

CITATION REPORT

List of articles citing

Effect of different clay treatment on morphology and mechanical properties of PVC-clay nanocomposites

DOI: 10.1016/s0142-9418(02)00126-5
Polymer Testing, 2003, 22, 453-461.

Source: <https://exaly.com/paper-pdf/35132442/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
217	Breaking the Nanoparticle LoadingDispersion Dichotomy in Polymer Nanocomposites with the Art of CroissantMaking.		
216	Corrosive Effect of Different Media on PolyVinyl Chloride Pipes. 2004 , 43, 1265-1275		3
215	Polyvinyl chloride/ montmorillonite nanocomposites. 2004 , 78, 91-99		52
214	Development of EVOH-kaolinite nanocomposites. 2004 , 45, 5233-5238		137
213	Enhancement of the thermal stability, mechanical properties and morphologies of recycled PVC/clay nanocomposites. <i>Polymer Bulletin</i> , 2004 , 52, 373-380	2.4	38
212	Clay/polymer composites: the story. 2004 , 7, 50-55		247
211	Effect of nano-CaCO ₃ on mechanical properties of PVC and PVC/Blendex blend. <i>Polymer Testing</i> , 2004 , 23, 169-174	4.5	119
210	Morphology and fracture behavior of toughening-modified poly(vinyl chloride)/organophilic montmorillonite composites. 2004 , 42, 286-295		19
209	Processing thermal stability and degradation kinetics of poly(vinyl chloride)/montmorillonite composites. 2004 , 92, 1521-1526		28
208	Morphology and properties of PVC/clay nanocomposites via in situ emulsion polymerization. 2004 , 94, 277-286		55
207	Recycled poly(ethylene terephthalate)/layered silicate nanocomposites: morphology and tensile mechanical properties. 2004 , 45, 2751-2759		127
206	Effect of alkyl quaternary ammonium on processing discoloration of melt-intercalated PVC-montmorillonite composites. <i>Polymer Testing</i> , 2004 , 23, 299-306	4.5	64
205	Particle configuration and mechanical properties of poly(vinyl chloride)/montmorillonite nanocomposites via in situ suspension polymerization. <i>Polymer Testing</i> , 2004 , 23, 847-853	4.5	43
204	An overview on the degradability of polymer nanocomposites. 2005 , 88, 234-250		453
203	Preparation, characterization and properties of poly (vinyl chloride)/compatibilizer/organophilic-montmorillonite nanocomposites by melt intercalation. <i>Polymer Testing</i> , 2005 , 24, 316-323	4.5	68
202	Spinning and properties of poly(ethylene terephthalate)/organomontmorillonite nanocomposite fibers. 2005 , 95, 1443-1447		50
201	Synthesis, Morphology, and Viscoelastic Properties of Polyhedral Oligomeric Silsesquioxane Nanocomposites with Epoxy and Cyanate Ester Matrices. 2005 , 15, 541-553		35

