

# Suprakas Sinha Ray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2397853/publications.pdf>

Version: 2024-02-01

527  
papers

27,929  
citations

11235

73  
h-index

8212

153  
g-index

575  
all docs

575  
docs citations

575  
times ranked

22586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer/layered silicate nanocomposites: a review from preparation to processing. Progress in Polymer Science, 2003, 28, 1539-1641.	11.8	6,062
2	Biodegradable polymers and their layered silicate nanocomposites: In greening the 21st century materials world. Progress in Materials Science, 2005, 50, 962-1079.	16.0	1,417
3	Structure-Property Relationship in Biodegradable Poly(butylene succinate)/Layered Silicate Nanocomposites. Macromolecules, 2003, 36, 2355-2367.	2.2	590
4	New polylactide-layered silicate nanocomposites. 2. Concurrent improvements of material properties, biodegradability and melt rheology. Polymer, 2003, 44, 857-866.	1.8	518
5	New Polylactide/Layered Silicate Nanocomposites. 1. Preparation, Characterization, and Properties. Macromolecules, 2002, 35, 3104-3110.	2.2	475
6	New Polylactide/Layered Silicate Nanocomposites. 3. High-Performance Biodegradable Materials. Chemistry of Materials, 2003, 15, 1456-1465.	3.2	443
7	Poly(lactide)-Layered Silicate Nanocomposite: A Novel Biodegradable Material. Nano Letters, 2002, 2, 1093-1096.	4.5	428
8	Biodegradable Polylactide and Its Nanocomposites: Opening a New Dimension for Plastics and Composites. Macromolecular Rapid Communications, 2003, 24, 815-840.	2.0	416
9	Crystallization Behavior and Morphology of Biodegradable Polylactide/Layered Silicate Nanocomposite. Macromolecules, 2003, 36, 7126-7131.	2.2	399
10	Role of organically modified layered silicate as an active interfacial modifier in immiscible polystyrene/polypropylene blends. Polymer, 2004, 45, 8403-8413.	1.8	399
11	Recent Progress in Synthesis and Evaluation of Polymer-Montmorillonite Nanocomposites. Advances in Polymer Science, 2001, , 167-221.	0.4	393
12	Recent advances in carbon nanomaterial-based adsorbents for water purification. Coordination Chemistry Reviews, 2020, 405, 213111.	9.5	329
13	New polylactide/layered silicate nanocomposites. 5. Designing of materials with desired properties. Polymer, 2003, 44, 6633-6646.	1.8	278
14	Recent progress on natural fiber hybrid composites for advanced applications: A review. EXPRESS Polymer Letters, 2019, 13, 159-198.	1.1	276
15	V-amylose Structural Characteristics, Methods of Preparation, Significance, and Potential Applications. Food Reviews International, 2012, 28, 412-438.	4.3	223
16	Toughening of Biodegradable Polylactide/Poly(butylene succinate-co-adipate) Blends via in Situ Reactive Compatibilization. ACS Applied Materials & Interfaces, 2013, 5, 4266-4276.	4.0	222
17	Preparation and characterization of nano-cellulose with new shape from different precursor. Carbohydrate Polymers, 2013, 98, 562-567.	5.1	215
18	Polylactide-Based Bionanocomposites: A Promising Class of Hybrid Materials. Accounts of Chemical Research, 2012, 45, 1710-1720.	7.6	189

#	ARTICLE	IF	CITATIONS
19	Processing strategies in bionanocomposites. <i>Progress in Polymer Science</i> , 2013, 38, 1543-1589.	11.8	186
20	New Poly(lactide)/Layered Silicate Nanocomposites, 6. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 936-944.	1.7	183
21	Well-Controlled Biodegradable Nanocomposite Foams: From Microcellular to Nanocellular. <i>Macromolecular Rapid Communications</i> , 2003, 24, 457-461.	2.0	182
22	Ultra-high sensitive and selective H <sub>2</sub> gas sensor manifested by interface of nâ€“n heterostructure of CeO <sub>2</sub> -SnO <sub>2</sub> nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 984-995.	4.0	175
23	Control of Biodegradability of Poly(lactide) via Nanocomposite Technology. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 203-208.	1.7	165
24	Synthesis of co-polymer-grafted gum karaya and silica hybrid organicâ€“inorganic hydrogel nanocomposite for the highly effective removal of methylene blue. <i>Chemical Engineering Journal</i> , 2015, 279, 166-179.	6.6	165
25	Effect of Organic Modification on the Compatibilization Efficiency of Clay in an Immiscible Polymer Blend. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1639-1646.	2.0	155
26	New poly(butylene succinate)/layered silicate nanocomposites. II. Effect of organically modified layered silicates on structure, properties, melt rheology, and biodegradability. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 3160-3172.	2.4	154
27	New Poly(lactide)/Layered Silicate Nanocomposite: Nanoscale Control Over Multiple Properties. <i>Macromolecular Rapid Communications</i> , 2002, 23, 943-947.	2.0	153
28	Microwave-assisted synthesis, characterization and antibacterial activity of Ag/ZnO nanoparticles supported bentonite clay. <i>Journal of Hazardous Materials</i> , 2013, 262, 439-446.	6.5	152
29	Selective removal of toxic Cr(VI) from aqueous solution by adsorption combined with reduction at a magnetic nanocomposite surface. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 214-228.	5.0	152
30	Super toughened biodegradable poly(lactide) blends with non-linear copolymer interfacial architecture obtained via facile in-situ reactive compatibilization. <i>Polymer</i> , 2015, 80, 1-17.	1.8	149
31	Recent progress in the structural modification of chitosan for applications in diversified biomedical fields. <i>European Polymer Journal</i> , 2018, 109, 402-434.	2.6	147
32	Top-down synthesis of graphene: A comprehensive review. <i>FlatChem</i> , 2021, 27, 100224.	2.8	143
33	Compatibilization Efficiency of Organoclay in an Immiscible Polycarbonate/Poly(methyl methacrylate) Blend. <i>Macromolecular Rapid Communications</i> , 2005, 26, 450-455.	2.0	142
34	Nitrogen-doped carbon nanotubes as a metal catalyst support. <i>Applied Nanoscience (Switzerland)</i> , 2011, 1, 67-77.	1.6	142
35	Adsorption of methyl violet from aqueous solution using gum xanthan/Fe <sub>3</sub> O <sub>4</sub> based nanocomposite hydrogel. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 1-11.	3.6	141
36	Water-dispersible conducting nanocomposites of polyaniline and poly(N-vinylcarbazole) with nanodimensional zirconium dioxide. <i>Synthetic Metals</i> , 2000, 108, 231-236.	2.1	140

#	ARTICLE	IF	CITATIONS
37	Celluloseâ€“polymerâ€“Ag nanocomposite fibers for antibacterial fabrics/skin scaffolds. Carbohydrate Polymers, 2013, 93, 553-560.	5.1	133
38	Efficient Removal of Pb(II) and Cd(II) from Industrial Mine Water by a Hierarchical MoS <sub>2</sub> /SH-MWCNT Nanocomposite. ACS Omega, 2019, 4, 13922-13935.	1.6	133
39	Structure and Properties of Nanocomposites Based on Poly(butylene succinate-co-adipate) and Organically Modified Montmorillonite. Macromolecular Materials and Engineering, 2005, 290, 759-768.	1.7	127
40	Role of Specific Interfacial Area in Controlling Properties of Immiscible Blends of Biodegradable Polylactide and Poly[(butylene succinate)-co-adipate]. ACS Applied Materials & Interfaces, 2012, 4, 6690-6701.	4.0	125
41	Preparation and antibacterial activity of chitosan-based nanocomposites containing bentonite-supported silver and zinc oxide nanoparticles for water disinfection. Applied Clay Science, 2015, 114, 330-339.	2.6	120
42	Intercalated Polycarbonate/Clay Nanocomposites: Nanostructure Control and Foam Processing. Macromolecular Materials and Engineering, 2003, 288, 543-548.	1.7	119
43	A study on the adsorption of methylene blue onto gum ghatti/TiO <sub>2</sub> nanoparticles-based hydrogel nanocomposite. International Journal of Biological Macromolecules, 2016, 88, 66-80.	3.6	118
44	Shape-Selective Dependence of Room Temperature Ferromagnetism Induced by Hierarchical ZnO Nanostructures. ACS Applied Materials & Interfaces, 2014, 6, 8981-8995.	4.0	117
45	Recent Progress on Nafionâ€“Based Nanocomposite Membranes for Fuel Cell Applications. Macromolecular Materials and Engineering, 2009, 294, 719-738.	1.7	116
46	Recent Progress on the Design and Applications of Polysaccharideâ€“Based Graft Copolymer Hydrogels as Adsorbents for Wastewater Purification. Macromolecular Materials and Engineering, 2016, 301, 496-522.	1.7	114
47	The Adsorption of Pb <sup>2+</sup> and Cu <sup>2+</sup> onto Gum Ghatti-Grafted Poly(acrylamide-co-acrylonitrile) Biodegradable Hydrogel: Isotherms and Kinetic Models. Journal of Physical Chemistry B, 2015, 119, 2026-2039.	1.2	111
48	Achieving Controllable MoS <sub>2</sub> Nanostructures with Increased Interlayer Spacing for Efficient Removal of Pb(II) from Aquatic Systems. ACS Applied Materials & Interfaces, 2019, 11, 19141-19155.	4.0	109
49	Bionanocomposite Hydrogel for the Adsorption of Dye and Reusability of Generated Waste for the Photodegradation of Ciprofloxacin: A Demonstration of the Circularity Concept for Water Purification. ACS Sustainable Chemistry and Engineering, 2018, 6, 17011-17025.	3.2	108
50	Poly(butylene succinate-co-adipate)/montmorillonite nanocomposites: effect of organic modifier miscibility on structure, properties, and viscoelasticity. Polymer, 2005, 46, 12430-12439.	1.8	107
51	Biodegradable Polylactide/Montmorillonite Nanocomposites. Journal of Nanoscience and Nanotechnology, 2003, 3, 503-510.	0.9	106
52	Morphology and properties of organoclay modified polycarbonate/poly(methyl methacrylate) blend. Polymer Engineering and Science, 2006, 46, 1121-1129.	1.5	106
53	Gum karaya based hydrogel nanocomposites for the effective removal of cationic dyes from aqueous solutions. Applied Surface Science, 2016, 364, 917-930.	3.1	106
54	Effect of Nanoclay Loading on the Thermal and Mechanical Properties of Biodegradable Polylactide/Poly[(butylene succinate)-co-adipate] Blend Composites. ACS Applied Materials & Interfaces, 2012, 4, 2395-2405.	4.0	101

