscopy: Part I. polyethylene and polypropylene. 2022 , 116, 107752	3
69	Development and characterization of green polyethylene/clay/antimicrobial additive nanocomposites. 2022 , 32,	0
68	Analysis of the Solid Contents of Toothpastes Available in UAE (United Arab Emirates) Markets. 2022 , 13, 539-556	0
67	The Relationship between a Rotational Molding Processing Procedure and the Structure and Properties of Biobased Polyethylene Composites Filled with Expanded Vermiculite. 2022 , 15, 5903	0
66	Investigation of Thermal Properties of Zr-Based Metallic Glass Polymer Composite with the Addition of Silane. 2022 , 14, 3548	0
65	The carrier effect mechanism of butachlor in water by three typical microplastics.	0
64	Abiotic aging assisted bio-oxidation and degradation of LLDPE/LDPE packaging polyethylene film by stimulated enrichment culture. 2022 , 110156	0
63	Rice husk ash: Economical and high-quality natural-based reinforcing filler for linear low-density and high-density polyethylene. 204124792211289	0
62	UHMWPE textiles and composites. 2021 , 53, 183-335	0
61	Production and 3D Printing of a Nanocellulose-Based Composite Filament Composed of Polymer-Modified Cellulose Nanofibrils and High-Density Polyethylene (HDPE) for the Fabrication of 3D Complex Shapes. 2022 , 10, 91	0
60	Characterization of linear low-density polyethylene and halloysite nanotube (LLDPE / HNT) composites based on two-roll calendering melt fabrication.	0
59	Ionic liquid/high-density polyethylene composite supported molybdenum complex: a powerful, highly stable and easy recoverable catalyst. 2022 , 29,	0
58	Effect of Chemical Agents on the Morphology and Chemical Structures of Microplastics. 2022 , 14, 4353	0
57	Extraction and analysis of microplastic beads from personal care products. 2022 , 19,	0
56	Anomalous Wear Behavior of UHMWPE During Sliding Against CoCrMo Under Varying Cross-Shear and Contact Pressure. 2022 , 70,	0
55	Valorization of Potential Post-Consumer Polyethylene (PE) Plastics Waste and Ethiopian Indigenous Highland Bamboo (EHB) for Wood Plastic Composite (WPC): Experimental Evaluation and Characterization. 2022 , 10, 85	0
54	A Comparative Study of Gamma-Ray Irradiation-Induced Oxidation: Polyethylene, Poly (Vinylidene Fluoride), and Polytetrafluoroethylene. 2022 , 14, 4570	0

- 53 Original study on mathematical models for analysis of cellulose water content from absorbance/wavenumber shifts in ATR FT-IR spectrum. ○
- 52 Study of physicochemical properties of polyethylene gas pipelines material with a prolonged service life. **2022**, 200, 104825 1
- 51 Plastic Bags and Films. **2023**, 204-216 ○
- 50 Simulating the recycling of milk bottles in the UK: Influence of blending virgin and repeatedly melt-extruded high-density polyethylene. **2023**, 189, 106734 ○
- 49 Microplastics in Ship Sewage and Solutions to Limit Their Spread: A Case Study. **2022**, 14, 3701 ○
- 48 Original study on mathematical models for analysis of cellulose water content from absorbance/wavenumber shifts in ATR FT-IR spectrum. **2022**, 12, 1 1
- 47 Evaluation of dosimetric characteristics of a ternary nanocomposite based on High Density Polyethylene/Bismuth Oxide/Graphene Oxide for gamma-rays. **2022**, 12, ○
- 46 Characterization of photo-oxidative degradation process of polyolefins containing oxo-biodegradable additives. **2022**, 262, 125455 ○
- 45 Plasma Treated Low-Density Polyethylene Nanocomposites: Investigation of Partial Discharge and Breakdown Strength. **2022**, 1-12 ○
- 44 Influence of microplastics on microbial anaerobic detoxification of chlorophenols. **2023**, 316, 120707 ○
- 43 First record of microplastic in the environmental matrices of a Mediterranean marine cave (Bue Marino, Sardinia, Italy). **2023**, 186, 114452 ○
- 42 Roles of modified polyethylene addition and electron beam treatment on the interfacial, thermal, mechanical, and electrical properties of polyethylene/short carbon fiber composites. **2023**, 165, 107350 1
- 41 Microplastics pollution in freshwater fishes in the South of Italy: Characterization, distribution, and correlation with environmental pollutants. **2023**, 864, 161032 ○
- 40 In-situ exsolution of Fe-Ni alloy catalysts for H₂ and carbon nanotube production from microwave plasma-initiated decomposition of plastic wastes. **2023**, 445, 130609 ○
- 39 Distinct Bacterial and Fungal Communities Colonizing Waste Plastic Films Buried for More Than 20 Years in Four Landfill Sites in Korea. **2022**, ○
- 38 Effects of Interfacial Interactions and Nanoparticle Agglomeration on the Structural, Thermal, Optical, and Dielectric Properties of Polyethylene/Cr₂O₃ and Polyethylene/Cr₂O₃/CNTs Nanocomposites. ○
- 37 High density polyethylene (HDPE) biodegradation by the fungus *cladosporium halotolerans*. ○
- 36 Ethylene scavenging film based on low-density polyethylene incorporating pumice and potassium permanganate and its application to preserve avocados. **2022**, 172, 114200 ○