200	Preparation and characterization of rigid poly (vinyl chloride)/MMT nanocomposites. 2005 , 43, 1465-1474	40
199	CO2 sorption and diffusion in polymethyl methacrylate/clay nanocomposites. 2005 , 45, 904-914	45
198	Synthesis, morphology, and viscoelastic properties of cyanate ester/polyhedral oligomeric silsesquioxane nanocomposites. 2005 , 43, 3887-3898	81
197	Preparation and Characterization of Ni ²⁺ -Montmorillonite/Polyvinyl Alcohol Water-Soluble Nanocomposite Film. 2005 , 13, 839-846	6
196	Polypropylene/Ethylene-Octene Copolymer/Organic-Montmorillonite Nanocomposites. 2005 , 13, 173-180	4
195	Chemically Functionalized Clay Vinyl Ester Nanocomposites II - Vernonia Oil-based Surfactant. 2005 , 24, 5-20	3
194	Improving packaged food quality and safety. Part 2: nanocomposites. 2005 , 22, 994-8	161
193	Microporous polyvinyl chloride: novel reactor for PVC/CaCO ₃ nanocomposites. 2005 , 16, 1787-1792	25
192	Surface characteristics of layered silicates: Influence on the properties of clay/polymer nanocomposites. 2006 , 22, 7848-54	83
191	Effect of Nanoclay on the Mechanical Properties of PMMA/Clay Nanocomposite Foams. 2006 , 42, 325-342	81
190	Nanocompósitos de Poli(Cloreto de Vinila) (PVC)/argilas organofílicas. 2006 , 16, 257-262	23
189	Constitutive modeling for intercalated PMMA/clay nanocomposite foams. 2006 , 46, 1787-1796	15
188	Effects of microscale calcium carbonate and nanoscale calcium carbonate on the fusion, thermal, and mechanical characterizations of rigid poly(vinyl chloride)/calcium carbonate composites. 2006 , 44, 451-460	57
187	Preparation and characterization of rigid poly(vinyl chloride)/MMT nanocomposites. II. XRD, morphological and mechanical characteristics. 2006 , 44, 2145-2154	25
186	Poly(vinyl chloride)/clay nanocomposites: X-ray diffraction, thermal and rheological behaviour. 2006 , 91, 1855-1860	60
185	Poly(vinyl chloride)-paste/clay nanocomposites: Investigation of thermal and morphological characteristics. 2006 , 91, 3322-3329	50
184	Properties of poly(vinyl chloride)/wood flour/montmorillonite composites: Effects of coupling agents and layered silicate. 2006 , 91, 2874-2883	110
183	Recent advances in understanding the structure and reactivity of clays using electronic structure calculations. 2006 , 762, 33-48	70

182	Preparation and mechanical properties of solid-phase grafting nanocomposites of PVC/graft copolymers/MMT. 2006 , 21, 5-8	10
181	Physical properties of natural rubber/organoclay nanocomposites compatibilized with epoxidized natural rubber. 2006 , 100, 1083-1092	80
180	Preparation and characterization of poly(vinyl chloride)/layered double hydroxides nanocomposite via in situ suspension polymerization. 2006 , 102, 1471-1477	44
179	Thermoplastic starch/layered silicate composites: structure, interaction, properties. 2006 , 13, 1-17	47
178	Flame Retardancy of Thermoplastic Polyurethane and Polyvinyl Chloride by Organoclays. 2007 , 25, 65-78	26
177	Relaxation in poly-(ethylene terephthalate glycol)/montmorillonite nanocomposites studied by dielectric methods. 2007 , 353, 4334-4338	25
176	Natural biopolymer-based nanocomposite films for packaging applications. 2007 , 47, 411-33	546
175	Improvement in Food Packaging Industry with Biobased Nanocomposites. 2007 , 3,	41
174	Mechanical and heat deflection properties of PVC/PMMA/montmorillonite composites. 2007 , 13, 91-97	11
173	Enhancement of the mechanical performance of poly(vinyl chloride) using poly(n-butyl methacrylate)-grafted multi-walled carbon nanotubes. 2007 , 18, 375704	38
172	Flame Retardancy of Tpu and Pvc Nanocomposites. 2007 , 34, 1-8	
171	Evaluation of the Degree of Exfoliation in Poly(Ecaprolactone)/Organoclay Nanocomposites Based on Viscoelastic Relaxation. 2007 , 292, 627-633	12
170	Polymer/montmorillonite nanocomposites with improved thermal properties. 2007 , 453, 75-96	491
169	Polymer/montmorillonite nanocomposites with improved thermal properties: Part II. Thermal stability of montmorillonite nanocomposites based on different polymeric matrixes. 2007 , 454, 1-22	233
168	Factors and processes influencing the reinforcing effect of layered silicates in polymer nanocomposites. 2007 , 43, 345-359	97
167	Development of new polyolefin films with nanoclays for application in food packaging. 2007 , 43, 2229-2243	145
166	Application of thermal analysis methods for characterization of polymer/montmorillonite nanocomposites. 2008 , 93, 677-687	107
165	Preparation and characterization of vinylidene chloride-co-vinyl chloride copolymer/fluorinated synthetic mica nanocomposites I thermal and mechanical properties studies. 2008 , 46, 1214-1225	4