#	ARTICLE	IF	CITATIONS
55	Rheology of poly (lactic acid)-based systems. <i>Polymer Reviews</i> , 2019, 59, 465-509.	5.3	101
56	Efficient removal of rhodamine 6G dye from aqueous solution using nickel sulphide incorporated polyacrylamide grafted gum karaya bionanocomposite hydrogel. <i>RSC Advances</i> , 2016, 6, 21929-21939.	1.7	100
57	Thermodynamic properties and adsorption behaviour of hydrogel nanocomposites for cadmium removal from mine effluents. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 151-161.	2.9	99
58	Effective removal of cationic dyes from aqueous solution using gum ghatti-based biodegradable hydrogel. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 8-20.	3.6	97
59	Efficient organic dye removal from wastewater by magnetic carbonaceous adsorbent prepared from corn starch. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7119-7131.	3.3	97
60	Preparation and evaluation of composites from montmorillonite and some heterocyclic polymers. 1: Poly(N-vinylcarbazole)â€montmorillonite nanocomposite system. <i>Polymer</i> , 1998, 39, 6423-6428.	1.8	96
61	Organically Modified Layered Titanate: A New Nanofiller to Improve the Performance of Biodegradable Polylactide. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1359-1364.	2.0	92
62	Poly lactide Based Nanostructured Biomaterials and Their Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2596-2615.	0.9	91
63	Removal of naphthalene from simulated wastewater through adsorption-photodegradation by ZnO/Ag/GO nanocomposite. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 393-404.	2.9	89
64	New Poly(butylene succinate)/Layered Silicate Nanocomposites: Preparation and Mechanical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 171-176.	0.9	88
65	Flocculation and adsorption properties of biodegradable gum-ghatti-grafted poly(acrylamide-co-methacrylic acid) hydrogels. <i>Carbohydrate Polymers</i> , 2015, 115, 617-628.	5.1	88
66	A highly responsive NH <sub>3</sub> sensor based on Pd-loaded ZnO nanoparticles prepared via a chemical precipitation approach. <i>Scientific Reports</i> , 2019, 9, 9881.	1.6	88
67	Occurrence of amyloseâ€lipid complexes in teff and maize starch biphasic pastes. <i>Carbohydrate Polymers</i> , 2012, 90, 616-622.	5.1	86
68	Apoptotic efficacy of multifaceted biosynthesized silver nanoparticles on human adenocarcinoma cells. <i>Scientific Reports</i> , 2018, 8, 14368.	1.6	86
69	Materials Science Challenges in Skin UV Protection: A Review. <i>Photochemistry and Photobiology</i> , 2020, 96, 779-797.	1.3	84
70	Characteristics of point defects on the room temperature ferromagnetic and highly NO <sub>2</sub> selectivity gas sensing of p-type Mn <sub>3</sub> O <sub>4</sub> nanorods. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 92-107.	4.0	82
71	Novel Porous Ceramic Material via Burning of Polylactide/Layered Silicate Nanocomposite. <i>Nano Letters</i> , 2002, 2, 423-425.	4.5	79
72	Synthetic Biopolymers and Their Composites: Advantages and Limitationsâ€An Overview. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100130.	2.0	79

#	ARTICLE	IF	CITATIONS
73	Water dispersible conducting nanocomposites of poly(N-vinylcarbazole), polypyrrole and polyaniline with nanodimensional manganese (IV) oxide. <i>Synthetic Metals</i> , 1999, 105, 99-105.	2.1	78
74	Magnetic carbonyl iron suspension with organoclay additive and its magnetorheological properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 103-109.	2.3	74
75	Modification of gum ghatti via grafting with acrylamide and analysis of its flocculation, adsorption, and biodegradation properties. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 283-294.	3.6	74
76	Thermal and thermomechanical properties of poly[(butylene succinate)-co-adipate] nanocomposite. <i>Polymer Degradation and Stability</i> , 2007, 92, 802-812.	2.7	73
77	The quantitative analysis of nano-clay dispersion in polymer nanocomposites by small angle X-ray scattering combined with electron microscopy. <i>Polymer</i> , 2010, 51, 1437-1449.	1.8	73
78	Preparation and properties of biodegradable films from <i>Sterculia urens</i> short fiber/cellulose green composites. <i>Carbohydrate Polymers</i> , 2013, 93, 622-627.	5.1	73
79	Plastic Pollution: A Perspective on Matters Arising: Challenges and Opportunities. <i>ACS Omega</i> , 2021, 6, 19343-19355.	1.6	73
80	Structure and properties of highly toughened biodegradable polylactide/ZnO biocomposite films. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 428-434.	3.6	71
81	Structure and properties of nanocomposites based on poly(butylene succinate) and organically modified montmorillonite. <i>Journal of Applied Polymer Science</i> , 2006, 102, 777-785.	1.3	70
82	Extraction and Characterization of Natural Cellulose Fibers from Maize Tassel. <i>International Journal of Polymer Analysis and Characterization</i> , 2015, 20, 99-109.	0.9	68
83	Synthesis of Nanomaterials by Continuous-Flow Microfluidics: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1338-1363.	0.9	67
84	Recent Trends in the Microwave-Assisted Synthesis of Metal Oxide Nanoparticles Supported on Carbon Nanotubes and Their Applications. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-15.	1.5	66
85	Selective removal of Cr(VI) from aqueous solution by polypyrrole/2,5-diaminobenzene sulfonic acid composite. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 144-157.	5.0	65
86	Nanocomposites Based on Polyethylene and Polyhedral Oligomeric Silsesquioxanes, 1 “ Microstructure, Thermal and Thermomechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 752-762.	1.7	64
87	Zinc Oxide Epitaxial Thin Film Deposited Over Carbon on Various Substrate by Pulsed Laser Deposition Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5602-5611.	0.9	62
88	Unique isothermal crystallization phenomenon in the ternary blends of biopolymers polylactide and poly[(butylene succinate)-co-adipate] and nano-clay. <i>Polymer</i> , 2012, 53, 505-518.	1.8	62
89	Tuning the Conductivity of Nanocomposites through Nanoparticle Migration and Interface Crossing in Immiscible Polymer Blends: A Review on Fundamental Understanding. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800431.	1.7	62
90	Nanocomposites of PEDOT:PSS with Graphene and its Derivatives for Flexible Electronic Applications: A Review. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000716.	1.7	62

#	ARTICLE	IF	CITATIONS
91	Recent developments in polymeric electrospun nanofibrous membranes for seawater desalination. RSC Advances, 2018, 8, 37915-37938.	1.7	61
92	Polypyrrole-Promoted rGO@MoS <sub>2</sub> Nanocomposites for Enhanced Photocatalytic Conversion of CO <sub>2</sub> and H <sub>2</sub> O to CO, CH <sub>4</sub> , and H <sub>2</sub> Products. ACS Applied Energy Materials, 2020, 3, 9897-9909.	2.5	61
93	MoS <sub>2</sub> Nanosheet/ZnS Composites for the Visible-Light-Assisted Photocatalytic Degradation of Oxytetracycline. ACS Applied Nano Materials, 2021, 4, 4721-4734.	2.4	61
94	Mechanical properties of cellulose nanofibril papers and their bionanocomposites: A review. Carbohydrate Polymers, 2021, 273, 118507.	5.1	60
95	Water-dispersible nanocomposites of polyaniline and montmorillonite. Journal of Applied Polymer Science, 2000, 77, 2948-2956.	1.3	59
96	Recent Trends and Future Outlooks in the Field of Clay-Containing Polymer Nanocomposites. Macromolecular Chemistry and Physics, 2014, 215, 1162-1179.	1.1	59
97	Optical and structural characterization of nickel selenide nanoparticles synthesized by simple methods. Journal of Crystal Growth, 2009, 311, 3924-3932.	0.7	58
98	Morphology and Properties of Polymer Composites Based on Biodegradable Polylactide/Poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td 865-877.	1.7	58
99	Synthesis and flocculation properties of gum ghatti and poly(acrylamide-co-acrylonitrile) based biodegradable hydrogels. Carbohydrate Polymers, 2014, 114, 321-329.	5.1	58
100	Self-Healing Polymeric Composite Material Design, Failure Analysis and Future Outlook: A Review. Polymers, 2017, 9, 535.	2.0	58
101	Dispersion of Multi-Walled Carbon Nanotubes in Biodegradable Poly(butylene succinate) Matrix. Journal of Nanoscience and Nanotechnology, 2006, 6, 2191-2195.	0.9	57
102	Effect of Organoclay on the Morphology and Properties of Poly(propylene)/Poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td 1.7	1.7	57
103	Kinetic models for the release of the anticancer drug doxorubicin from biodegradable polylactide/metal oxide-based hybrids. International Journal of Biological Macromolecules, 2015, 72, 1301-1307.	3.6	57
104	Influence of bases on hydrothermal synthesis of titanate nanostructures. Applied Physics A: Materials Science and Processing, 2009, 94, 963-973.	1.1	56
105	Nano-biocomposites based on synthetic aliphatic polyesters and nanoclay. Progress in Materials Science, 2014, 62, 1-57.	16.0	56
106	An overview of the recent advances in polylactide-based sustainable nanocomposites. Polymer Engineering and Science, 2021, 61, 617-649.	1.5	56
107	A new possibility for microstructural investigation of clay-based polymer nanocomposite by focused ion beam tomography. Polymer, 2010, 51, 3966-3970.	1.8	55
108	Gum ghatti and poly(acrylamide-co-acrylic acid) based biodegradable hydrogel-evaluation of the flocculation and adsorption properties. Polymer Degradation and Stability, 2015, 120, 42-52.	2.7	55

#	ARTICLE	IF	CITATIONS
109	A novel approach to low-temperature synthesis of cubic HfO <sub>2</sub> nanostructures and their cytotoxicity. <i>Scientific Reports</i> , 2017, 7, 9351.	1.6	55
110	Inducing PLA/starch compatibility through butyl-etherification of waxy and high amylose starch. <i>Carbohydrate Polymers</i> , 2014, 112, 216-224.	5.1	54
111	Thiol-modified magnetic polypyrrole nanocomposite: An effective adsorbent for the adsorption of silver ions from aqueous solution and subsequent water disinfection by silver-laden nanocomposite. <i>Chemical Engineering Journal</i> , 2019, 360, 423-434.	6.6	54
112	Influence of nanoparticles and their selective localization on the structure and properties of polylactide-based blend nanocomposites. <i>Composites Part B: Engineering</i> , 2021, 215, 108845.	5.9	54
113	Nanoparticle-Enhanced $\beta$ -Phase Formation in Electroactive PVDF Composites: A Review of Systems for Applications in Energy Harvesting, EMI Shielding, and Membrane Technology. <i>ACS Applied Nano Materials</i> , 2022, 5, 7632-7651.	2.4	53
114	Synthesis and characterization of alginate beads encapsulated zinc oxide nanoparticles for bacteria disinfection in water. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 686-692.	5.0	52
115	Poly( $\epsilon$ -caprolactone) Nanocomposite Scaffolds for Tissue Engineering: A Brief Overview. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 535-545.	0.9	51
116	Designing SnO <sub>2</sub> Nanostructure-Based Sensors with Tailored Selectivity toward Propanol and Ethanol Vapors. <i>ACS Omega</i> , 2019, 4, 13696-13709.	1.6	50
117	Improving methane gas sensing properties of multi-walled carbon nanotubes by vanadium oxide filling. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 11-18.	4.0	49
118	Induced ferromagnetic and gas sensing properties in ZnO-nanostructures by altering defect concentration of oxygen and zinc vacancies. <i>Materials Letters</i> , 2015, 139, 475-479.	1.3	48
119	Preparation and characterization of gum karaya hydrogel nanocomposite flocculant for metal ions removal from mine effluents. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 711-724.	1.8	48
120	Highly Conductive Core-Shell Nanocomposite of Poly(vinylcarbazole)-Polypyrrole with Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1582-1587.	2.0	47
121	Influence of degree of intercalation on the crystal growth kinetics of poly[(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26	2.6	47
122	A new insight into morphological, thermal, and mechanical properties of melt-processed polylactide/poly( $\epsilon$ -caprolactone) Nanocomposites. <i>Polymer Degradation and Stability</i> , 2018, 154, 84-95.	2.7	47
123	Enzymatic degradation behavior of nanoclay reinforced biodegradable PLA/PBSA blend composites. <i>International Journal of Biological Macromolecules</i> , 2015, 77, 131-142.	3.6	46
124	Kinetic release studies of nitrogen-containing bisphosphonate from gum acacia crosslinked hydrogels. <i>International Journal of Biological Macromolecules</i> , 2015, 73, 115-123.	3.6	46
125	Foamability and Special Applications of Microcellular Thermoplastic Polymers: A Review on Recent Advances and Future Direction. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000366.	1.7	46
126	Correlating the magnetism and gas sensing properties of Mn-doped ZnO films enhanced by UV irradiation. <i>RSC Advances</i> , 2016, 6, 26227-26238.	1.7	45