- 35 Potential of sediment bacterial communities from Manila Bay (Philippines) to degrade low-density polyethylene (LDPE). **2023**, 205, 0
- 34 Elucidating polymer growth and fragmentation behavior of MOFs in ethylene polymerization by MOF thin films. **2022**, 101206 0
- 33 INVESTIGATION OF THE USAGE OF HBN IN THE WORKABILITY OF LINEAR LOW DENSITY POLYETHYLENE. **2022**, 25, 73-79 0
- 32 The Influence of Different Hematite (Fe_2O_3) Particles on the Thermal, Optical, Mechanical, and Barrier Properties of LDPE/Hematite Composites. **2023**, 16, 706 0
- 31 Calculation of the degree of crystallinity of HDPE/GNPs nanocomposites by using various experimental techniques: a comparative study. **2023**, 58, 1621-1639 2
- 30 Effect of Modification with a Biocide Containing Metal Nanoparticles on Selected LDPE Properties. **2023**, 7, 13 0
- 29 Recycling Microplastics to Fabricate Anodes for Lithium-Ion Batteries: From Removal of Environmental Troubles via Electrocoagulation to Useful Resources. 2205675 0
- 28 Degradation and characterization methods for polyethylene gas pipes after natural and accelerated aging. **2023**, 208, 110247 1
- 27 17-32 THz radiation generation from a CdSiP₂ crystal. 0
- 26 Cellulose fiber-reinforced composites History of evolution, chemistry, and structure. **2023**, 1-22 0
- 25 Sub-two-micron ultrathin proton exchange membrane with reinforced mechanical strength. **2023**, 272, 125829 0
- 24 Study on the Grafting Polyelectrolyte on Cross-Linked Polyethylene Surface and Its Biotribological Behaviors. **2023**, 9, 0
- 23 Effects of interfacial interactions on structural, optical, thermal degradation properties and photocatalytic activity of low-density polyethylene/BaTiO₃ nanocomposite. **2023**, 276, 125932 0
- 22 Recovering wax from polyethylene waste using C-DPyR. **2023**, 272, 127135 0
- 21 Attachment of potential cultivable primo-colonizing bacteria and its implications on the fate of low-density polyethylene (LDPE) plastics in the marine environment. **2023**, 451, 131124 0
- 20 Emerging hybrid particle-reinforced high-density polyethylene nanocomposite for bone replacement. 0
- 19 On the 3D printing of polypropylene and post-processing optimization of thermomechanical properties. **2023**, 13, 169-176 0
- 18 An optimized acidic digestion for the isolation of microplastics from biota-rich samples and cellulose acetate matrices. **2023**, 322, 121198 0

- 17 Higher number of microplastics in tumoral colon tissues from patients with colorectal adenocarcinoma. **2023**, 21, 639-646 ○
- 16 Polyethylene-biodegrading Microbes and Their Future Directions. ○
- 15 Microplastic abundance, distribution, and characterization in freshwater sediments in Iran: a case study in Kermanshah city. **2023**, 30, 49817-49828 ○
- 14 Massively Parallel Aligned Poly(vinylidene fluoride) Nanofibrils in All-Organic Dielectric Polymer Composite Films for Electric Energy Storage. **2023**, 56, 1481-1491 ○
- 13 A Review of Nanoparticle Material Coatings in Passive Radiative Cooling Systems Including Skylights. **2023**, 16, 1975 ○
- 12 Characterization of the Products of the Catalytic Pyrolysis of Discarded COVID-19 Masks over Sepiolite. **2023**, 13, 3188 ○
- 11 Low-Density Polyethylene Degradation and Energy Yield Using Dielectric Barrier Discharge under Various Electrical Conditions. **2023**, 16, 2403 ○
- 10 The generation of environmentally persistent free radicals on photoaged microbeads from cosmetics enhances the toxicity via oxidative stress. **2023**, 174, 107875 ○
- 9 Isolation and characterization of microplastics from skin care products; interactions with albumin proteins and in-vivo toxicity studies on *Artemia salina*. **2023**, 99, 104112 ○
- 8 Transport of Microplastic and Dispersed Oil Co-contaminants in the Marine Environment. **2023**, 57, 5633-5645 ○
- 7 Biodegradation efficacy of selected marine microalgae against Low-Density Polyethylene (LDPE): An environment friendly green approach. **2023**, 190, 114889 ○
- 6 Evaluation of Eco-Friendly Hemp-Fiber-Reinforced Recycled HDPE Composites. **2023**, 7, 138 ○
- 5 Impact of Proton Irradiation on Medium Density Polyethylene/Carbon Nanocomposites for Space Shielding Applications. **2023**, 13, 1288 ○
- 4 Electrochemical Oxidation and Functionalization of Low-Density Polyethylene. ○
- 3 Synergistic antibacterial effects of *Ulva lactuca* methanolic extract alone and in combination with different antibiotics on multidrug-resistant *Klebsiella pneumoniae* isolate. **2023**, 23, ○
- 2 Microplastics pollution in mud crab (*Scylla* sp.) aquaculture system: First investigation and evidence. **2023**, 121697 ○
- 1 Preparation and alkaline stability of polyethylene composite hydroxide exchange membranes with different cations. **2023**, ○