164	Microstructure and dynamic mechanical analysis of extruded layered silicate PVC nanocomposites. 2008 , 19, 1168-1176		33
163	Studies on morphologies and thermal properties of poly(lactic acid)/polycaprolactone/organic-modified montmorillonite nanocomposites. 2008 , 29, 1145-1151		18
162	PMMA-grafted-silica/PVC nanocomposites: Mechanical performance and barrier properties. 2008 , 108, 2189-2196		60
161	Influence of surface modification on the dispersion of nanoscale Al_2O_3 particles in a thermoplastic polyurethane matrix. 2008 , 110, 237-243		16
160	Synthesis of core-shell PMMA- SiO_2 nanoparticles with suspension dispersion polymerization in an aqueous system and its effect on mechanical properties of PVC composites. <i>Polymer Testing</i> , 2008 , 27, 540-547	4-5	67
159	Structure and properties of nanocomposites with a poly(trimethylene terephthalate) matrix. 2008 , 44, 1686-1695		25
158	Effect of flexibility of grafted polymer on the morphology and property of nanosilica/PVC composites. 2008 , 254, 3745-3752		57
157	Application of inorganic compounds at the thermal processing of polyvinylchloride. 2008 , 81, 1673-1685		10
156	Applications and implications of nanotechnologies for the food sector. 2008 , 25, 241-58		837
155	Influence of Organoclay Prepared by Solid State Method on the Morphology and Properties of Polyvinyl Chloride/Organoclay Nanocomposites. 2008 , 40, 223-235		14
154	Modeling the Effect of Strain Rate on the Mechanical Properties of HDPE/Clay Nanocomposite Foams. 2008 , 16, 561-575		2
153	Caracterizaço estrutural de argilas bentonicas nacional e importada: antes e aps o processo de organofilizaço para utilizaço como nanocargas. 2008 , 54, 303-308		12
152	Preparation and characterization of Al_2O_3 /nylon 6 nanocomposite masterbatches. 2009 , 112, 1063-1069		7
151	Preparation and characterization of poly(vinyl chloride) calcium carbonate nanocomposites via melt intercalation. 2009 , 44, 3118-3124		25
150	Wood/plastic composites co-extruded with multi-walled carbon nanotube-filled rigid poly(vinyl chloride) cap layer. 2009 , 59, n/a-n/a		8
149	Development of a polyamide nanocomposite for food industry: Morphological structure, processing, and properties. 2009 , 30, 436-444		24
148	Effect of nano-clay type on the physical and antimicrobial properties of whey protein isolate/clay composite films. 2009 , 91, 468-473		182
147	Effect of montmorillonite treatment on the thermal stability of poly(vinyl chloride) nanocomposites. 2009 , 94, 1564-1570		26

146	Nanoscale particles for polymer degradation and stabilization—trends and future perspectives. 2009 , 34, 479-515	468
145	Preparation and characterization of epoxy/aluminum oxide nanocomposites. 2009 , 40, 463-468	78
144	Preparation and characterization of PVC/montmorillonite nanocomposites—a review. 2009 , 15, NA-NA	8
143	Effects of nanoclay and additives on the fusion characteristics and thermal stability of poly(vinyl chloride) nanocompounds. 2009 , 15, NA-NA	1
142	Rigid PVC/(layered silicate) nanocomposites produced through a novel melt-blending approach. 2009 , 15, NA-NA	4
141	Density Functional Theory (DFT) Study of the Hydration Steps of Na ⁺ /Mg ²⁺ /Ca ²⁺ /Sr ²⁺ /Ba ²⁺ -Exchanged Montmorillonites Chromatography. 2010 , 58, 174-187	59
140	Morphology, thermal and mechanical properties of PVC/MMT nanocomposites prepared by solution blending and solution blending+melt compounding. 2010 , 70, 804-814	95
139	Influence of using nanoobjects as filler on functionality-based energy use of nanocomposites. 2010 , 12, 2011-2028	28
138	Synthesis and characterization of poly(acrylonitrile)/montmorillonite nanocomposites from surface-initiated redox polymerization. 2010 , 115, 416-423	8
137	Poly(vinyl chloride)/metallic oxides/organically modified montmorillonite nanocomposites: Preparation, morphological characterization, and modeling of the mechanical properties. 2010 , 116, 422-432	20
136	Development of poly(vinyl chloride)/montmorillonite nanocomposites using chelating agents. 2010 , 95, 132-137	23
135	Influence of chlorinated polyethylene on poly (vinyl chloride)/poly (methylstyrene-acrylonitrile) blends: Mechanical properties, morphology and thermal properties. <i>Polymer Testing</i> , 2010 , 29, 995-1001 ⁴⁻⁵	36
134	RETRACTED: Preparation and characterization of poly(vinyl chloride) calcium phosphate nanocomposites. 2010 , 168, 231-236	3
133	Influence of processing technique on morphology and mechanical properties of PVC nanocomposites. 2010 , 46, 1203-1209	33
132	Investigation of the thermal, mechanical and morphological properties of poly(vinyl chloride)/polyhedral oligomeric silsesquioxane nanocomposites. 2010 , 59, 1221-1225	17
131	Avaliação da morfologia e propriedades termo-mecânicas em nanocompósitos de PVC. 2010 , 20, 46-50	5
130	Influence of Coupling Agent on the Properties and Structures of Poly(Vinyl Chloride)/Clay Nanocomposites. 2010 , 23, 855-869	3
129	Mechanical and thermal properties of poly(vinyl chloride)/poly(butylene adipate-co-terephthalate) clay nanocomposites. 2010 , 29, 3219-3225	10