#	ARTICLE	IF	CITATIONS
127	Effect of nanoclay on optical properties of PLA/clay composite films. <i>Polymer Testing</i> , 2014, 36, 24-31.	2.3	44
128	Mechanical, thermal, and fire properties of polylactide/starch blend/clay composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 703-712.	2.0	43
129	Defect-induced magnetism in undoped and Mn-doped wide band gap zinc oxide grown by aerosol spray pyrolysis. <i>Applied Surface Science</i> , 2014, 311, 14-26.	3.1	43
130	Hierarchically Porous Cu-, Co-, and Mn-Doped Platelet-Like ZnO Nanostructures and Their Photocatalytic Performance for Indoor Air Quality Control. <i>ACS Omega</i> , 2019, 4, 16429-16440.	1.6	42
131	Crystallization Behavior of Poly[(butylene succinate)-co-adipate] Nanocomposite. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1207-1219.	1.1	41
132	Thermal properties of poly(ethylene succinate) nanocomposite. <i>Polymer</i> , 2009, 50, 4635-4643.	1.8	41
133	Composite Films of Arabinoxylan and Fibrous Sepiolite: Morphological, Mechanical, and Barrier Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3378-3386.	4.0	40
134	Mechanical, Thermal, and Fire Properties of Biodegradable Polylactide/Boehmite Alumina Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 6083-6091.	1.8	40
135	Morphology, thermal properties and crystallization kinetics of ternary blends of the polylactide and starch biopolymers and nanoclay: The role of nanoclay hydrophobicity. <i>Polymer</i> , 2015, 71, 82-92.	1.8	40
136	Kinetically Controlled Localization of Carbon Nanotubes in Polylactide/Poly(vinylidene fluoride) Blend Nanocomposites and Their Influence on Electromagnetic Interference Shielding, Electrical Conductivity, and Rheological Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19195-19207.	1.5	40
137	Photoluminescence and Hydrogen Gas-Sensing Properties of Titanium Dioxide Nanostructures Synthesized by Hydrothermal Treatments. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1656-1665.	4.0	39
138	Ionic liquid-assisted synthesis of Ag/Ag <sub>2</sub> Te nanocrystals via a hydrothermal route for enhanced photocatalytic performance. <i>New Journal of Chemistry</i> , 2017, 41, 14618-14626.	1.4	39
139	The Distribution of Nanoclay Particles at the Interface and Their Influence on the Microstructure Development and Rheological Properties of Reactively Processed Biodegradable Polylactide/Poly(butylene succinate) Blend Nanocomposites. <i>Polymers</i> , 2017, 9, 350.	2.0	39
140	Parametric Analysis of Electrical Conductivity of Polymer-Composites. <i>Polymers</i> , 2019, 11, 1250.	2.0	39
141	Environmentally friendly polymer nanocomposites. , 2013, , .		39
142	Preparation and evaluation of composites from montmorillonite and some heterocyclic polymers. II. A nanocomposite from N-vinylcarbazole and ferric chloride-impregnated montmorillonite polymerization system. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2971-2976.	1.3	37
143	The effect of different clays on the structure, morphology and degradation behavior of poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 2.6 37	2.6	37
144	Morphology and properties of nanostructured materials based on polypropylene/poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 2.6 36	2.6	36

#	ARTICLE	IF	CITATIONS
145	Temperature-dependent response to C <sub>3</sub> H <sub>7</sub> OH and C <sub>2</sub> H <sub>5</sub> OH vapors induced by deposition of Au nanoparticles on SnO <sub>2</sub> /NiO hollow sphere-based conductometric sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128041.	4.0	36
146	New polylactide/layered silicate nanocomposites, 4. Structure, properties and biodegradability. <i>Composite Interfaces</i> , 2003, 10, 435-450.	1.3	35
147	Purification of Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6187-6207.	0.9	35
148	Structural and optical properties of ZnO nanostructures grown by aerosol spray pyrolysis: Candidates for room temperature methane and hydrogen gas sensing. <i>Applied Surface Science</i> , 2013, 279, 142-149.	3.1	35
149	Properties and Characterization of a PLA-Chitin-Starch Biodegradable Polymer Composite. <i>Polymers</i> , 2019, 11, 1656.	2.0	35
150	Electromagnetic interference cognizance and potential of advanced polymer composites toward electromagnetic interference shielding: A review. <i>Polymer Engineering and Science</i> , 2022, 62, 591-621.	1.5	35
151	Synthesis and characterization of nickel selenide nanoparticles: size and shape determining parameters. <i>Journal of Crystal Growth</i> , 2011, 324, 41-52.	0.7	34
152	Influence of Boehmite Nanoparticle Loading on the Mechanical, Thermal, and Rheological Properties of Biodegradable Polylactide/Poly( $\mu$ -caprolactone) Blends. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 31-47.	1.7	34
153	Are nanoclay-containing polymer composites safe for food packaging applications? An overview. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47214.	1.3	34
154	Rheology of organoclay suspension. <i>Colloid and Polymer Science</i> , 2011, 289, 1119-1125.	1.0	33
155	Morphological development and enhancement of thermal, mechanical, and electronic properties of thermally exfoliated graphene oxide-filled biodegradable polylactide/poly( $\mu$ -caprolactone) blend composites. <i>Polymer</i> , 2018, 139, 188-200.	1.8	33
156	Influence of Nanoclay Localization on Structure-Property Relationships of Polylactide-Based Biodegradable Blend Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800134.	1.7	33
157	Effect of nanofillers characteristics and their selective localization on morphology development and rheological properties of melt-processed polylactide/poly(butylene adipate-terephthalate) blend composites. <i>Polymer Engineering and Science</i> , 2020, 60, 2749-2760.	1.5	33
158	Synthesis methods of borophene, graphene-loaded polypyrrole nanocomposites and their benefits for energy storage applications: A brief overview. <i>FlatChem</i> , 2021, 26, 100211.	2.8	33
159	Polylactide-based Magnetic Spheres as Efficient Carriers for Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22692-22701.	4.0	32
160	Characterization and in vitro release kinetics of antimalarials from whey protein-based hydrogel biocomposites. <i>International Journal of Industrial Chemistry</i> , 2018, 9, 39-52.	3.1	32
161	Cure kinetics, morphology development, and rheology of a high-performance carbon-fiber-reinforced epoxy composite. <i>Composites Part B: Engineering</i> , 2019, 176, 107300.	5.9	32
162	Removal of Congo red from aqueous solution by adsorption using gum ghatti and acrylamide graft copolymer coated with zero valent iron. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 21-30.	3.6	32

#	ARTICLE	IF	CITATIONS
163	Purification of Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3011-3047.	0.9	31
164	Structure and properties of poly (lactic acid)/ <i>Sterculia urens</i> uniaxial fabric biocomposites. <i>Carbohydrate Polymers</i> , 2013, 94, 822-828.	5.1	31
165	Optical Properties of Nanoparticles and Nanocomposites. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-2.	1.5	31
166	Concurrent Enhancement of Multiple Properties in Reactively Processed Nanocomposites of Poly(lactide)/Poly[(butylene succinate)- <i>co</i> -(adipate)] Blend and Organoclay. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 596-608.	1.7	31
167	Hydroxylation of benzene to phenol over magnetic recyclable nanostructured CuFe mixed-oxide catalyst. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 149-157.	4.8	31
168	m-Phenylenediamine-modified polypyrrole as an efficient adsorbent for removal of highly toxic hexavalent chromium in water. <i>Materials Today Communications</i> , 2018, 15, 153-164.	0.9	31
169	Morphology and Thermal Properties of Compatibilized PA12/PP Blends with Boehmite Alumina Nanofiller Inclusions. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 627-638.	1.7	30
170	Efficient room temperature oxidation of cyclohexane over highly active hetero-mixed WO <sub>3</sub> /V <sub>2</sub> O <sub>5</sub> oxide catalyst. <i>Catalysis Communications</i> , 2014, 54, 118-123.	1.6	30
171	Highly efficient inactivation of bacteria found in drinking water using chitosan-bentonite composites: Modelling and breakthrough curve analysis. <i>Water Research</i> , 2017, 111, 213-223.	5.3	30
172	Cellulose Nanostructure-Based Biodegradable Nanocomposite Foams: A Brief Overview on the Recent Advancements and Perspectives. <i>Polymers</i> , 2019, 11, 1270.	2.0	30
173	Thermal Stability, Pyrolysis Behavior, and Fire-Retardant Performance of Melamine Cyanurate/Poly(cyclotriphosphazene- <i>co</i> -4,4'-sulfonyl diphenol) Hybrid Nanosheet-Containing Polyamide 6 Composites. <i>ACS Omega</i> , 2019, 4, 9615-9628.	1.6	30
174	Photocatalytic activity of Gd <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> ·ZnO·CuO nanocomposite used for the degradation of phenanthrene. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	30
175	Heterostructured CeO <sub>2</sub> ·M (M = Co, Cu, Mn, Fe, Ni) Oxide Nanocatalysts for the Visible-Light Photooxidation of Pinene to Aroma Oxygenates. <i>ACS Omega</i> , 2020, 5, 9775-9788.	1.6	30
176	On energy storage capacity of conductive MXene hybrid nanoarchitectures. <i>Journal of Energy Storage</i> , 2022, 45, 103686.	3.9	30
177	Polyaniline-clay composite-containing epoxy coating with enhanced corrosion protection and mechanical properties. <i>Synthetic Metals</i> , 2018, 245, 102-110.	2.1	29
178	Performance of bismuth-based materials for supercapacitor applications: A review. <i>Materials Today Communications</i> , 2020, 25, 101691.	0.9	29
179	Shear-Induced Carbon Nanotube Migration and Morphological Development in Poly(lactide)/Poly(vinylidene fluoride) Blend Nanocomposites and Their Impact on Dielectric Constants and Rheological Properties. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9536-9547.	1.5	29
180	Plastics in municipal drinking water and wastewater treatment plant effluents: challenges and opportunities for South Africa—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12953-12966.	2.7	29

