Jiang-Jen Lin

List of Publications by Year
in descending order

201 papers	5,484 citations	81743 39 h-index	114278 63 g-index
202 all docs	202 docs citations	202 times ranked	6846 citing authors

#	Article	IF	Citations
1	The disruption of bacterial membrane integrity through ROS generation induced by nanohybrids of silver and clay. Biomaterials, 2009, 30, 5979-5987.	5.7	454
2	Intercalation strategies in clay/polymer hybrids. Progress in Polymer Science, 2014, 39, 443-485.	11.8	248
3	A high performance dye-sensitized solar cell with a novel nanocomposite film of PtNP/MWCNT on the counter electrode. Journal of Materials Chemistry, 2010, 20, 4067.	6.7	131
4	Flame retardant epoxy polymers based on all phosphorus-containing components. European Polymer Journal, 2002, 38, 683-693.	2.6	121
5	Tailoring Basal Spacings of Montmorillonite by Poly(oxyalkylene)diamine Intercalation. Macromolecules, 2001, 34, 8832-8834.	2.2	110
6	Evaluation on Cytotoxicity and Genotoxicity of the Exfoliated Silicate Nanoclay. ACS Applied Materials & Interfaces, 2010, 2, 1608-1613.	4.0	109
7	Self-assembly behavior of polymer-assisted clays. Progress in Polymer Science, 2012, 37, 406-444.	11.8	104
8	Concentration effect of carbon nanotube based saturable absorber on stabilizing and shortening mode-locked pulse. Optics Express, 2010, 18, 3592.	1.7	85
9	Evaluation of the Antibacterial Activity and Biocompatibility for Silver Nanoparticles Immobilized on Nano Silicate Platelets. ACS Applied Materials & Interfaces, 2013, 5, 433-443.	4.0	85
10	A novel polymer gel electrolyte for highly efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 8471.	5.2	79
11	Biocompatibility and antimicrobial evaluation of montmorillonite/chitosan nanocomposites. Applied Clay Science, 2012, 56, 53-62.	2.6	75
12	Highly transparent and flexible polyimideâ€“AgNW hybrid electrodes with excellent thermal stability for electrochromic applications and defogging devices. Journal of Materials Chemistry C, 2015, 3, 3629-3635.	2.7	75
13	Boron-doped carbon nanotubes as metal-free electrocatalyst for dye-sensitized solar cells: Heteroatom doping level effect on tri-iodide reduction reaction. Journal of Power Sources, 2018, 375, 29-36.	4.0	75
14	First Isolation of Individual Silicate Platelets from Clay Exfoliation and Their Unique Self-Assembly into Fibrous Arrays. Journal of Physical Chemistry B, 2006, 110, 18115-18120.	1.2	70
15	The cellular responses and antibacterial activities of silver nanoparticles stabilized by different polymers. Nanotechnology, 2012, 23, 065102.	1.3	70
16	Amphiphilic Properties of Poly(oxyalkylene)amine-Intercalated Smectite Aluminosilicates. Langmuir, 2004, 20, 4261-4264.	1.6	67
17	Preparation of Proteinâ^'Silicate Hybrids from Polyamine Intercalation of Layered Montmorillonite. Langmuir, 2007, 23, 1995-1999.	1.6	62
18	Exfoliation of Montmorillonite Clay by Mannich Polyamines with Multiple Quaternary Salts. Macromolecules, 2005, 38, 6240-6243.	2.2	61

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19	Novel Nanohybrids of Silver Particles on Clay Platelets for Inhibiting Silver-Resistant Bacteria. PLoS ONE, 2011, 6, e21125.	1.1	61
20	Observation of Carbon Nanotube and Clay Micellelike Microstructures with Dual Dispersion Property. Journal of Physical Chemistry A, 2009, 113, 8654-8659.	1.1	60
21	Dyeâ€Sensitized Solar Cells with Reduced Graphene Oxide as the Counter Electrode Prepared by a Green Photothermal Reduction Process. ChemPhysChem, 2014, 15, 1175-1181.	1.0	58
22	Preparation, Organophilicity, and Self-Assembly of Poly(oxypropylene)amineâ^'Clay Hybrids. Macromolecules, 2003, 36, 2187-2189.	2.2	57
23	Novel Polymer Gel Electrolyte with Organic Solvents for Quasi-Solid-State Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 18489-18496.	4.0	55
24	Self-Assembled Superstructures of Polymer-Grafted Nanoparticles: Effects of Particle Shape and Matrix Polymer. Journal of Physical Chemistry C, 2011, 115, 5566-5577.	1.5	54
25	Characterization, Antimicrobial Activities, and Biocompatibility of Organically Modified Clays and Their Nanocomposites with Polyurethane. ACS Applied Materials & Interfaces, 2012, 4, 338-350.	4.0	54