128	Thermal Stability of PVC with EAPS-g-MMT and Zeolite Stabilizers by TGA Technique. 2010 , 23, 435-445	9
127	Effect of Various Organomodified Montmorillonites on the Properties of Montmorillonite/Bitumen Nanocomposites. 2010 , 22, 788-793	18
126	Poly(vinyl chloride)/Kaolinite Nanocomposites: Characterization and Thermal and Optical Properties. 2010 , 49, 1503-1513	70
125	Effect of clay content on the physical and antimicrobial properties of whey protein isolate/organo-clay composite films. 2010 , 43, 279-284	122
124	Ethylene-vinyl alcohol (EVOH) copolymers. 2011 , 261-284	5
123	Density functional theory study of pyrophyllite and M-montmorillonites (M = Li, Na, K, Mg, and Ca): role of dispersion interactions. 2011 , 115, 9695-703	55
122	Nanocomposites. 2011 , 109-142	14
121	Synthesis and electrical conductivity evaluation of novel hybrid poly (methyl methacrylate)/titanium dioxide nanowires. 2011 , 161, 2063-2069	34
120	Nanotechnology for bioplastics: opportunities, challenges and strategies. 2011 , 22, 611-617	122
119	Investigation of microstructures and ultraviolet aging properties of organo-montmorillonite/SBS modified bitumen. 2011 , 129, 769-776	95
118	An investigation into the thermal stability of PVC/montmorillonite composites. 2011 , 17, 77-84	22
117	Effects of processing on the structure of PVC/montmorillonite composites. I. Melt and solution processes. 2011 , 17, 231-238	11
116	Synthesis, Morphology and Viscoelastic Properties of Epoxy/Polyhedral Oligomeric Silsesquioxane (POSS) and Epoxy/Cyanate Ester/POSS Nanocomposites. 2011 , 21, 128-142	32
115	On the interlayer spacing collapse of Cloisite® 30B organoclay. 2011 , 96, 823-832	38
114	Application and safety assessment for nano-composite materials in food packaging. 2011 , 56, 1216-1225	75
113	Cold-drawn induced microstructure in PVC-bentonite nanocomposites. 2011 , 22, 836-846	12
112	Mechanical properties, thermal stability, and crystallization kinetics of poly(3-hydroxybutyrate-co-4-hydroxybutyrate)/calcium carbonate composites. 2011 , 32, 1134-1142	10
111	Orientation, mechanical, and optical properties of poly (lactic acid) nanoclay composite films. 2011 , 51, 2151-2158	11