#	ARTICLE	IF	CITATIONS
181	Nanocellulosics: Benign, Sustainable, and Ubiquitous Biomaterials for Water Remediation. ACS Omega, 2021, 6, 4511-4526.	1.6	29
182	Unique morphology of dispersed clay particles in a polymer nanocomposite. Polymer, 2011, 52, 1297-1301.	1.8	28
183	Polystyrene/TiO <sub>2</sub> composite electrospun fibers as fillers for poly(butylene succinate-co-adipate): Structure, morphology and properties. European Polymer Journal, 2014, 50, 78-86.	2.6	28
184	Controlled dual release study of curcumin and a 4-aminquinoline analog from gum acacia containing hydrogels. Journal of Applied Polymer Science, 2015, 132, .	1.3	28
185	The Influence of Blend Ratio on the Morphology, Mechanical, Thermal, and Rheological Properties of PP/LDPE Blends. Macromolecular Materials and Engineering, 2016, 301, 1191-1201.	1.7	28
186	Life cycle assessment of facile microwave-assisted zinc oxide (ZnO) nanostructures. Science of the Total Environment, 2017, 586, 566-575.	3.9	28
187	Thermal, mechanical, and rheological properties of graphite- and graphene oxide- filled biodegradable polylactide/poly( $\epsilon$ -caprolactone) blend composites. Journal of Applied Polymer Science, 2017, 134, 45373.	1.3	28
188	A Colloidal Silica Poly(N-Vinylcarbazole) Nanocomposite Dispersible in Aqueous and Nonaqueous Media. Materials Research Bulletin, 1998, 33, 533-538.	2.7	27
189	The bulk polymerisation of N-vinylcarbazole in the presence of both multi- and single-walled carbon nanotubes: A comparative study. Polymer, 2008, 49, 2857-2865.	1.8	27
190	Carbon Nanotubes Based Nafion Composite Membranes for Fuel Cell Applications. Fuel Cells, 2010, 10, 64-71.	1.5	27
191	Study of morphology and crystal growth behaviour of nanoclay-containing biodegradable polymer blend thin films using atomic force microscopy. Polymer, 2012, 53, 2705-2716.	1.8	27
192	A classification and ranking system on the H <sub>2</sub> gas sensing capabilities of nanomaterials based on proposed coefficients of sensor performance and sensor efficiency equations. Sensors and Actuators B: Chemical, 2013, 184, 170-178.	4.0	27
193	Efficient and Cost-effective Photoelectrochemical Degradation of Dyes in Wastewater over an Exfoliated Graphite-MoO <sub>3</sub> Nanocomposite Electrode. Electroanalysis, 2018, 9, 623-631.	1.5	27
194	A conducting nanocomposite of poly(N-vinylcarbazole) with buckminsterfullerene. Synthetic Metals, 2001, 123, 135-139.	2.1	26
195	Electronic to protonic conduction switching in Cu <sub>2</sub> O nanostructured porous films: the effect of humidity exposure. RSC Advances, 2017, 7, 21703-21712.	1.7	26
196	Sustainable Chemicals: A Brief Survey of the Furans. Chemistry Africa, 2020, 3, 481-496.	1.2	26
197	A combined experimental and theoretical approach to establish the relationship between shear force and clay platelet delamination in melt-processed polypropylene nanocomposites. Polymer, 2014, 55, 2233-2245.	1.8	25
198	The effect of starch amylose content on the morphology and properties of melt-processed butyl-etherified starch/poly[(butylene succinate)-co-adipate] blends. Carbohydrate Polymers, 2017, 155, 89-100.	5.1	25

#	ARTICLE	IF	CITATIONS
199	Thermal Degradation Characteristic and Flame Retardancy of Polylactide-Based Nanobiocomposites. <i>Molecules</i> , 2018, 23, 2648.	1.7	25
200	Visualisation of Nanoclay Dispersion in Polymer Matrix by High-Resolution Electron Microscopy Combined with Electron Tomography. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 281-286.	1.7	24
201	Biodegradation and bioresorption of poly( $\epsilon$ -caprolactone) nanocomposite scaffolds. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 186-192.	3.6	24
202	Improved sensitivity and selectivity of pristine zinc oxide nanostructures to H <sub>2</sub> S gas: Detailed study on the synthesis reaction time. <i>Applied Surface Science</i> , 2016, 386, 210-223.	3.1	24
203	Optical and Morphological Properties of ZnO- and TiO <sub>2</sub> -Derived Nanostructures Synthesized via a Microwave-Assisted Hydrothermal Method. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-6.	1.4	23
204	Thermo-oxidative degradation study of melt-processed polyethylene and its blend with polyamide using time-resolved rheometry. <i>Polymer Degradation and Stability</i> , 2017, 139, 130-137.	2.7	23
205	Influence of functionalized exfoliated reduced graphene oxide nanoparticle localization on mechanical, thermal and electronic properties of nanobiocomposites. <i>European Polymer Journal</i> , 2018, 102, 130-140.	2.6	23
206	Dispersion Characteristics and Properties of Poly(methyl methacrylate)/Multi-Walled Carbon Nanotubes Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2349-2355.	0.9	22
207	A Review on Melt-State Viscoelastic Properties of Polymer Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8421-8449.	0.9	22
208	Development of microbial resistant Carbopol nanocomposite hydrogels via a green process. <i>Biomaterials Science</i> , 2014, 2, 257-263.	2.6	22
209	Pasting properties of hydrothermally treated maize starch with added stearic acid. <i>Food Chemistry</i> , 2019, 289, 396-403.	4.2	22
210	Detailed understanding on the relation of various pH and synthesis reaction times towards a prominent low temperature H <sub>2</sub> S gas sensor based on ZnO nanoplatelets. <i>Results in Physics</i> , 2019, 12, 2189-2201.	2.0	22
211	Enhanced Thermo-Mechanical Stiffness, Thermal Stability, and Fire Retardant Performance of Surface-Modified 2D MoS <sub>2</sub> Nanosheet-Reinforced Polyurethane Composites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800562.	1.7	22
212	Statistical characterization and simulation of graphene-loaded polypyrrole composite electrical conductivity. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15788-15801.	2.6	22
213	Investigation and Modeling of the Electrical Conductivity of Graphene Nanoplatelets-Loaded Doped-Polypyrrole. <i>Polymers</i> , 2021, 13, 1034.	2.0	22
214	Bismuth Molybdate Nanoplates Supported on Reduced Graphene Oxide: An Effective Nanocomposite for the Removal of Naphthalene via Adsorption-Photodegradation. <i>ACS Omega</i> , 2021, 6, 16783-16794.	1.6	22
215	The impact of nanoclay on the crystal growth kinetics and morphology of biodegradable poly(ethylene succinate) composite. <i>Polymer</i> , 2012, 53, 3602-3612.	1.8	21
216	Mechanical properties of uniaxial natural fabric <i>Grewia tilifolia</i> reinforced epoxy based composites: Effects of chemical treatment. <i>Fibers and Polymers</i> , 2014, 15, 1462-1468.	1.1	21

#	ARTICLE	IF	CITATIONS
217	Preparation, characterization and inÂvitro release kinetics of polyaspartamide-based conjugates containing antimalarial and anticancer agents for combination therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 36, 34-45.	1.4	21
218	Influence of Selectively Localised Nanoclay Particles on Non-Isothermal Crystallisation and Degradation Behaviour of PP/LDPE Blend Composites. <i>Polymers</i> , 2018, 10, 245.	2.0	21
219	Microstructure Development and Its Influence on the Properties of Styrene-Ethylene-Butylene-Styrene/Polystyrene Blends. <i>Polymers</i> , 2018, 10, 400.	2.0	21
220	Layered Double Hydroxides for Sustainable Agriculture and Environment: An Overview. <i>ACS Omega</i> , 2022, 7, 20428-20440.	1.6	21
221	Morphology and Electrical Conductivity of Poly( <i>N</i> -vinylcarbazole)/Carbon Nanotubes Nanocomposite Synthesized by Solid State Polymerization. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2224-2229.	2.0	20
222	Development of a high-performance nanostructured V2O5/SnO2 catalyst for efficient benzene hydroxylation. <i>Applied Catalysis A: General</i> , 2015, 492, 10-22.	2.2	20
223	A study on the sensing of NO2 and O2 utilizing ZnO films grown by aerosol spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2015, 162, 628-639.	2.0	20
224	Dynamic rheology and foaming behaviour of styrene-ethylene-butylene-styrene/ polystyrene blends. <i>Journal of Cellular Plastics</i> , 2017, 53, 389-406.	1.2	20
225	Polymer-drug conjugates containing antimalarial drugs and antibiotics. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101171.	1.4	20
226	Correlations between Fibre Diameter, Physical Parameters, and the Mechanical Properties of Randomly Oriented Biobased Polylactide Nanofibres. <i>Fibers and Polymers</i> , 2019, 20, 100-112.	1.1	20
227	Investigation of graphene loaded polypyrrole for lithium-ion battery. <i>Materials Today: Proceedings</i> , 2021, 38, 635-638.	0.9	20
228	Recent progress on 2D metal carbide/nitride (MXene) nanocomposites for lithium-based batteries. <i>FlatChem</i> , 2021, 29, 100281.	2.8	20
229	Orientation-dependent low field magnetic anomalies and room-temperature spintronic material Mn doped ZnO films by aerosol spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2013, 579, 485-494.	2.8	19
230	Isolation and characterisation of nanoparticles from tef and maize starch modified with stearic acid. <i>Carbohydrate Polymers</i> , 2017, 168, 86-93.	5.1	19
231	Adsorption equilibrium isotherms, kinetics and thermodynamics. , 2020, , 101-118.		19
232	Sustainability and Life Cycle Assessment of Thermoplastic Polymers for Packaging: A Review on Fundamental Principles and Applications. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	19
233	Cross-Sectional STEM Observation of Nanoparticle-Attached Silicon Wafer: Specimen Prepared by Focused Ion-Beam. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1518-1522.	0.9	18
234	Mechanism of enhanced tenacity in a polymer nanocomposite studied by small-angle X-ray scattering and electron microscopy. <i>Polymer</i> , 2010, 51, 4860-4866.	1.8	18