26	Nanohybrids of Magnetic Iron-Oxide Particles in Hydrophobic Organoclays for Oil Recovery. ACS Applied Materials & Interfaces, 2010, 2, 1349-1354.	4.0	53
27	Polymer-dispersed MWCNT gel electrolytes for high performance of dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 6982.	6.7	53
28	Comparisons of Physical Properties of Intercalated and Exfoliated Clay/Epoxy Nanocomposites. Industrial & Engineering Chemistry Research, 2005, 44, 2086-2090.	1.8	52
29	Facile Fabrication of Robust Superhydrophobic Epoxy Film with Polyamine Dispersed Carbon Nanotubes. ACS Applied Materials & Interfaces, 2013, 5, 538-545.	4.0	51
30	Efficient titanium nitride/titanium oxide composite photoanodes for dye-sensitized solar cells and water splitting. Journal of Materials Chemistry A, 2015, 3, 4695-4705.	5.2	50
31	Enhancing the performance of dye-sensitized solar cells by incorporating nanosilicate platelets in gel electrolyte. Solar Energy Materials and Solar Cells, 2009, 93, 1860-1864.	3.0	47
32	Enhancing the performance of dye-sensitized solar cells by incorporating nanomica in gel electrolytesâ˜†. Solar Energy Materials and Solar Cells, 2010, 94, 668-674.	3.0	47
33	Critical Conformational Change of Poly(oxypropylene)diamines in Layered Aluminosilicate Confinement. Macromolecular Rapid Communications, 2003, 24, 492-495.	2.0	44
34	Preparation of clay/epoxy nanocomposites by layered-double-hydroxide initiated self-polymerization. Polymer, 2008, 49, 4796-4801.	1.8	44
35	Thermally Stable Boron-Doped Multiwalled Carbon Nanotubes as a Pt-free Counter Electrode for Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2017, 5, 537-546.	3.2	44
36	Flame retardant epoxy polymers using phosphorus-containing polyalkylene amines as curing agents. Journal of Applied Polymer Science, 2001, 82, 3526-3538.	1.3	42

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37	Morphological Influence of Polypyrrole Nanoparticles on the Performance of Dyeâ€“Sensitized Solar Cells. Electrochimica Acta, 2015, 155, 263-271.	2.6	42
38	Preparation of high energy fuel JP-10 by acidity-adjustable chloroaluminate ionic liquid catalyst. Fuel, 2011, 90, 1012-1017.	3.4	41
39	Facile fabrication of PtNP/MWCNT nanohybrid films for flexible counter electrode in dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 3185.	6.7	41
40	Synthesis of immobilized silver nanoparticles on ionic silicate clay and observed low-temperature melting. Journal of Materials Chemistry, 2009, 19, 2184.	6.7	40
41	Hydrophobic Modification of Layered Clays and Compatibility for Epoxy Nanocomposites. Materials, 2010, 3, 2588-2605.	1.3	40
42	Multifunctional Iodide-Free Polymeric Ionic Liquid for Quasi-Solid-State Dye-Sensitized Solar Cells with a High Open-Circuit Voltage. ACS Applied Materials & Interfaces, 2016, 8, 15267-15278.	4.0	40
43	Conformational Change of Trifunctional Poly(oxypropylene)amines Intercalated within a Layered Silicate Confinement. Macromolecules, 2004, 37, 473-477.	2.2	37
44	Intercalation of layered double hydroxides by poly(oxyalkylene)-amidocarboxylates: tailoring layered basal spacing. Polymer, 2004, 45, 7887-7893.	1.8	36
45	One-Step Exfoliation of Montmorillonite via Phase Inversion of Amphiphilic Copolymer Emulsion. Macromolecules, 2005, 38, 230-233.	2.2	36
46	Self-doping effects on the morphology, electrochemical and conductivity properties of self-assembled polyanilines. Thin Solid Films, 2008, 517, 500-505.	0.8	36
47	Clay-Mediated Synthesis of Silver Nanoparticles Exhibiting Low-Temperature Melting. Langmuir, 2011, 27, 11690-11696.	1.6	36
48	Isomerization of endo-tetrahydrodicyclopentadiene over clay-supported chloroaluminate ionic liquid catalysts. Journal of Molecular Catalysis A, 2010, 315, 69-75.	4.8	35
49	High performance dye-sensitized solar cells based on platinum nanoparticle/multi-wall carbon nanotube counter electrodes: The role of annealing. Journal of Power Sources, 2012, 203, 274-281.	4.0	35
50	Flexible, optically transparent, high refractive, and thermally stable polyimideâ€“TiO2 hybrids for anti-reflection coating. RSC Advances, 2013, 3, 17048.	1.7	35