110	Preparation and characterization of linear low-density polyethylene/dickite nanocomposites prepared by the direct melt blending of linear low-density polyethylene with exfoliated dickite. 2011 , 120, 1736-1743	11
109	Novel thermally stable poly(vinyl chloride) composites for sulfate removal. 2011 , 188, 19-25	8
108	Enhancement of mechanical properties of poly(vinyl chloride) with polymethyl methacrylate-grafted halloysite nanotube. 2011 , 5, 591-603	80
107	Structure-orientation-properties relationships for polypropylene nanoclay composite films. 2011 , 27, 87-115	17
106	Study on the Process of Preparing Microporous Polyvinyl Chloride. 2012 , 174-177, 864-869	
105	Poly(vinyl chloride)(PVC)-based nanocomposites. 2012 , 216-237	3
104	Polymer nanocomposites: structure, interaction, and functionality. 2012 , 4, 1919-38	81
103	Improvement in tensile properties of PVC/montmorillonite nanocomposites through controlled uniaxial stretching. 2012 , 35, 539-544	15
102	Extension in Shelf Life of Fresh Food Using Nanomaterials Food Packages. 2012 , 51, 701-706	13
101	Synthesis of montmorillonite-modified acrylic impact modifiers and toughening of poly(vinyl chloride). 2012 , 21, 793-798	10
100	Effect of Nano-Precipitated Calcium Carbonate on Mechanical Properties of PVC/ Acrylic Blend. 2012 ,	1
99	Effect of clay on the corrosion inhibition and dynamic mechanical properties of epoxy ester/polyurea/poly siloxane hybrid coatings. 2012 , 52, 2611-2619	5
98	Study on short glass fiber-reinforced poly(3-hydroxybutyrate-co-4-hydroxybutyrate) composites. 2012 , 126, 822-829	8
97	Effect of expanded vermiculite on aging properties of bitumen. 2012 , 26, 244-248	45
96	Static and dynamic mechanical properties of poly(vinyl chloride) loaded with aluminum oxide nanopowder. 2012 , 33, 523-528	18
95	Studies of particle dispersion in plasticized poly(vinyl chloride)/montmorillonite nanocomposites. 2012 , 123, 1407-1420	5
94	The experimental results and simulation of temperature dependence of brittle-ductile transition in PVC/CPE blends and PVC/CPE/nano-CaCO ₃ composites. 2012 , 123, 1833-1842	8
93	Poly(vinyl chloride-co-vinyl acetate-co-maleic anhydride)/silica nanocomposites derived from in situ suspension polymerization. 2012 , 123, 3764-3771	6

92	Investigation of the rheological, dynamic mechanical, and tensile properties of single-walled carbon nanotubes reinforced poly(vinyl chloride). 2012 , 124, 3192-3199	21
91	Influence of the nanoparticle type on the thermal decomposition of the green starch/poly(vinyl alcohol)/montmorillonite nanocomposites. 2013 , 111, 1903-1919	30
90	Influence of different synthesis processes on the rheology of PVAcâMMTâDOAB exfoliated nano-composite. 2013 , 22, 165-173	3
89	Effect of organic layered silicates on flame retardancy and aging properties of bitumen. 2013 , 40, 1151-1155	44
88	Thermo-oxidative ageing of an organo-modified clay and effects on the properties of PA6 based nanocomposites. 2013 , 552, 37-45	18
87	Effect of functionalized nanosilica on the mechanical, dynamic-mechanical, and morphological performance of polycarbonate/nanosilica nanocomposites. 2013 , 53, 1287-1296	14
86	SiO ₂ -kaolinite affecting the surface properties of ternary poly(vinyl chloride)/silica/kaolinite nanocomposites. 2013 , 14, 1870-1876	14
85	Fusion level optimization of rigid PVC nanocompounds by using response surface methodology. 2013 , 19, 168-176	14
84	Effect of expanded vermiculite on microstructures and aging properties of styreneâButadieneâStyrene copolymer modified bitumen. 2013 , 40, 224-230	30
83	MechanicalâViscoelastic Characterization in Nanocomposites. 2013 , 117-146	
82	Poly (vinyl chloride)/montmorillonite hybrid membranes for total-heat recovery ventilation. 2013 , 443, 83-92	10
81	Mechanical and morphological properties of waste Eurycoma longifolia fiber/montmorillonite reinforced poly(vinyl chloride) hybrid composites. 2013 , 128, 1170-1175	9
80	. 2013 ,	
79	Microstructures and Thermal Aging Properties of Layered Silicate Modified Bitumens. 2014 , 32, 1697-1703	5
78	Synergistic anti-biofouling effect of Ag-exchanged zeolite and D-Tyrosine on PVC composite against the clinical isolate of Acinetobacter baumannii. 2014 , 30, 965-73	12
77	Polyethylene Nanocomposites Filled with Modified Nanoparticles. 2014 , 53, 811-817	
76	Thermal, mechanical properties, and low-temperature performance of fibrous nanoclay-reinforced epoxy asphalt composites and their concretes. 2014 , 132, n/a-n/a	8
75	Physical Chemistry of Intercalated System. 2014 , 205-286	1