#	ARTICLE	IF	CITATIONS
235	Electrospun nylon fibers for the improvement of mechanical properties and for the control of degradation behavior of poly(lactide)-based composites. <i>Journal of Materials Research</i> , 2012, 27, 1399-1409.	1.2	18
236	Preparation and evaluation of quaternary imidazolium-modified montmorillonite for disinfection of drinking water. <i>Applied Clay Science</i> , 2016, 127-128, 95-104.	2.6	18
237	Development of a highly nucleated and dimensionally stable isotactic polypropylene/nanoclay composite using reactive blending. <i>Polymer</i> , 2017, 117, 37-47.	1.8	18
238	Development of TiO <sub>2</sub> -Carbon Composite Acid Catalyst for Dehydration of Fructose to 5-Hydroxymethylfurfural. <i>Catalysts</i> , 2019, 9, 126.	1.6	18
239	Functionalization of 2D MoS <sub>2</sub> Nanosheets with Various Metal and Metal Oxide Nanostructures: Their Properties and Application in Electrochemical Sensors. <i>Biosensors</i> , 2022, 12, 386.	2.3	18
240	Thermal and Rheological Properties of Biodegradable Poly[(butylene succinate)-co-adipate] Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4184-4195.	0.9	17
241	Acetyl salicylic acid-ZnAl layered double hydroxide functional nanohybrid for skin care application. <i>RSC Advances</i> , 2016, 6, 105862-105870.	1.7	17
242	Thermally shocked graphene oxide-containing biocomposite for thermal management applications. <i>RSC Advances</i> , 2017, 7, 33751-33756.	1.7	17
243	Advances in Nanostructured Metal-Encapsulated Porous Organic-Polymer Composites for Catalyzed Organic Chemical Synthesis. <i>Catalysts</i> , 2018, 8, 492.	1.6	17
244	Processing-Driven Morphology Development and Crystallization Behavior of Immiscible Polylactide/Poly(Vinylidene Fluoride) Blends. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800349.	1.7	17
245	Fabrication of Bimetal CuFe <sub>2</sub> O <sub>4</sub> Oxide Redox-Active Nanocatalyst for Oxidation of Pinene to Renewable Aroma Oxygenates. <i>Nanomaterials</i> , 2019, 9, 1140.	1.9	17
246	Polyethylene glycol-gum acacia-based multidrug delivery system for controlled delivery of anticancer drugs. <i>Polymer Bulletin</i> , 2019, 76, 5011-5037.	1.7	17
247	Polypyrrole-coated gum ghatti-grafted poly(acrylamide) composite for the selective removal of hexavalent chromium from waste water. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2851-2860.	3.6	17
248	Use of Pristine Clay Platelets as a Suspension Stabilizer for the Synthesis of Poly(methyl) Tj ETQqO O 0 rgBT /Overlock 10 Tf 50,222 Td (r	1.1	16
249	Morphological and thermal properties of photodegradable biocomposite films. <i>Journal of Applied Polymer Science</i> , 2013, 129, 362-370.	1.3	16
250	The influence of filler surface modification on mechanical and material properties of layered double hydroxide-containing polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45024.	1.3	16
251	Characterization of polypropylene/polystyrene boehmite alumina nanocomposites: Impact of filler surface modification on the mechanical, thermal, and rheological properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46376.	1.3	16
252	Depth filtration of airborne agglomerates using electrospun bio-based polylactide membranes. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 762-772.	3.3	16

#	ARTICLE	IF	CITATIONS
253	Structure-property relationship and nascent applications of thermoelectric PEDOT:PSS/carbon composites: A review. <i>Composites Communications</i> , 2021, 27, 100890.	3.3	16
254	Multi-functioning of CeO <sub>2</sub> -SnO <sub>2</sub> heterostructure as room temperature ferromagnetism and chemiresistive sensors. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164317.	2.8	16
255	Synthesis and evaluation of conducting polypyrrole/Al <sub>2</sub> O <sub>3</sub> nanocomposites in aqueous and non-aqueous medium. <i>Materials Research Bulletin</i> , 2002, 37, 813-824.	2.7	15
256	Polyethylene/Clay Nanocomposites Prepared by Polymerization Compounding Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 530-535.	0.9	15
257	CHAPTER 2. Chitosan-based Nanocomposites. <i>RSC Green Chemistry</i> , 2012, , 33-68.	0.0	15
258	Effect of Boehmite Alumina Nanofiller Incorporation on the Morphology and Thermal Properties of Functionalized Poly(propylene)/Polyamide 12 Blends. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 237-248.	1.7	15
259	Nanosized ruthenium particles decorated carbon nanofibers as active catalysts for the oxidation of p-cymene by molecular oxygen. <i>Journal of Molecular Catalysis A</i> , 2013, 373, 1-11.	4.8	15
260	Crystallization and thermal properties of polylactide/palygorskite composites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	15
261	Hydrogel-Based Biofloculants for the Removal of Organic Pollutants from Biodiesel Wastewater. <i>Journal of Polymers and the Environment</i> , 2017, 25, 844-853.	2.4	15
262	Rheologyâ€“Microstructure Relationships in Melt-Processed Polylactide/Poly(vinylidene Fluoride) Blends. <i>Materials</i> , 2018, 11, 2450.	1.3	15
263	Polymer-Based Membranes and Composites for Safe, Potable, and Usable Water: A Survey of Recent Advances. <i>Chemistry Africa</i> , 2020, 3, 593-608.	1.2	15
264	An investigation of copper oxide-loaded reduced graphene oxide nanocomposite for energy storage applications. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	15
265	Preparation and Properties of Polylactide/Layered Silicate Nanocomposite.. <i>Kobunshi Ronbunshu</i> , 2002, 59, 760-766.	0.2	14
266	Highâ€“Performance Carbon Nanotubeâ€“Reinforced Bioplastic. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 839-846.	1.7	14
267	Synthesis and structural characterization of tungsten trioxide nanoplatelet-containing thin films prepared by Aqueous Chemical Growth. <i>Thin Solid Films</i> , 2012, 522, 164-170.	0.8	14
268	Microwave assisted green synthesis and characterization of silver/montmorillonite heterostructures with improved antimicrobial properties. <i>Applied Clay Science</i> , 2013, 83-84, 315-321.	2.6	14
269	Role of Nanoclay Shape and Surface Characteristics on the Morphology and Thermal Properties of Polystyrene Nanocomposites Synthesized <i>via</i> Emulsion Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 16220-16231.	1.8	14
270	Unique Coldâ€“Crystallization Behavior and Kinetics of Biodegradable Poly[(butylene succinate)â€“co adipate] Nanocomposites: A High Speed Differential Scanning Calorimetry Study. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 939-952.	1.7	14



#	ARTICLE	IF	CITATIONS
271	Blue- and red-shifts of $V_{2O_5}$ phonons in $NH_3$ environment by <i>in situ</i> Raman spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 015106.	1.3	14
272	Synthesis, characterization and <i>in vitro</i> cytotoxicity evaluation of polyamidoamine conjugate containing pamidronate and platinum drug. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 267-273.	1.4	14
273	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized $NiFe_3-xO_4$ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105259.	1.9	14
274	Effects of stearic acid and irradiation alone and in combination on properties of amylose-lipid nanomaterial from high amylose maize starch. <i>Carbohydrate Polymers</i> , 2019, 212, 352-360.	5.1	14
275	Morphological characteristics and thermal, rheological, and mechanical properties of cellulose nanocrystals containing biodegradable poly(lactic acid)/poly( $\mu$ -caprolactone) blend composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48665.	1.3	14
276	Characterization of pre-gelatinized maize starch-zein blend films produced at alkaline pH. <i>Journal of Cereal Science</i> , 2020, 95, 103083.	1.8	14
277	The Role of Two-Step Blending in the Properties of Starch/Chitin/Polylactic Acid Biodegradable Composites for Biomedical Applications. <i>Polymers</i> , 2020, 12, 592.	2.0	14
278	Distribution of nanoclay in a new TPV/nanoclay composite prepared through dynamic vulcanization. <i>Polymer Testing</i> , 2020, 83, 106374.	2.3	14
279	Morphological, Thermal, and Mechanical Properties of Electrospun Recycled Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tt	1.6	14
280	A review on the processing-morphology-property relationship in biodegradable polymer composites containing carbon nanotubes and nanofibers. <i>Polymer Engineering and Science</i> , 2021, 61, 2719-2756.	1.5	14
281	Bamboos: From Bioresource to Sustainable Materials and Chemicals. <i>Sustainability</i> , 2021, 13, 12200.	1.6	14
282	Conventional wet impregnation versus microwave-assisted synthesis of $SnO_2/CNT$ composites. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1093-1099.	0.8	13
283	Nanostructured Zn-Ti layered double hydroxides with reduced photocatalytic activity for sunscreen application. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	13
284	Development, characterization, and <i>in vitro</i> evaluation of water soluble poloxamer/pluronic-mastic gum-gum acacia-based wound dressing. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48728.	1.3	13
285	Properties of thermoplastic maize starch-zein composite films prepared by extrusion process under alkaline conditions. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 443-452.	3.6	13
286	Nafion Titania Nanotubes Nanocomposite Electrolytes for High-Temperature Direct Methanol Fuel Cells. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	12
287	Investigating the Crystal Growth Behavior of Biodegradable Polymer Blend Thin Films Using <i>In Situ</i> Atomic Force Microscopy. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 689-697.	1.7	12
288	Targeted drug delivery potential of hydrogel biocomposites containing partially and thermally reduced graphene oxide and natural polymers prepared via green process. <i>Colloid and Polymer Science</i> , 2015, 293, 409-420.	1.0	12

#	ARTICLE	IF	CITATIONS
289	Effect of the mode of nanoclay inclusion on morphology development and rheological properties of nylon6/ethyl vinyl-alcohol blend composites. <i>Polymer</i> , 2017, 126, 96-108.	1.8	12
290	Synthesis and Functionalization of Nanomaterials. Springer Series in Materials Science, 2018, , 15-55.	0.4	12
291	Electrical resistance control model for polypyrrole-graphene nanocomposite: Energy storage applications. <i>Materials Today Communications</i> , 2021, 26, 101699.	0.9	12
292	Viscoelastic, Thermal, and Mechanical Properties of Melt-Processed Poly ( $\mu$ -Caprolactone) (PCL)/Hydroxyapatite (HAP) Composites. <i>Materials</i> , 2022, 15, 104.	1.3	12
293	Morphological and optical properties of MnS/polyvinylcarbazole hybrid composites. <i>Physica B: Condensed Matter</i> , 2009, 404, 4461-4465.	1.3	11
294	Effect of Alkali Treatment on the Morphology and Tensile Properties of <i>Cordia Dichotoma</i> Fabric/Polycarbonate Composites. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	11
295	An instant photo-excited electrons relaxation on the photo-degradation properties of TiO <sub>2</sub> films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 293, 72-80.	2.0	11
296	Development of a reduced-graphene-oxide based superparamagnetic nanocomposite for the removal of nickel (II) from an aqueous medium via a fluorescence sensor platform. <i>Journal of Colloid and Interface Science</i> , 2015, 454, 69-79.	5.0	11
297	Investigations on Blending and Foaming Behavior of Styrene-Ethylene-Butylene-Styrene/Polystyrene Blends. <i>International Polymer Processing</i> , 2017, 32, 434-445.	0.3	11
298	Layered Double Hydroxide-Based Functional Nanohybrids as Controlled Release Carriers of Pharmaceutically Active Ingredients. <i>Chemical Record</i> , 2018, 18, 913-927.	2.9	11
299	Structure-property relationship in PP/LDPE blend composites: The role of nanoclay localization. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46193.	1.3	11
300	Recent Progress in Modified Polymer-Based PPE in Fight Against COVID-19 and Beyond. <i>ACS Omega</i> , 2021, 6, 28463-28470.	1.6	11
301	Dielectrorheology of Aspect-Ratio-Tailored Carbon Nanotube/Polyethylene Composites under Large Deformations: Implications for High-Temperature Dielectrics. <i>ACS Applied Nano Materials</i> , 2021, 4, 11493-11504.	2.4	11
302	Facile scalable synthesis of graphene oxide and reduced graphene oxide: comparative investigation of different reduction methods. <i>Carbon Letters</i> , 2022, 32, 1031-1046.	3.3	11
303	Recent developments and future perspectives of biorenewable nanocomposites for advanced applications. <i>Nanotechnology Reviews</i> , 2022, 11, 1696-1721.	2.6	11
304	Effect of Organoclay on the Orientation and Thermal Properties of Liquid-Crystalline. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1979-1991.	1.1	10
305	Structure and Morphology Characterization Techniques. , 2013, , 39-66.		10
306	Polymer Nanocomposite Processing, Characterization, and Applications 2013. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-2.	1.5	10