51	Surfactant-Modified Nanoclay Exhibits an Antiviral Activity with High Potency and Broad Spectrum. Journal of Virology, 2014, 88, 4218-4228.	1.5	34
52	Exfoliation of smectite clays by branched polyamines consisting of multiple ionic sites. European Polymer Journal, 2008, 44, 628-636.	2.6	33
53	Clay-assisted dispersion of organic pigments in water. Dyes and Pigments, 2011, 90, 21-27.	2.0	33
54	Pulse shortening mode-locked fiber laser by thickness and concentration product of carbon nanotube based saturable absorber. Optics Express, 2011, 19, 4036.	1.7	32

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55	Controlling Formation of Silver/Carbon Nanotube Networks for Highly Conductive Film Surface. ACS Applied Materials & Interfaces, 2012, 4, 1449-1455.	4.0	32
56	Label-free and culture-free microbe detection by three dimensional hot-junctions of flexible Raman-enhancing nanohybrid platelets. Journal of Materials Chemistry B, 2014, 2, 1136-1143.	2.9	32
57	Gelation of ionic liquid with exfoliated montmorillonite nanoplatelets and its application for quasi-solid-state dye-sensitized solar cells. Journal of Colloid and Interface Science, 2011, 363, 635-639.	5.0	30
58	Synthesis of a novel amphiphilic polymeric ionic liquid and its application in quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 20814-20822.	5.2	30
59	Antimicrobial Activities and Cellular Responses to Natural Silicate Clays and Derivatives Modified by Cationic Alkylamine Salts. ACS Applied Materials & Interfaces, 2009, 1, 2556-2564.	4.0	29
60	Dye-sensitized solar cells with low-cost catalytic films of polymer-loaded carbon black on their counter electrode. RSC Advances, 2013, 3, 5871.	1.7	29
61	Selective SERS Detecting of Hydrophobic Microorganisms by Tricomponent Nanohybrids of Silverâ€“Silicate-Plateletâ€“Surfactant. ACS Applied Materials & Interfaces, 2014, 6, 1541-1549.	4.0	29
62	Synthesis of Surfactant-Free and Morphology-Controllable Vanadium Diselenide for Efficient Counter Electrodes in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 25090-25099.	4.0	29
63	Unusual Intercalation of Cationic Smectite Clays with Detergent-Ranged Carboxylic Ions. Macromolecular Rapid Communications, 2005, 26, 1841-1845.	2.0	28
64	Functionalizing multi-walled carbon nanotubes with poly(oxyalkylene)-amidoamines. Nanotechnology, 2006, 17, 3197-3203.	1.3	28
65	Transparent grapheneâ€“platinum nanohybrid films for counter electrodes in high efficiency dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 8742.	5.2	28
66	Organo-clay hybrids based on dendritic molecules: preparation and characterization. Nanotechnology, 2007, 18, 205606.	1.3	27
67	A dual-functional Pt/CNT TCO-free counter electrode for dye-sensitized solar cell. Journal of Materials Chemistry, 2012, 22, 25311.	6.7	27
68	Novel solution-processable fluorene-based polyimide/TiO2 hybrids with tunable memory properties. Polymer Chemistry, 2013, 4, 4570.	1.9	27
69	Mechanistic Aspects of Clay Intercalation with Amphiphilic Poly(styrene-co-maleic anhydride)-Grafting Polyamine Salts. Macromolecules, 2007, 40, 1579-1584.	2.2	26
70	Synthesis and epoxy curing of Mannich bases derived from bisphenol A and poly(oxyalkylene)diamine. Journal of Applied Polymer Science, 2000, 78, 615-623.	1.3	25
71	High Compatibility of the Poly(oxypropylene)amine-Intercalated Montmorillonite for Epoxy. Polymer Journal, 2003, 35, 411-416.	1.3	25
72	Novel Mechanism for Layered Silicate Clay Intercalation by Poly(propylene oxide)-Segmented Carboxylic Acid. Macromolecular Rapid Communications, 2004, 25, 508-512.	2.0	25

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73	Kinetics of styrene emulsion polymerization in the presence of montmorillonite. European Polymer Journal, 2006, 42, 1033-1042.	2.6	25
74	Nanohybrids of Silver Particles Immobilized on Silicate Platelet for Infected Wound Healing. PLoS ONE, 2012, 7, e38360.	1.1	25
75	Enhanced performance of a dye-sensitized solar cell with an amphiphilic polymer-gelled ionic liquid electrolyte. Journal of Materials Chemistry A, 2013, 1, 3055.	5.2	25
76	First Fabrication of Electrowetting Display by Using Pigment-in-Oil Driving Pixels. ACS Applied Materials & Interfaces, 2013, 5, 5914-5920.	4.0	25