74	Rheology of exfoliated nanocomposite of polyvinyl acetate and organic montmorillonite synthesized by different processes. <i>Polymer Bulletin</i> , 2014 , 71, 659-672	2.4	1
73	Development of low density polyethylene nanocomposites films for packaging. <i>Polymer Bulletin</i> , 2014 , 71, 705-717	2.4	18
72	Potential Toxicity of Food Ingredients Loaded in Nano- and Microparticles. 2014 , 363-381		1
71	Dynamic mechanical and rheological properties of nitrile rubber nanocomposites based on TiO ₂ , Ca ₃ (PO ₄) ₂ and layered silicate. 2014 , 48, 2325-2339		6
70	Silylated montmorillonite as nanofillers for plasticized PVC nanocomposites: Effect of the plasticizer. 2014 , 99, 93-99		18
69	Effects of preparation methods on the structure and mechanical properties of wet conditioned starch/montmorillonite nanocomposite films. 2014 , 113, 569-76		30
68	Employing response surface approach for optimization of fusion characteristics in rigid foam PVC/clay nanocomposites. 2015 , 21, 51-59		10
67	Plasticized poly(vinyl chloride) composites: Influence of different nanofillers as antimigration agents. 2015 , 132, n/a-n/a		10
66	Preparation and performance of lipophilic zirconium phosphate with high thermal stability and its application in thermal-plastic polymers. 2015 , 25, 503-511		10
65	New models for yield strength of polymer/clay nanocomposites. 2015 , 73, 111-117		54
64	Panoptically exfoliated morphology of chlorinated polyethylene (CPE)/ethylene methacrylate copolymer (EMA)/layered silicate nanocomposites by novel in situ covalent modification using poly(ϵ -caprolactone). 2015 , 5, 38209-38222		11
63	A Novel Approach to Prepare Poly(Vinyl Acetate)/Ag Nanocomposite for Effective Antimicrobial Coating Applications. 2015 , 54, 1735-1742		8
62	Effect of nano-ZnO with modified surface on properties of bitumen. 2015 , 98, 656-661		53
61	The modification of lanthanum-exchanged montmorillonite with anionic surfactants to enhance the thermal stability of polyvinyl chloride. 2015 , 132, n/a-n/a		5
60	TiO ₂ loaded on graphene nanosheet as reinforcer and its effect on the thermal behaviors of poly(vinyl chloride) composites. 2015 , 260, 524-531		57
59	Structure and properties of poly(vinyl chloride)/montmorillonite composites produced from plastisols. 2016 , 22, 140-145		3
58	Polymer-Clay Nanocomposites and Composites: Structures, Characteristics, and their Applications in the Removal of Organic Compounds of Environmental Interest. 2016 , 6,		13
57	A Highly Permeable Aligned Montmorillonite Mixed-Matrix Membrane for CO ₂ Separation. 2016 , 128, 9467-9471		26