#	ARTICLE	IF	CITATIONS
307	Synthesis and characterization of polyamidoamine conjugates of neridronic acid. <i>Polymer Bulletin</i> , 2015, 72, 417-439.	1.7	10
308	Effect of multiwalled carbon nanotube loading on the properties of Nafion® membranes. <i>Journal of Materials Research</i> , 2015, 30, 66-78.	1.2	10
309	Inorganic layered double hydroxides as a 4-hexyl resorcinol delivery system for topical applications. <i>RSC Advances</i> , 2016, 6, 77709-77716.	1.7	10
310	Synthesis of Porous Organic Polymer-Based Solid-Acid Catalysts for 5-Hydroxymethylfurfural Production from Fructose. <i>Catalysts</i> , 2019, 9, 656.	1.6	10
311	Mechanism of Thermal Degradation-Induced Gel Formation in Polyamide 6/Ethylene Vinyl Alcohol Blend Nanocomposites Studied by Time-Resolved Rheology and Hyphenated Thermogravimetric Analyzer Fourier Transform Infrared Spectroscopy Mass Spectroscopy: Synergistic Role of Nanoparticles and Maleic-anhydride-Grafted Polypropylene. <i>ACS Omega</i> , 2019, 4, 9569-9582.	1.6	10
312	Pathogenesis of Keratinocyte Carcinomas and the Therapeutic Potential of Medicinal Plants and Phytochemicals. <i>Molecules</i> , 2021, 26, 1979.	1.7	10
313	Cannabidiol-Mediated Green Synthesis, Characterization, and Cytotoxicity of Metal Nanoparticles in Human Keratinocyte Cells. <i>ACS Omega</i> , 2021, 6, 29078-29090.	1.6	10
314	Cellulose-Based Sustainable Composites: A Review of Systems for Applications in EMI Shielding and Sensors. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	10
315	Intercalation/Exfoliation Mechanism of Hybrid Formation in Polypropylene/Lamellar Mesostructured Silica Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 523-529.	0.9	9
316	Determination of structural changes of dispersed clay platelets in a polymer blend during solid-state rheological property measurement by small-angle X-ray scattering. <i>Polymer</i> , 2011, 52, 2628-2642.	1.8	9
317	Study of change in dispersion and orientation of clay platelets in a polymer nanocomposite during tensile test by variostage small-angle X-ray scattering. <i>Polymer</i> , 2012, 53, 1747-1759.	1.8	9
318	Characterisation and Thermal Properties of Titanium Dioxide Nanoparticles-Containing Biodegradable Polylactide Composites Synthesized by Sol-Gel Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4269-4277.	0.9	9
319	UV-protection, tribology, and mechanical properties of ZnO-containing polyamide composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48418.	1.3	9
320	Morphology Modulated Photocatalytic Activity of CeO <sub>2</sub> Nanostructures for Selective Oxidation of Biobased Alpha-Pinene to Oxygenates. <i>ChemistrySelect</i> , 2020, 5, 12940-12951.	0.7	9
321	Supramolecular Poly(cyclotriphosphazene) Functionalized Graphene Oxide/Polypropylene Composites with Simultaneously Improved Thermal Stability, Flame Retardancy, and Viscoelastic Properties. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000207.	1.7	9
322	Rheology and foaming behaviour of styrene-ethylene-butylene-styrene nanocomposites. <i>Colloid and Polymer Science</i> , 2021, 299, 481-496.	1.0	9
323	Structural and digestibility properties of infrared heat-moisture treated maize starch complexed with stearic acid. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 559-569.	3.6	9
324	Controlled Two-Step Amine Functionalization of Multi-Walled Carbon Nanotubes for the Preparation of Polylactide/Carbon Nanotubes Composites. <i>Advanced Science Letters</i> , 2010, 3, 117-122.	0.2	9

#	ARTICLE	IF	CITATIONS
325	Fabrication and Model Characterization of the Electrical Conductivity of PVA/PPy/rGO Nanocomposite. <i>Molecules</i> , 2022, 27, 3696.	1.7	9
326	Biodegradable polymer/layered silicate nanocomposites. , 2006, , 57-129.		8
327	Preparation and Characterization of Dysprosium (Dy) Ultrafine Nanocrystalline Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 961-966.	0.9	8
328	Epoxy-based Carbon Nanotubes Reinforced Composites. , 0, , .		8
329	Anomalous impact strength for layered double hydroxide-ε-palmitate/poly(μ-ε-caprolactone) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	8
330	Studies On The Chemical Resistance And Mechanical Properties Of Natural Polyalthia Cerasoides Woven Fabric/glass Hybridized Epoxy Composites Â. <i>Advanced Materials Letters</i> , 2015, 6, 114-119.	0.3	8
331	A noble additive cum compatibilizer for dispersion of nanoclay into ethylene octene elastomer. <i>Applied Clay Science</i> , 2016, 126, 41-49.	2.6	8
332	Processing of Polymer Blends, Emphasizing: Melt Compounding; Influence of Nanoparticles on Blend Morphology and Rheology; Reactive Processing in Ternary Systems; Morphology-Property Relationships; Performance and Application Challenges; and Opportunities and Future Trends. <i>Springer Series in Materials Science</i> , 2018, , 167-197.	0.4	8
333	One-dimensional carbon nanomaterials-based adsorbents. , 2020, , 195-224.		8
334	Electro-Fenton Degradation of Selected Antiretroviral Drugs Using a Low-Cost Iron-Modified Carbon-Cloth Electrode. <i>Electrocatalysis</i> , 2021, 12, 327-339.	1.5	8
335	Granular morphology, molecular structure and thermal stability of infrared heat-moisture treated maize starch with added lipids. <i>Food Chemistry</i> , 2022, 382, 132342.	4.2	8
336	Prospect of DFT Utilization in Polymer-Graphene Composites for Electromagnetic Interference Shielding Application: A Review. <i>Polymers</i> , 2022, 14, 704.	2.0	8
337	Lignin and Keratin-Based Materials in Transient Devices and Disposables: Recent Advances Toward Materials and Environmental Sustainability. <i>ACS Omega</i> , 2022, 7, 10854-10863.	1.6	8
338	Structural Analysis of Liquid Crystal Polymer Based Nanocomposites by X-Ray Scattering. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1632-1639.	1.1	7
339	Effect of Nanoclay Incorporation on the Thermal Properties of Poly(ethylene terephthalate)/Liquid Crystal Polymer Blends. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 822-837.	1.7	7
340	Ab Initio Studies of Vacancies in (8,0) and (8,8) Single-Walled Carbon and Boron Nitride Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7030-7036.	0.9	7
341	A New Series of Two-Ring-Based Side Chain Liquid Crystalline Polymers: Synthesis and Mesophase Characterization. <i>Australian Journal of Chemistry</i> , 2013, 66, 667.	0.5	7
342	Dielectric Properties of Polyaniline-Montmorillonite Clay Hybrids. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1824-1829.	0.9	7

#	ARTICLE	IF	CITATIONS
343	Metal oxide nanostructures-containing organic polymer hybrid solar cells: Optimization of processing parameters on cell performance. <i>Applied Surface Science</i> , 2015, 355, 484-494.	3.1	7
344	Impact of non-ionic surfactant chemical structure on morphology and stability of polystyrene nanocomposite latex. <i>Colloid and Polymer Science</i> , 2016, 294, 157-170.	1.0	7
345	Preferential adsorption of NH <sub>3</sub> gas molecules on MWCNT defect sites probed using <i>in situ</i> Raman spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600930.	0.8	7
346	The Effect of Thyme Oil Low-Density Polyethylene Impregnated Pellets in Polylactic Acid Sachets on Storage Quality of Ready-to-Eat Avocado. <i>Food and Bioprocess Technology</i> , 2018, 11, 141-151.	2.6	7
347	Enzymatic degradation, electronic, and thermal properties of graphite and graphene oxide filled biodegradable polylactide/poly( $\epsilon$ -caprolactone) blend composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47387.	1.3	7
348	Effect of organically modified layered double hydroxides on the properties of poly(lactic acid) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48654.	1.3	7
349	Halogen-Free Flame-Retardant Polymers. <i>Springer Series in Materials Science</i> , 2020, , .	0.4	7
350	Design of Poly(cyclotriphosphazene)-Functionalized Zirconium Phosphate Nanoplatelets To Simultaneously Enhance the Dynamic Mechanical and Flame Retardancy Properties of Polyamide 6. <i>ACS Omega</i> , 2020, 5, 13867-13877.	1.6	7
351	Flow Characteristics, Mechanical, Thermal, and Thermomechanical Properties, and 3D Printability of Biodegradable Polylactide Containing Boehmite at Different Loadings. <i>Polymers</i> , 2021, 13, 2019.	2.0	7
352	Thermal and Rheological Properties of POSS-Containing Poly(methyl methacrylate) Nanocomposites. <i>Advanced Science Letters</i> , 2010, 3, 123-129.	0.2	7
353	Effect of Borophene and Graphene on the Elastic Modulus of PEDOT:PSS Film—A Finite Element Study. <i>Condensed Matter</i> , 2022, 7, 22.	0.8	7
354	Molecular Dynamics Simulation Studies of Structural and Mechanical Properties of Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8083-8087.	0.9	6
355	Clay-containing poly(ethylene terephthalate) (PET)-based polymer nanocomposites. , 2012, , 277-320.		6
356	Ruthenium Supported on Nitrogen-Doped Carbon Nanotubes for the Oxygen Reduction Reaction in Alkaline Media. <i>Fuel Cells</i> , 2012, 12, 862-868.	1.5	6
357	Environmentally friendly polymer nanocomposites using polymer matrices from renewable sources. , 2013, , 89-156.		6
358	Optical constants correlated electrons-spin of micro doughnuts of Mn-doped ZnO films. <i>Applied Surface Science</i> , 2013, 280, 79-88.	3.1	6
359	Techniques for characterizing the structure and properties of polymer nanocomposites. , 2013, , 74-88.		6
360	Tuning the nano/microstructure and properties of melt-processed ternary composites of polypropylene/ethylene vinyl acetate blend and nanoclay: The influence of kinetic and thermodynamic parameters. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45585.	1.3	6