77	Synthesis, Characterization, and Interfacial Behaviors of Poly(oxyethylene)-Grafted SEBS Copolymers. Industrial & Engineering Chemistry Research, 2000, 39, 65-71.	1.8	24
78	Isomerization of exo-tetrahydrodicyclopentadiene to adamantane using an acidity-adjustable chloroaluminate ionic liquid. Catalysis Communications, 2009, 10, 1747-1751.	1.6	24
79	Inhibition of Bacterial Growth by the Exfoliated Clays and Observation of Physical Capturing Mechanism. Journal of Physical Chemistry C, 2011, 115, 18770-18775.	1.5	24
80	Hydrogen-bond driven intercalation of synthetic fluorinated mica by poly(oxypropylene)-amidoamine salts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 162-167.	2.3	23
81	Optical Nonâ€Linearity from Montmorillonite Intercalated with a Chromophoreâ€Containing Dendritic Structure: A Selfâ€Assembly Approach. Macromolecular Rapid Communications, 2008, 29, 587-592.	2.0	23
82	N-Aryl Acylureas as Intermediates in Sequential Self-Repetitive Reactions To Form Poly(amideâ^'imide)s. Macromolecules, 2006, 39, 12-14.	2.2	22
83	Layered Inorganic/Enzyme Nanohybrids with Selectivity and Structural Stability upon Interacting with Biomolecules. Bioconjugate Chemistry, 2008, 19, 138-144.	1.8	22
84	Synthesis of acrylic copolymers consisting of multiple amine pendants for dispersing pigment. Journal of Colloid and Interface Science, 2009, 334, 42-49.	5.0	22
85	Efficacy and safety of nanohybrids comprising silver nanoparticles and silicate clay for controlling Salmonella infection. International Journal of Nanomedicine, 2012, 7, 2421.	3.3	22
86	Preparation and epoxy curing of novel dicyclopentadiene-derived Mannich amines. Journal of Applied Polymer Science, 1999, 71, 2129-2139.	1.3	21
87	Clay as a dispersion agent in anode catalyst layer for PEMFC. Journal of Power Sources, 2006, 163, 398-402.	4.0	21
88	First Observation of Physically Capturing and Maneuvering Bacteria using Magnetic Clays. ACS Applied Materials & Interfaces, 2016, 8, 411-418.	4.0	21
89	Well-Defined Polyamide Synthesis from Diisocyanates and Diacids Involving Hindered Carbodiimide Intermediates. Macromolecules, 2011, 44, 46-59.	2.2	20
90	Thermo-responsive nanoarrays of silver nanoparticle, silicate nanoplatelet and PNiPAAm for the antimicrobial applications. Colloids and Surfaces B: Biointerfaces, 2017, 152, 459-466.	2.5	20

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91	Emulsion Intercalation of Smectite Clays with Comb-Branched Copolymers Consisting of Multiple Quaternary Amine Salts and a Poly(styreneâˆ’butadieneâˆ’styrene) Backbone. Langmuir, 2005, 21, 7023-7028.	1.6	19
92	Fine Dispersion of Hydrophobic Silicate Platelets in Anhydride-Cured Epoxy Nanocomposites. Industrial & Engineering Chemistry Research, 2007, 46, 7384-7388.	1.8	19
93	Control of morphology and size of platinum crystals through amphiphilic polymer-assisted microemulsions and their uses in dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 12305.	6.7	19
94	Evenly Distributed Thin-Film Ag Coating on Stainless Plate by Tricomponent Ag/Silicate/PU with Antimicrobial and Biocompatible Properties. ACS Applied Materials & Interfaces, 2014, 6, 20324-20333.	4.0	19
95	Polymer-assisted self-assembly of silver nanoparticles into interconnected morphology and enhanced surface electric conductivity. RSC Advances, 2014, 4, 15098.	1.7	19
96	Copolymer-Layered Silicate Hybrid Surfactants from the Intercalation of Montmorillonite with Amphiphilic Copolymers. Langmuir, 2003, 19, 5184-5187.	1.6	18
97	Lengthy Rod Formation from a Poly(oxyalkylene)amine-Intercalated Smectite Clay by a Self-Aligning Mechanism. Macromolecular Rapid Communications, 2004, 25, 1109-1112.	2.0	18
98	Self-Piling Silicate Rods and Dendrites from High Aspect-Ratio Clay Platelets. Journal of Physical Chemistry C, 2008, 112, 17940-17944.	1.5	18
99	Thermoresponsive Dual-Phase Transition and 3D Self-Assembly of Poly(N-Isopropylacrylamide) Tethered to Silicate Platelets. Chemistry of Materials, 2009, 21, 4071-4079.	3.2	18
100	Effective removal of Microcystis aeruginosa and microcystin-LR using nanosilicate platelets. Chemosphere, 2014, 99, 49-55.	4.2	18