56	A Highly Permeable Aligned Montmorillonite Mixed-Matrix Membrane for CO ₂ Separation. 2016 , 55, 9321-5	47
55	Perspectives on Polyvinyl Chloride and Carbon Nanofiller Composite: A Review. 2016 , 55, 1076-1098	7
54	Oxygen Permeability of Nanocomposite-Based Polyolefin Films. 2016 , 368, 19-23	3
53	Highly transparent, low-haze, hybrid cellulose nanopaper as electrodes for flexible electronics. 2016 , 8, 12294-306	95
52	Application of Taguchi approach in describing the mechanical properties and thermal decomposition behavior of poly(vinyl chloride)/clay nanocomposites: Highlighting the Role of organic modifier. 2016 , 22, 182-190	10
51	Sunlight-curable boehmite/siloxane-modified methacrylic based nanocomposites as insulating coatings for stone substrates. 2016 , 95, 107-119	24
50	Influence of interlayer cations on structural properties of montmorillonites: A dispersion-corrected density functional theory study. 2016 , 117, 33-39	12
49	Effect of clay loading on the structural and mechanical properties of organoclay/HDI-based thermoplastic polyurethane nanocomposites. 2016 , 16, 65-73	14
48	Overview of Various Sorts of Polymer Nanocomposite Reinforced with Layered Silicate. 2016 , 55, 723-743	7
47	Exploration of the role of modified titania nanoparticles with citric acid and vitamin C in improvement of thermal stability, optical property, and mechanical behavior of novel poly(vinyl chloride) nanocomposite films. 2017 , 23, E15-E24	7
46	Scalable, anisotropic transparent paper directly from wood for light management in solar cells. 2017 , 36, 366-373	90
45	Ultrasonic-assisted fabrication and characterization of PVC-SiO nanocomposites having bovine serum albumin as a bio coupling agent. 2017 , 39, 686-697	22
44	Facile synthetic route for the preparation of PVC/βMnO ₂ -PVA nanocomposites: morphology, thermal, mechanical and Cd(II) adsorption properties. <i>Polymer Bulletin</i> , 2017 , 74, 2957-2973	2.4 11
43	Functionalization of ZrP by 1,2-Epoxypropane for Further Modification. 2017 , 898, 2347-2353	
42	Effect of Filler Properties on the Antioxidant Response of Thermoplastic Starch Composites. 2017 , 337-369	27
41	Design and Manufacturing of Sustainable Composites. 2017 , 533-601	
40	Effect of montmorillonite clay addition on the morphological and physical properties of <i>Jatropha curcas</i> L. and <i>Glycine max</i> L. protein concentrate films. 2017 , 134,	2
39	Development and characterization of unmodified kaolinite/EVOH nanocomposites by melt compounding. 2017 , 135, 300-306	12

38	Nanostructured materials for prolonged and safe food preservation. 2017 , 305-335		6
37	Improving the thermal and flame resistance properties of polyolefins. 2017 , 421-448		3
36	Physical properties of hybrid polymer/clay composites. 2017 , 115-132		3
35	Nontoxic bio-plasticizers for PVC as replacements for conventional toxic plasticizers. <i>Polymer Testing</i> , 2018 , 69, 63-70	4-5	35
34	Dispersion and exfoliation of nanoclays in itaconic acid functionalized LDPE by ultrasound treatment. 2018 , 135, 46260		11
33	Role of plasticizer and dispersion methods on the properties of poly(vinyl chloride) and clay nanocomposites. 2018 , 24, E172-E176		2
32	The effects of surface modification of ground calcium carbonate powdery fillers on the properties of PVC. <i>Polymer Bulletin</i> , 2018 , 75, 1123-1139	2.4	7
31	Plasticized PVC graphene nanocomposites: Morphology, mechanical, and dynamic mechanical properties. 2018 , 58, E104-E113		21
30	Discharge Resistant Nano-Coatings. 2018 ,		0
29	Dynamic mechanical analysis of PVC/TiO ₂ nanocomposites. 2018 , 1, 741-747		12
28	Recent Trends in Active, Smart, and Intelligent Packaging for Food Products. 2018 , 343-374		6
27	Biopolymers and Nanocomposites in Civil Engineering Applications. 2019 , 343-378		1
26	Maya Blue Pigments Derived From Clay Minerals. 2019 , 627-661		
25	Critical review of montmorillonite/polymer mixed-matrix filtration membranes: Possibilities and challenges. 2019 , 168, 21-30		37
24	Effect of ethylene-1-butene copolymer on tensile properties and toughness of polypropylene/mica/organoclay hybrid nanocomposites. 2019 , 25, 117-126		4
23	Effect of surface-modified montmorillonite incorporated biopolymer membranes for PEM fuel cell applications. 2019 , 40, E301		11
22	Effects of phosphorus-containing aromatic polyamide and organo-modified hydroxyapatite nanoparticles on the thermal, combustion and mechanical properties of polyvinyl chloride. <i>Polymer Bulletin</i> , 2020 , 77, 4259-4287	2.4	3
21	Synthesis, structural, thermal, mechanical, and nano-scale free volume properties of novel PbO/PVC/PMMA nanocomposites. 2020 , 206, 122911		5