#	ARTICLE	IF	CITATIONS
361	Thermal and rheological properties of polyamide 6/layered double hydroxide clay composites. <i>Polymers and Polymer Composites</i> , 2019, 27, 567-581.	1.0	6
362	Polyamidoamine-Drug Conjugates Containing Metal-Based Anticancer Compounds. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1503-1518.	1.9	6
363	Adsorption in the context of water purification. , 2020, , 67-100.		6
364	Classification of water contaminants. , 2020, , 11-36.		6
365	The effect of expanded graphite/clay nanoparticles on thermal, rheological, and fire-retardant properties of poly(butylene succinate). <i>Polymer Composites</i> , 2021, 42, 6370-6382.	2.3	6
366	Melt-State Viscoelastic Properties of POSS-Containing Polyethylene Nanocomposites. <i>Advanced Science Letters</i> , 2011, 4, 3585-3589.	0.2	6
367	Construction of heterojunctions CeO <sub>2</sub> interfaced Nb, Sn, Ti, Mo and Zn metal oxide catalysts for photocatalytic oxidation of $\alpha$ -pinene inert C-H. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109199.	1.8	6
368	Facile solvent/drying fabrication of PVA/PPy/rGO: A novel nanocomposite for energy storage applications. <i>Results in Materials</i> , 2022, 15, 100295.	0.9	6
369	Viscoelastic Properties of Clay-Containing Nanocomposites of Thermotropic Liquid-Crystal Polymer. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 161-171.	1.1	5
370	The effect of the carbon nanotubes surface oxidation on the morphology and properties of poly(N-vinylcarbazole) coated multi-walled carbon nanotube nanocables. <i>Synthetic Metals</i> , 2009, 159, 1158-1164.	2.1	5
371	A Comparison of Purification Procedures for Multi-Walled Carbon Nanotubes Produced by Chemical Vapour Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5431-5435.	0.9	5
372	Field Emission Characteristics of SnO <sub>2</sub> /CNTs Composites Prepared by Microwave-Assisted Wet Impregnation. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-4.	1.5	5
373	Poly(Butylene Succinate) and Poly[(Butylene Succinate)-co-Adipate] Nanocomposites. <i>Green Energy and Technology</i> , 2012, , 165-218.	0.4	5
374	Dynamic mechanical properties of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 269-294.		5
375	Chemical synthesis, characterization and evaluation of antimicrobial properties of Cu and its oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	5
376	Development of antifungal films based on low-density polyethylene and thyme oil for avocado packaging. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	5
377	Influence of nucleation and growth mechanisms on the heat deflection temperature of a reactively processed polypropylene nanocomposite. <i>Polymer Engineering and Science</i> , 2021, 61, 1195-1208.	1.5	5
378	Computational Study of Graphene-Polypyrrole Composite Electrical Conductivity. <i>Nanomaterials</i> , 2021, 11, 827.	1.9	5

#	ARTICLE	IF	CITATIONS
379	Conducting Nanocomposites of Poly(N-vinylcarbazole) with Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 1728-1734.	0.9	4
380	Bionanohybrid Based on Bioplastic and Surface-Functionalized Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 7976-7980.	0.9	4
381	The Study on the Time Dependency and the Stability of Cobalt Sulphide Nanoparticles Under an Electron Beam. Journal of Nanoscience and Nanotechnology, 2010, 10, 5594-5601.	0.9	4
382	The state of the art proton exchange membrane fuel cells for clean energy. , 2010, , .		4
383	Annealing effect of hybrid solar cells based on poly (3-hexylthiophene) and zinc-oxide nanostructures. Thin Solid Films, 2013, 537, 90-96.	0.8	4
384	Introduction to environmentally friendly polymer nanocomposites. , 2013, , 3-24.		4
385	Viscoelastic and Electrical Properties of Carbon Nanotubes Filled Poly(butylene succinate). International Polymer Processing, 2014, 29, 88-94.	0.3	4
386	Side Chain Liquid Crystalline Polymers: Advances and Applications. , 2015, , 389-415.		4
387	Synthesis and magnetic properties of highly dispersed tantalum carbide nanoparticles decorated on carbon spheres. CrystEngComm, 2016, 18, 1427-1438.	1.3	4
388	Processing Thermoset-Based Nanocomposites. Springer Series in Materials Science, 2018, , 107-137.	0.4	4
389	Physicochemical and in vitro cytotoxicity evaluation of polymeric drugs for combination cancer therapy. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1134-1148.	1.8	4
390	Fundamentals of immiscible polymer blends. , 2020, , 65-80.		4
391	Water purification using various technologies and their advantages and disadvantages. , 2020, , 37-66.		4
392	Carbon nanomaterials: synthesis, functionalization, and properties. , 2020, , 137-179.		4
393	Theoretical analysis of borophene for lithium ion electrode. Materials Today: Proceedings, 2021, 38, 485-489.	0.9	4
394	Comparative study of graphene-polypyrrole and borophene-polypyrrole composites: molecular dynamics modeling approach. Engineering Solid Mechanics, 2021, 9, 311-322.	0.6	4
395	Morphological, thermal, and thermomechanical properties of cellulose nanocrystals reinforced polylactide/poly [(butylene succinate)-co-adipate] blend composite foams. Functional Composite Materials, 2020, 1, .	0.9	4
396	Preparation and Characterization of Polymer/Multi-Walled Carbon Nanotube Nanocomposites. Solid State Phenomena, 2008, 140, 97-102.	0.3	3

#	ARTICLE	IF	CITATIONS
397	Effect of Oxygen Doping on Electrical Properties of Small Radius (2, 1) Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 4234-4239.	0.9	3
398	DFT Studies of Low Concentration Substitutional Doping of Transition-Metals on Single-Walled Carbon Nanotube Surface. Journal of Nanoscience and Nanotechnology, 2010, 10, 8180-8184.	0.9	3
399	Synthesis of Co <sub>3</sub> O <sub>4</sub> /Poly(N-vinylcarbazole) Core/Shell Composite With Enhanced Optical Property. Macromolecular Materials and Engineering, 2010, 295, 153-158.	1.7	3
400	Morphological, Dielectric and Electrical Conductivity Characteristics of Clay-Containing Nanohybrids of Poly(N-Vinyl Carbazole) and Polypyrrole. Journal of Nanoscience and Nanotechnology, 2012, 12, 7841-7848.	0.9	3
401	Effect of Nanoclay on the Nonisothermal Crystallization of Poly(propylene) and its Blend with Poly[(butylene succinate)-co-adipate]. Molecular Crystals and Liquid Crystals, 2012, 556, 176-190.	0.4	3
402	Tin dioxide nano-wire device for sensing kinetics of acetone and ethanol towards diabetes monitoring. , 2013, , .		3
403	Barrier Properties. , 2013, , 227-241.		3
404	Development of silver and zinc oxide decorated nanoclay containing polymeric composites for water disinfection applications. AIP Conference Proceedings, 2015, , .	0.3	3
405	Morphology and thermal properties of recycled polyacrylonitrile fiber blends with poly(ethylene Tj ETQq1 1 0.784314 rgBT /Qverlock 1.3		3
406	Interface structural effect of ruthenium-cerium oxide nanocomposite on its catalytic activity for selective oxidation of bioterpenes-derived p-cymene. Journal of Molecular Catalysis A, 2016, 418-419, 19-29.	4.8	3
407	Impact of Melt-Processing Strategy on Structural and Mechanical Properties: Clay-Containing Polypropylene Nanocomposites. Springer Series in Materials Science, 2018, , 127-154.	0.4	3
408	Electrospun Polymer Nanocomposites. Springer Series in Materials Science, 2018, , 199-229.	0.4	3
409	Effect of reaction parameters on the adsorption. , 2020, , 119-135.		3
410	Synthesis and Application of MnO <sub>2</sub> /Exfoliated Graphite Electrodes for Enhanced Photoelectrochemical Degradation of Methylene Blue and Congo Red Dyes in Water. Electrocatalysis, 2020, 11, 413-421.	1.5	3
411	Effect of mixing conditions (dynamic process). , 2020, , 107-142.		3
412	Synthesis and characterization of gold nanoparticles biosynthesised from Aspalathus linearis (Burm.f.) R.Dahlgren For progressive macular hypomelanosis. Journal of Herbal Medicine, 2021, 29, 100481.	1.0	3
413	The effect of electrically conducting carbon materials on the conductivity and morphology of poly(vinyl butyral) and chitosan blend composite for application in anti-corrosive coatings. Synthetic Metals, 2021, 281, 116914.	2.1	3
414	Synthesis, characterization and the release kinetics of antiproliferative agents from polyamidoamine conjugates. Journal of Microencapsulation, 2015, 32, 432-42.	1.2	3



#	ARTICLE	IF	CITATIONS
415	A Facile Route for the Synthesis of Poly(N-vinylcarbazole)/Manganese Sulphide Quantum Dots Nanocomposites with Enhanced Optical Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 6031-6037.	0.9	2
416	Synthesis of Titania Nanostructures and their Application as Catalyst Supports for Hydrogenation and Oxidation Reactions. Solid State Phenomena, 2008, 140, 61-68.	0.3	2
417	Purification of Laser Synthesized SWCNTs by Different Methods: A Comparative Study. Journal of Nanoscience and Nanotechnology, 2008, 8, 6023-6030.	0.9	2
418	The use of calcination in exposing the entrapped Fe particles from multi-walled carbon nanotubes grown by chemical vapour deposition. Applied Physics A: Materials Science and Processing, 2009, 94, 585-591.	1.1	2
419	CoS-Carbon Nanotube Heterostructure: One-Step Synthesis and Optical Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 4279-4285.	0.9	2
420	Polymer Nanocomposite Processing, Characterization, and Applications 2012. Journal of Nanomaterials, 2012, 2012, 1-1.	1.5	2
421	First Principles Studies of Extrinsic and Intrinsic Defects in Boron Nitride Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 7807-7814.	0.9	2
422	Tensile properties of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 225-268.		2
423	An Overview of Pure and Organically Modified Clays. , 2013, , 1-24.		2
424	Thermal Stability. , 2013, , 243-261.		2
425	Environmentally friendly polymer matrices for composites. , 2013, , 25-40.		2
426	Thermal stability and flammability of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 295-327.		2
427	Catalytic Activity and Structure Properties of Doped VOHPO <sub>4</sub> ·0.5H <sub>2</sub> O with Nanosized Ru, Au, Fe and Mn in Benzene Hydroxylation. Journal of Nanoscience and Nanotechnology, 2013, 13, 5053-5060.	0.9	2
428	Role of Organoclay in Controlling the Morphology and Crystal Growth Behavior of Biodegradable Polymer Blend Thin Films Studied Using Atomic Force Microscopy. Macromolecular Materials and Engineering, 2014, 299, 1106-1115.	1.7	2
429	Polyethylene Terephthalate-Based Blends: Natural Rubber and Synthetic Rubber. , 2015, , 75-98.		2
430	Multifunctional Nanobiocomposite of Poly[(butylenes succinate)-co-adipate] and Clay. Journal of Nanoscience and Nanotechnology, 2015, 15, 2446-2450.	0.9	2
431	Multifunctional nanobiocomposites of biodegradable polylactide and nanoclay. , 2015, , 144-212.		2
432	Crystallization and Morphological Changes in Nanostructured Polymer Blends. , 2016, , 287-312.		2