101	Tailoring Pigment Dispersants with Polyisobutylene Twin-Tail Structures for Electrowetting Display Application. ACS Applied Materials & Interfaces, 2014, 6, 14345-14352.	4.0	18
102	Organically modified clays as rheology modifiers and dispersing agents for epoxy packing of white LED. Composites Science and Technology, 2016, 132, 9-15.	3.8	18
103	Layered Confinement of Protein in Synthetic Fluorinated Mica via Stepwise Polyamine Exchange. Journal of Physical Chemistry B, 2007, 111, 10275-10280.	1.2	17
104	Enhancing silver nanoparticle and antimicrobial efficacy by the exfoliated clay nanoplatelets. RSC Advances, 2013, 3, 7392.	1.7	17
105	Electrospun nanofibers composed of poly(vinylidene fluoride-co-hexafluoropropylene) and poly(oxyethylene)-imide imidazolium tetrafluoroborate as electrolytes for solid-state electrochromic devices. Solar Energy Materials and Solar Cells, 2018, 177, 32-43.	3.0	17
106	A novel multifunctional polymer ionic liquid as an additive in iodide electrolyte combined with silver mirror coating counter electrodes for quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2021, 9, 4907-4921.	5.2	17
107	Electrostatic Dissipating Properties of Poly(oxyethylene)amine-Modified Polyamides. Industrial & Engineering Chemistry Research, 1998, 37, 4284-4289.	1.8	16
108	Self-assembled clay films with a plateletâ€“void multilayered nanostructure and flame-blocking properties. Scientific Reports, 2013, 3, 2621.	1.6	16

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109	A composite catalytic film of Ni-NPs/PEDOT: PSS for the counter electrodes in dyeâ€“sensitized solar cells. Electrochimica Acta, 2014, 146, 697-705.	2.6	16
110	Hydrophilicity, crystallinity and electrostatic dissipating properties of poly(oxyethylene)-segmented polyurethanes. Polymer International, 1999, 48, 57-62.	1.6	15
111	Thermal stability of poly(oxyalkylene)amine-grafted polypropylene copolymers. Polymer Degradation and Stability, 2000, 70, 171-184.	2.7	15
112	Hierarchical synthesis of silver nanoparticles and wires by copolymer templates and visible light. Journal of Colloid and Interface Science, 2010, 352, 81-86.	5.0	15
113	Nanocomposites with enhanced electrical properties based on biodegradable poly(butylene succinate) and polyetheramine modified carbon nanotube. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 322-328.	2.7	15
114	Inhibition of Fumonisin B1 Cytotoxicity by Nanosilicate Platelets during Mouse Embryo Development. PLoS ONE, 2014, 9, e112290.	1.1	15
115	ZnO double layer film with a novel organic sensitizer as an efficient photoelectrode for dyeâ€“sensitized solar cells. Journal of Power Sources, 2016, 325, 209-219.	4.0	15
116	Preparation and electrostatic dissipating properties of poly(oxyalkylene)imide grafted polypropylene copolymers. Polymer, 2000, 41, 2405-2417.	1.8	14
117	Temperature and pH-responsive properties of poly(styrene-co-maleic anhydride)-grafting poly(oxypropylene)-amines. Journal of Colloid and Interface Science, 2009, 336, 82-89.	5.0	14
118	A stepwise mechanism for intercalating hydrophobic organics into multilayered clay nanostructures. RSC Advances, 2013, 3, 12847.	1.7	14
119	A platinum film with organized pores for the counter electrode in dye-sensitized solar cells. Journal of Power Sources, 2013, 239, 496-499.	4.0	14
120	Fine Dispersion and Property Differentiation of Nanoscale Silicate Platelets and Spheres in Epoxy Nanocomposites. Polymer Journal, 2005, 37, 239-245.	1.3	13
121	Synergistic effect of silicate clay and phosphazene-oxyalkyleneamines on thermal stability of cured epoxies. Journal of Colloid and Interface Science, 2010, 343, 209-216.	5.0	13
122	Molecular-level dispersion of phosphazeneâ€“clay hybrids in polyurethane and synergistic influences on thermal and UV resistance. Polymer, 2012, 53, 4060-4068.	1.8	12
123	Preparation and epoxy curing of p-nonylphenol/dicyclopentadiene adducts. Journal of Applied Polymer Science, 1999, 74, 2196-2206.	1.3	11
124	Amphiphilic silver-delaminated clay nanohybrids and their composites with polyurethane: physico-chemical and biological evaluations. Journal of Materials Chemistry B, 2013, 1, 2178.	2.9	11