20	Effect of Multi-Monomer Grafted Polyolefin Elastomer/Polypropylene on the Structure and Properties of Polypropylene/Montmorillonite Nanocomposites. 2020 , 59, 836-852		1
19	Nanomaterial-Based Gas Sensors for Agriculture Sector. 2021 , 51-80		0
18	Effects of Cellulose Nanocrystal and Inorganic Nanofillers on the Morphological and Mechanical Properties of Digital Light Processing (DLP) 3D-Printed Photopolymer Composites. 2021 , 11, 6835		1
17	Polyvinylchloride (PVC)-Based Blends: State of Art, New Challenges and Opportunities. <i>Springer Series on Polymer and Composite Materials</i> , 2022 , 1-17	0.9	0
16	Applications of Polyvinylchloride (PVC)/Thermoplastic Nano-, Micro- and Macroblends. <i>Springer Series on Polymer and Composite Materials</i> , 2022 , 75-89	0.9	0
15	Efeitos de diferentes argilas organofílicas nas propriedades de compósitos PET/Bentonita. <i>Revista Materia</i> , 2006 , 11, 260-266	0.8	4
14	Preparation of Modified Montmorillonite with Benzethonium and Benzalconium Chloride for Nanocomposites Preparation. <i>Chemistry and Chemical Technology</i> , 2009 , 3, 291-294	0.9	
13	Evaluation of Volcanic Ash Concentration Effect on Mechanical Properties of Poly(Vinyl Chloride) Composites. <i>Acta Physica Polonica A</i> , 2015 , 127, 1004-1006	0.6	1
12	A Review of Recent Developments in Mechanical Properties of Polymer/Clay Nanocomposites. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 107-129	0.4	2
11	Effect of o-MMT content on properties of Poly (vinyl chloride)/Poly (acrylonitrile styrene acrylate) blends. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 635-648	0.5	
10	Effects of dioctyl phthalate on the properties of poly(vinyl chloride)/organically modified montmorillonite nanocomposites. <i>Polymer Bulletin</i> , 2021 , 78, 283-294	2.4	4
9	Electrochemical and dynamic mechanical properties of polyurethane nanocomposite reinforced with functionalized TiO ₂ /ZrO ₂ nanoparticles in automobile industry. <i>Applied Nanoscience (Switzerland)</i> , 1	3.3	3
8	Review of Recent Developments of Glass Transition in PVC Nanocomposites.. <i>Polymers</i> , 2021 , 13,	4.5	2
7	Effect of montmorillonite addition (modified and unmodified) on the structural, mechanical, thermal, and morphological properties of nanocomposites based poly (vinyl chloride). <i>Materiaux Et Techniques</i> , 2022 , 110, 103	0.6	
6	Superior barrier, hydrophobic, and mechanical properties of the epoxy nanocomposite containing mixed metal oxides. <i>Journal of Adhesion Science and Technology</i> , 1-25	2	
5	Effects of Triazole Functionalized SiO ₂ /TiO ₂ Nanoparticles in Polyurethane Coating: A Study on Structural, Thermal, Dynamic Mechanical, Morphological and Electrochemical Properties in Marine Environment. <i>ChemistrySelect</i> , 2022 , 7,	1.8	
4	Influence of surface modified mixed metal oxide nanoparticles on the electrochemical and mechanical properties of polyurethane matrix.		0
3	Alignment control of clay and its effect on properties of polymer nanocomposites. 2022 , 256, 125202		0

- 2 Properties of iron-functionalized organoclays. Consequences for pertechnetate sequestration. **2023**, 233, 106828 ○
- 1 An Investigative Study on the Structural, Thermal and Mechanical Properties of Clay-Based PVC Polymer Composite Films. **2023**, 15, 1922 ○