#	ARTICLE	IF	CITATIONS
433	Applications of Nanoclay-Containing Polymer Nanocomposites. Nanostructure Science and Technology, 2017, , 501-521.	0.1	2
434	Gum acacia polysaccharide-based pH sensitive gels for targeted delivery of neridronate. Polymer Bulletin, 2017, 74, 2641-2655.	1.7	2
435	Synthesis and mesophase characterization of methacrylate based three phenyl ring core side chain liquid crystalline copolymers. Journal of Molecular Liquids, 2018, 259, 416-423.	2.3	2
436	Introduction to Nanomaterials and Polymer Nanocomposite Processing. Springer Series in Materials Science, 2018, , 1-14.	0.4	2
437	Structural Characterization of Polymer Nanocomposites. Springer Series in Materials Science, 2018, , 87-126.	0.4	2
438	Two-dimensional carbon nanomaterials-based adsorbents. , 2020, , 225-273.		2
439	Fundamental definition and importance of nanomaterials, nanostructured, and bulk nanostructured materials. , 2020, , 15-28.		2
440	Iron Sulfide Functionalized Polyaniline Nanocomposite for the Removal of Eosin Y from Water: Equilibrium and Kinetic Studies. Polymer Science - Series B, 2021, 63, 304-313.	0.3	2
441	Nanocellulose-Graphene Oxide-Based Nanocomposite for Adsorptive Water Treatment. Springer Series in Materials Science, 2022, , 1-53.	0.4	2
442	Sustainable Macromolecular Materials and Engineering. Macromolecular Materials and Engineering, 2022, 307, .	1.7	2
443	Morphology and Properties of Core-Shell Nanocomposites of Poly(N-vinylcarbazole) with Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 5223-5230.	0.9	1
444	Nanoscience and Nanotechnology in South Africa. South African Journal of Science, 2010, 105, .	0.3	1
445	Dielectric properties of polycarbonate coated natural fabric Grewia tilifolia. , 2011, , .		1
446	Vacancy Complexes in Carbon and Boron Nitride Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 7796-7806.	0.9	1
447	Defect Complexes in Carbon and Boron Nitride Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 7021-7029.	0.9	1
448	Novel inorganic hydrogels for biomedical applications. , 2013, , .		1
449	Thermodynamics, Molecular Modeling, and Kinetics of Nanocomposite Formation. , 2013, , 25-37.		1
450	Melt-State Rheology. , 2013, , 305-350.		1

#	ARTICLE	IF	CITATIONS
451	Barrier properties of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 328-345.		1
452	Electrical and thermal conductivity of environmentally friendly polymer nanocomposites (EFPNCs) using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 450-464.		1
453	Applications, environmental impact and future development of environmentally friendly polymer nanocomposites (EFPNCs). , 2013, , 467-477.		1
454	Tailoring the mechanical properties of SU-8/clay nanocomposites: polymer microcantilever fabrication perspective. , 2014, , .		1
455	Fabrication of polylactide nanocomposite scaffolds for bone tissue engineering applications. AIP Conference Proceedings, 2015, , .	0.3	1
456	Rubber Nanocomposites: Processing, Structureâ€“Property Relationships, Applications, Challenges, and Future Trends. Springer Series in Materials Science, 2018, , 75-106.	0.4	1
457	Effects associated with constituents. , 2020, , 143-159.		1
458	Regeneration and recyclability of carbon nanomaterials after adsorption. , 2020, , 349-363.		1
459	Conducting polymer-functionalized carbon nanomaterials-based adsorbents. , 2020, , 327-340.		1
460	Migration vs. properties including the hybrid effect. , 2020, , 161-208.		1
461	Overview of nanoparticles and their surface modification. , 2020, , 29-64.		1
462	The science behind foaming. , 2022, , 37-78.		1
463	Introduction to polymer foams and foaming. , 2022, , 1-16.		1
464	Types of Flame Retardants Used for the Synthesis of Flame-Retardant Polymers. Springer Series in Materials Science, 2020, , 15-45.	0.4	1
465	Mechanical, Barrier and Antimicrobial Properties of Biodegradable Poly( $\epsilon$ -caprolactone) Nanocomposites. Advanced Science, Engineering and Medicine, 2015, 7, 351-360.	0.3	1
466	The modified logistic model for polymer-composites electrical conductivity prediction. AIP Conference Proceedings, 2020, , .	0.3	1
467	Fundamentals of polymer blend technology. , 2022, , 79-125.		1
468	Synthesis, properties, advantages, and challenges of bio-based and biodegradable polymers used for the preparation of blends with polylactide. , 2022, , 51-78.		1

#	ARTICLE	IF	CITATIONS
469	Effect of boehmite alumina nanoparticles on the physical and chemical characteristics of eco-friendly sodium alginate/polyvinyl alcohol bio-nanocomposite film. International Journal of Polymer Analysis and Characterization, 2022, 27, 236-251.	0.9	1
470	Macromol. Mater. Eng. 6/2007. Macromolecular Materials and Engineering, 2007, 292, 792-792.	1.7	0
471	Nanomagnetism. Journal of Nanoscience and Nanotechnology, 2008, 8, 2729-2730.	0.9	0
472	Macromol. Chem. Phys. 13-14/2009. Macromolecular Chemistry and Physics, 2009, 210, NA-NA.	1.1	0
473	Environmentally friendly nanofillers as reinforcements for composites. , 2013, , 41-73.		0
474	Concluding Remarks and Future Outlook. , 2013, , 375-379.		0
475	Real and Potential Applications. , 2013, , 369-373.		0
476	Foam Processing. , 2013, , 351-367.		0
477	Crystallization Behavior, Morphology, and Kinetics. , 2013, , 273-303.		0
478	Fire-Retardant Properties. , 2013, , 263-271.		0
479	Processing and Characterization. , 2013, , 67-170.		0
480	Crystallization behavior, kinetics and morphology of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 346-384.		0
481	Biodegradation behavior of environmentally friendly polymer nanocomposites using biodegradable polymer matrices and clay/carbon (CNT) reinforcements. , 2013, , 385-414.		0
482	Rheological properties of environmentally friendly polymer nanocomposites (EFPNCs) using biodegradable polymer matrices and clay/carbon nanotube (CNT) reinforcements. , 2013, , 415-449.		0
483	Environmentally friendly polymer nanocomposites using polymer matrices from fossil fuel sources. , 2013, , 157-207.		0
484	Processing of environmentally friendly polymer nanocomposite foams for packaging and other applications. , 2013, , 208-221.		0
485	<I>A Special Section on</I> Nano-Catalysis. Journal of Nanoscience and Nanotechnology, 2013, 13, 4759-4760.	0.9	0
486	Synthesis and characterization of polylactide/doxorubicin/magnetic nanoparticles composites for drug delivery. AIP Conference Proceedings, 2015, , .	0.3	0

#	ARTICLE	IF	CITATIONS
487	Viscoelastic Properties of Poly[(butylenes succinate)-co-adipate] Nanocomposites. Journal of Nanoscience and Nanotechnology, 2015, 15, 2312-2316.	0.9	0
488	Macromol. Mater. Eng. 10/2016. Macromolecular Materials and Engineering, 2016, 301, 1280-1280.	1.7	0
489	Influence of Silica Size on Properties of Poly[(Butylene Succinate)-Co-Adipate]/Butyl-etherified High-Amylose Starch Blend Composites. Starch/Staerke, 2018, 70, 1700181.	1.1	0
490	Processing Nanocomposites Based on Commodity Polymers. Springer Series in Materials Science, 2018, , 1-25.	0.4	0
491	A Brief Overview of Layered Silicates and Polymer/Layered Silicate Nanocomposite Formation. Springer Series in Materials Science, 2018, , 57-86.	0.4	0
492	Processing Nanocomposites Based on Engineering Polymers: Polyamides and Polyimides. Springer Series in Materials Science, 2018, , 27-73.	0.4	0
493	Processing of Sustainable Polymer Nanocomposites. Springer Series in Materials Science, 2018, , 139-165.	0.4	0
494	Processing techniques and structural and morphological characterization. , 2020, , 81-98.		0
495	Zero-dimensional carbon nanomaterials-based adsorbents. , 2020, , 181-193.		0
496	Multifunctional three-dimensional carbon nanomaterials-based adsorbents. , 2020, , 275-296.		0
497	Biopolymer-functionalized carbon nanomaterials-based adsorbents. , 2020, , 297-326.		0
498	Carbon-based nano/micromotors for adsorption. , 2020, , 341-347.		0
499	Toxicity of carbon nanomaterials. , 2020, , 365-385.		0
500	Outlook and future research, development, and innovation directions. , 2020, , 387-392.		0
501	Foamability of multiphase polymeric materials. , 2022, , 177-208.		0
502	Foam manufacturing technologies. , 2022, , 17-35.		0
503	Degradation studies of biodegradable foams. , 2022, , 243-265.		0
504	Foamability of thermoplastics. , 2022, , 79-175.		0

#	ARTICLE	IF	CITATIONS
505	Nanoclay minerals and plastics: tiny particles deliver big impact. Journal of Nanomedicine & Nanotechnology, 2016, 07, .	1.1	0
506	Flame-Retardant Polyurethanes. Springer Series in Materials Science, 2020, , 47-67.	0.4	0
507	Melt-Dripping and Char Formation. Springer Series in Materials Science, 2020, , 69-82.	0.4	0
508	Polymer Nanocomposites for Fire Retardant Applications. Springer Series in Materials Science, 2020, , 83-109.	0.4	0
509	Synthesis and Fabrication of Photoactive Nanocomposites Electrodes for the Degradation of Wastewater Pollutants. Engineering Materials, 2020, , 19-38.	0.3	0
510	Melt-State Viscoelastic Properties of Clay-Containing Polymer Nanocomposites. , 0, , 75-118.		0
511	Application of Surface-Modified Electrode Materials in Wastewater Treatment. Engineering Materials, 2022, , 107-119.	0.3	0
512	A special issue on polymer nanocomposites. Journal of Nanoscience and Nanotechnology, 2008, 8, 1557-8.	0.9	0
513	Thermal and thermomechanical properties of poly(butylene succinate) nanocomposites. Journal of Nanoscience and Nanotechnology, 2008, 8, 1679-89.	0.9	0
514	Conducting nanocomposites of poly(N-vinylcarbazole) with single-walled carbon nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 1728-34.	0.9	0
515	Nonisothermal crystallization kinetics of poly(ethylene terephthalate) nanocomposites. Journal of Nanoscience and Nanotechnology, 2008, 8, 1812-22.	0.9	0
516	Purification of laser synthesized SWCNTs by different methods: a comparative study. Journal of Nanoscience and Nanotechnology, 2008, 8, 6023-30.	0.9	0
517	Science and technology of polylactide. , 2022, , 31-49.		0
518	Polylactide/poly(butylene succinate) blends. , 2022, , 329-351.		0
519	Mechanical models for polymer blends. , 2022, , 179-186.		0
520	Polylactide/starch blends. , 2022, , 229-249.		0
521	Market, current and future applications. , 2022, , 413-421.		0
522	Polylactide/poly[(butylene succinate)-co-adipate] blends. , 2022, , 353-373.		0

#	ARTICLE	IF	CITATIONS
523	Techniques for structural and morphological characterization of polymer blends. , 2022, , 139-177.		0
524	Terminology and dimensions of sustainability, life cycle assessment, and characteristics of sustainable polymer materials. , 2022, , 17-29.		0
525	Conclusions, challenges, and future outlook. , 2022, , 423-427.		0
526	Processing technologies for polylactide-based blends. , 2022, , 127-138.		0
527	Biorenewables: Properties and Functions in Materials Application. ACS Symposium Series, 0, , 129-161.	0.5	0