125	Aromatic polyoxyalkylene amidoamines as curatives for epoxy resins ? derivatives from t-butyl isophthalic acid. Journal of Polymer Research, 1996, 3, 97-104.	1.2	10
126	Electrostatic dissipation and flexibility of poly(oxyalkylene)amine segmented epoxy derivatives. Polymer International, 2000, 49, 387-394.	1.6	10

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127	Compatibilization of PS and PA6 Blends by Means of Poly(oxyalkylene)amine Modified Styrene-Maleic Anhydride Copolymer. Journal of Polymer Research, 2005, 12, 439-447.	1.2	10
128	General Intercalation of Poly(oxyalkylene)â^'Amidoacids for Anionic and Cationic Layered Clays. Industrial & Engineering Chemistry Research, 2010, 49, 5001-5005.	1.8	10
129	Mechanism of Silicate Platelet Self-Organization during Clay-Initiated Epoxy Polymerization. Journal of Physical Chemistry C, 2010, 114, 10373-10378.	1.5	10
130	The biocompatibility and antimicrobial activity of nanocomposites from polyurethane and nano silicate platelets. Journal of Biomedical Materials Research - Part A, 2011, 99A, 192-202.	2.1	10
131	Orderly arranged NLO materials on exfoliated layered templates based on dendrons with alternating moieties at the periphery. Polymer Chemistry, 2013, 4, 2747.	1.9	10
132	Glass transition and exclusion model in crystallization of polyetherâ€“polyester block copolymers with amide linkages. Polymer, 2002, 43, 1365-1373.	1.8	9
133	Formation Mechanism and Characterization of Agâ€“Metal Chelate Polymer Prepared by a Wet Chemical Process. Japanese Journal of Applied Physics, 2005, 44, 6332-6340.	0.8	9
134	Tandem synthesis of silver nanoparticles and nanorods in the presence of poly(oxyethylene)-amidoacid template. European Polymer Journal, 2011, 47, 1383-1389.	2.6	9
135	Mgâ€“Al Layered Double Hydroxides Intercalated with Polyetheramidoacids and Exhibiting a pH-Responsive Releasing Property. Industrial & Engineering Chemistry Research, 2012, 51, 581-586.	1.8	9
136	Immobilization of silver nanoparticles on exfoliated mica nanosheets to form highly conductive nanohybrid films. Nanotechnology, 2015, 26, 465702.	1.3	9
137	A Novel Gel Electrolyte Based on Polyurethane for Highly Efficient in Dye-sensitized Solar Cells. Journal of Polymer Research, 2016, 23, 1.	1.2	9
138	Phase change materials of fatty amine-modified silicate clays of nano layered structures. RSC Advances, 2017, 7, 23530-23534.	1.7	9
139	Preparation ofN-Alkyl-Substituted Poly(oxyalkylene)amines and Their Reactivities toward Blocked Isocyanates. Industrial & Engineering Chemistry Research, 1997, 36, 4231-4235.	1.8	8
140	High Electromagnetic Shielding of a 2.5-Gbps Plastic Transceiver Module Using Dispersive Multiwall Carbon Nanotubes. Journal of Lightwave Technology, 2008, 26, 1256-1262.	2.7	8
141	Aqueous Dispersion of Conjugated Polymers by Colloidal Clays and Their Film Photoluminescence. Journal of Physical Chemistry B, 2010, 114, 1897-1902.	1.2	8
142	Poly(N-isopropylacrylamide)-Tethered Silicate Platelets for Colloidal Dispersion of Conjugated Polymers with Thermoresponsive and Photoluminescence Properties. Langmuir, 2010, 26, 10572-10577.	1.6	8
143	Effect of grafting architecture on the surfactant-like behavior of clay-poly(NiPAAm) nanohybrids. Journal of Colloid and Interface Science, 2012, 387, 106-114.	5.0	8
144	Evaluation of Efficacy and Toxicity of Exfoliated Silicate Nanoclays as a Feed Additive for Fumonisin Detoxification. Journal of Agricultural and Food Chemistry, 2017, 65, 6564-6571.	2.4	8

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145	Facile Fabrication of Flexible Electrodes and Immobilization of Silver Nanoparticles on Nanoscale Silicate Platelets to Form Highly Conductive Nanohybrid Films for Wearable Electronic Devices. Nanomaterials, 2020, 10, 65.	1.9	8
146	Self-Assembly of Lamellar Clays to Hierarchical Microarrays. Journal of Physical Chemistry C, 2008, 112, 9637-9643.	1.5	7
147	Fine dispersion of phosphazene-amines and silicate platelets in epoxy nanocomposites and the synergistic fire-retarding effect. Journal of Polymer Research, 2014, 21, 1.	1.2	7
148	Cytotoxicity Produced by Silicate Nanoplatelets: Study of Cell Death Mechanisms. Toxins, 2020, 12, 623.	1.5	7
149	Composition of nanoclay supported silver nanoparticles in furtherance of mitigating cytotoxicity and genotoxicity. PLoS ONE, 2021, 16, e0247531.	1.1	7
150	Thermal Stability and Combustion Behaviors of Poly(oxybutylene)amides. Polymer Journal, 2002, 34, 72-80.	1.3	6
151	Phase inversion of self-aggregating Mannich amines with poly(oxyethylene) segments. Journal of Colloid and Interface Science, 2003, 258, 155-162.	5.0	6
152	Synthesis and properties of cross-linkable macromers from the selective substitution of poly(oxyalkylene)-amines and cyanuric chloride. Polymer, 2005, 46, 4619-4626.	1.8	6
153	Thermoresponsive Behaviors of Poly(oxypropylene)-amidoamine Functionalized Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 13016-13021.	1.5	6
154	Simultaneous Occurrence of Self-Assembling Silicate Skeletons to Wormlike Microarrays and Epoxy Ring-Opening Polymerization. Macromolecules, 2009, 42, 4362-4365.	2.2	6
155	Performance of Graphene Mediated Saturable Absorber on Stable Mode-Locked Fiber Lasers Employing Different Nano-Dispersants. Journal of Lightwave Technology, 2012, 30, 3413-3419.	2.7	6
156	Silver Nanoparticles on Nanoscale Silica Platelets (AgNP/NSP) and Nanoscale Silica Platelets (NSP) Inhibit the Development of Fusarium oxysporum f. sp. niveum. ACS Applied Bio Materials, 2019, 2, 4978-4985.	2.3	6
157	Preparation, Characterization, and Electrostatic Dissipating Properties of Poly(oxyalkylene)-Segmented Polyureas. Polymer Journal, 2001, 33, 248-254.	1.3	5
158	Formation of Molecular Bundles from Self-Assembly of Symmetrical Poly(oxyalkylene)â^'Diamido Acids. Journal of Physical Chemistry B, 2005, 109, 13510-13514.	1.2	5
159	Formation of Hierarchical Molecular Assemblies from Poly(oxypropylene)-Segmented Amido Acids under AFM Tapping. Langmuir, 2007, 23, 4108-4111.	1.6	5
160	Interaction of Novel Fluorescent Nanoscale Ionic Silicate Platelets with Biomaterials for Biosensors. ACS Applied Materials & Interfaces, 2015, 7, 10771-10778.	4.0	5
161	Evaluation of Carbon Dioxide-Based Urethane Acrylate Composites for Sealers of Root Canal Obturation. Polymers, 2020, 12, 482.	2.0	5
162	Reactive Tetramethylpiperidine-Containing Poly(oxypropylenediamines) as Light Stabilizers. Industrial & Engineering Chemistry Research, 1997, 36, 1944-1947.	1.8	4

#	Article	IF	Citations
163	Synthesis andin situ transformation of poly(oxybutylene)amides by butoxylation. Journal of Applied Polymer Science, 2001, 82, 435-445.	1.3	4
164	Thin film morphologies of Ï€-conjugated rod-coil block copolymers with thermoresponsive property: A combined experimental and molecular simulation study. Journal of Chemical Physics, 2010, 132, 214901.	1.2	4
165	First evidence of singlet oxygen species mechanism in silicate clay for antimicrobial behavior. Applied Clay Science, 2014, 99, 18-23.	2.6	4
166	Unusual exfoliation of layered silicate clays by non-aqueous amine diffusion mechanism. Journal of Polymer Research, 2016, 23, 1.	1.2	4
167	Immobilization of Air-Stable Copper Nanoparticles on Graphene Oxide Flexible Hybrid Films for Smart Clothes. Polymers, 2022, 14, 237.	2.0	4
168	Biocompatibility and antimicrobial activity of copper(II) oxide hybridized with nano silicate platelets. Surface and Coatings Technology, 2022, 435, 128253.	2.2	4
169	Phase behaviors of poly(oxyethylene)-grafted polypropylene copolymers. Journal of Polymer Research, 2000, 7, 21-28.	1.2	3
170	Crystallization kinetics for low-ether-content polyether-polyester block copolymers with amide linkages. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 2469-2480.	2.4	3
171	Passively mode-locked lasers using saturable absorber incorporating dispersed single-wall carbon nanotubes. , 2009, , .		3
172	Controlled self-assemblies of clay silicate platelets by organic salt modifier. RSC Advances, 2012, 2, 8410.	1.7	3
173	Effects of poly(oxyethylene)-block structure in polyetheramines on the modified carbon nanotube/poly(lactic acid) composites. Composites Part A: Applied Science and Manufacturing, 2015, 78, 18-26.	3.8	3
174	Synthesis and interfacial behaviors of amphiphilic poly(oxypropylene) amidoacids. Journal of Polymer Science Part A, 2006, 44, 646-652.	2.5	2
175	Electromagnetic Shielding Performance for a 2.5 Gb/s Plastic Transceiver Module Using Dispersive Multiwall Carbon Nanotubes. , 2007, , .		2
176	Easy preparation of crosslinked polymer films from polyoxyalkylene diamine and poly(styreneâ€“maleic) Tj ETQq0 0 0 rgBT /Overlock 10	1.3	2
177	Self-aligned nematic crystallization of poly(oxypropylene)amine intercalated silicates on toluene/water interface. Materials Science and Engineering C, 2008, 28, 1352-1355.	3.8	2
178	Amphiphilic Poly(Oxyalkylene)-Amines Interacting with Layered Clays: Intercalation, Exfoliation, and New Applications. , 0, , 459-480.		2
179	Hierarchical Rearrangement of Self-Assembled Molecular Bundle Strands from Poly(oxyethylene)-Segmented Amido Acids. Journal of Physical Chemistry B, 2009, 113, 6240-6245.	1.2	2
180	Polymer-assisted dispersion of carbon nanotubes and silver nanoparticles and their applications. RSC Advances, 2013, 3, 22436.	1.7	2

#	Article	IF	Citations
181	A Method to Prepare Magnetic Nanosilicate Platelets for Effective Removal of Microcystis aeruginosa and Microcystin-LR. Methods in Molecular Biology, 2017, 1600, 85-94.	0.4	2
182	Functionalizing and molecular bonding nanoscale silicate-polymer composites of epoxies and Polyacrylates. Journal of Polymer Research, 2017, 24, 1.	1.2	2
183	Poly(oxyethylene)diamine-derived hydrophilic copolymers for emulsifying diglycidylether of bisphenol-A. Journal of Applied Polymer Science, 2004, 94, 1797-1802.	1.3	1
184	Diaryl Iodonium Photo Cleavage in Smectic Silicate Cell. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 77-82.	0.1	1
185	Hydrophobic Intercalation of Layered Silicate Clays and Hierarchical Selfâ€Assemblies via Plateletâ€Shape Directing. Macromolecular Symposia, 2009, 279, 119-124.	0.4	1
186	Copper-Ion-Assisted Self-Assembly of Silicate Clays in Rod- and Disklike Morphologies. Langmuir, 2010, 26, 10177-10182.	1.6	1
187	Selfâ€assembled and crystallized composites made from poly(ether amine) and montmorillonite in the presence of copper(II) ions. Journal of Applied Polymer Science, 2011, 119, 3437-3445.	1.3	1
188	Hierarchical Transformation of Silver Morphologies on Clay Film from Spheres, Cubes, Rods to Lengthy Nano-Wires. Materials Research Society Symposia Proceedings, 2012, 1450, 19.	0.1	1
189	Effect of Photo-initiator on Photosensitive Emission Polymer. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 757-764.	0.1	1
190	Nanohybrids of silver particles on clay platelets delaminatePseudomonasbiofilms. Nanomedicine, 2014, 9, 1019-1033.	1.7	1
191	Novel Polymer Gel Electrolytes with Poly(oxyethylene)-Amidoacid Microstructures for Highly Efficient Quasi-Solid-State Dye-Sensitized Solar Cells. Materials Research Society Symposia Proceedings, 2014, 1667, 32.	0.1	1
192	Synthesis and in situ transformation of poly(oxybutylene)amides by butoxylation. , 2001, 82, 435.		1
193	High electromagnetic shielding of multi-wall carbon nanotube composites using ionic liquid dispersant. , 2008, , .		0
194	Effect of Photoelectron on the Condensed Film of Poly(oxypropylene)amine Intercalated Silicates. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 15-19.	0.1	0
195	Dynamic operation of passive mode-locked fiber laser with carbon nanotubes-based saturable absorber. , 2010, , .		0
196	Enhanced Performance of Dye Sensitized Solar Cell by the Novel Composite TiO2/POEM Photoanodes. Materials Research Society Symposia Proceedings, 2012, 1442, 19.	0.1	0
197	A graphene based saturable absorber on stable mode-locked fiber lasers employing nano-mica dispersant. , 2012, , .		0
198	Concentration effect of dispersed-graphene based saturable absorber on stabilizing and shortening mode-locked pulse. , 2012, , .		0

#	Article	IF	Citations
199	First Evidence of Singlet Oxygen Species Mechanism in Silicate Clay for Antimicrobial Behavior. Materials Research Society Symposia Proceedings, 2013, 1569, 67-72.	0.1	0
200	Fabrication of Flexible and Conductive Graphene-Silver Films by Polymer Dispersion and Coating Method. Materials Research Society Symposia Proceedings, 2013, 1547, 35-41.	0.1	0
201	Clay films with variable metal ions and self-assembled silicate layer-void nanostructures. RSC Advances, 2014, 4, 6356.	1.7	0