Jiang-Jen Lin

List of Publications by Year in Descending Order

196 papers	4,840 citations	38 h-index	58 g-index
202 ext. papers	5,173 ext. citations	5.6 avg, IF	5.5 L-index

#	Paper	IF	Citations
196	Immobilization of Air-Stable Copper Nanoparticles on Graphene Oxide Flexible Hybrid Films for Smart Clothes.. *Polymers*, **2022**, 14,	4.5	1
195	Biocompatibility and antimicrobial activity of copper(II) oxide hybridized with nano silicate platelets. *Surface and Coatings Technology*, **2022**, 435, 128253	4.4	1
194	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	13	8
193	Composition of nanoclay supported silver nanoparticles in furtherance of mitigating cytotoxicity and genotoxicity. *PLoS ONE*, **2021**, 16, e0247531	3.7	2
192	Evaluation of Carbon Dioxide-Based Urethane Acrylate Composites for Sealers of Root Canal Obturation. *Polymers*, **2020**, 12,	4.5	3
191	Silver Nanoparticles on Nanoscale Silica Platelets (AgNP/NSP) and Nanoscale Silica Platelets (NSP) Inhibit the Development of f. sp. .. *ACS Applied Bio Materials*, **2019**, 2, 4978-4985	4.1	4
190	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	9.5	16
189	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*, **2019**, 10,	5.4	6
188	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	8.9	46
187	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	6.4	12
186	Thermo-responsive nanoarrays of silver nanoparticle, silicate nanoplatelet and PNiPAAm for the antimicrobial applications. *Colloids and Surfaces B: Biointerfaces*, **2017**, 152, 459-466	6	17
185	A Method to Prepare Magnetic Nanosilicate Platelets for Effective Removal of Microcystis aeruginosa and Microcystin-LR. *Methods in Molecular Biology*, **2017**, 1600, 85-94	1.4	2
184	Phase change materials of fatty amine-modified silicate clays of nano layered structures. *RSC Advances*, **2017**, 7, 23530-23534	3.7	5
183	Functionalizing and molecular bonding nanoscale silicate-polymer composites of epoxies and Polyacrylates. *Journal of Polymer Research*, **2017**, 24, 1	2.7	2
182	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	5.7	7
181	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	8.3	30
180	Unusual exfoliation of layered silicate clays by non-aqueous amine diffusion mechanism. *Journal of Polymer Research*, **2016**, 23, 1	2.7	2

179	ZnO double layer film with a novel organic sensitizer as an efficient photoelectrode for dye‐sensitized solar cells. *Journal of Power Sources*, **2016**, 325, 209-219	8.9	14
178	Organically modified clays as rheology modifiers and dispersing agents for epoxy packing of white LED. *Composites Science and Technology*, **2016**, 132, 9-15	8.6	15
177	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, 15267-78	9.5	34
176	First Observation of Physically Capturing and Maneuvering Bacteria using Magnetic Clays. *ACS Applied Materials & Interfaces*, **2016**, 8, 411-8	9.5	18
175	A Novel Gel Electrolyte Based on Polyurethane for Highly Efficient in Dye-sensitized Solar Cells. *Journal of Polymer Research*, **2016**, 23, 1	2.7	6
174	Highly transparent and flexible polyimide‐AgNW hybrid electrodes with excellent thermal stability for electrochromic applications and defogging devices. *Journal of Materials Chemistry C*, **2015**, 3, 3629-3635	7.1	64
173	Efficient titanium nitride/titanium oxide composite photoanodes for dye-sensitized solar cells and water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 4695-4705	13	45
172	Interaction of novel fluorescent nanoscale ionic silicate platelets with biomaterials for biosensors. *ACS Applied Materials & Interfaces*, **2015**, 7, 10771-8	9.5	4
171	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	8.4	3
170	Immobilization of silver nanoparticles on exfoliated mica nanosheets to form highly conductive nanohybrid films. *Nanotechnology*, **2015**, 26, 465702	3.4	7
169	Morphological Influence of Polypyrrole Nanoparticles on the Performance of Dye‐Sensitized Solar Cells. *Electrochimica Acta*, **2015**, 155, 263-271	6.7	39
168	Surfactant-modified nanoclay exhibits an antiviral activity with high potency and broad spectrum. *Journal of Virology*, **2014**, 88, 4218-28	6.6	26
167	Dye-sensitized solar cells with reduced graphene oxide as the counter electrode prepared by a green photothermal reduction process. *ChemPhysChem*, **2014**, 15, 1175-81	3.2	53
166	Effective removal of Microcystis aeruginosa and microcystin-LR using nanosilicate platelets. *Chemosphere*, **2014**, 99, 49-55	8.4	15
165	Fine dispersion of phosphazene-amines and silicate platelets in epoxy nanocomposites and the synergistic fire-retarding effect. *Journal of Polymer Research*, **2014**, 21, 1	2.7	6
164	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	7.3	26
163	Clay films with variable metal ions and self-assembled silicate layer-void nanostructures. *RSC Advances*, **2014**, 4, 6356	3.7	
162	First evidence of singlet oxygen species mechanism in silicate clay for antimicrobial behavior. *Applied Clay Science*, **2014**, 99, 18-23	5.2	4

161	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	13	27
160	Novel polymer gel electrolyte with organic solvents for quasi-solid-state dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 18489-96	9.5	47
159	A composite catalytic film of Ni-NPs/PEDOT: PSS for the counter electrodes in dye-sensitized solar cells. *Electrochimica Acta*, **2014**, 146, 697-705	6.7	16
158	Selective SERS detecting of hydrophobic microorganisms by tricomponent nanohybrids of silver-silicate-platelet-surfactant. *ACS Applied Materials & Interfaces*, **2014**, 6, 1541-9	9.5	24
157	Tailoring pigment dispersants with polyisobutylene twin-tail structures for electrowetting display application. *ACS Applied Materials & Interfaces*, **2014**, 6, 14345-52	9.5	12
156	Polymer-assisted self-assembly of silver nanoparticles into interconnected morphology and enhanced surface electric conductivity. *RSC Advances*, **2014**, 4, 15098	3.7	16
155	Inhibition of fumonisin B1 cytotoxicity by nanosilicate platelets during mouse embryo development. *PLoS ONE*, **2014**, 9, e112290	3.7	9
154	Nanohybrids of silver particles on clay platelets delaminate Pseudomonas biofilms. *Nanomedicine*, **2014**, 9, 1019-33	5.6	1
153	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, 20324-33	9.5	15
152	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		1
151	Intercalation strategies in clay/polymer hybrids. *Progress in Polymer Science*, **2014**, 39, 443-485	29.6	210
150	Transparent graphene–platinum nanohybrid films for counter electrodes in high efficiency dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 8742	13	27
149	Novel solution-processable fluorene-based polyimide/TiO2 hybrids with tunable memory properties. *Polymer Chemistry*, **2013**, 4, 4570	4.9	26
148	Facile fabrication of robust superhydrophobic epoxy film with polyamine dispersed carbon nanotubes. *ACS Applied Materials & Interfaces*, **2013**, 5, 538-45	9.5	43
147	Polymer-assisted dispersion of carbon nanotubes and silver nanoparticles and their applications. *RSC Advances*, **2013**, 3, 22436	3.7	2
146	A stepwise mechanism for intercalating hydrophobic organics into multilayered clay nanostructures. *RSC Advances*, **2013**, 3, 12847	3.7	12
145	Orderly arranged NLO materials on exfoliated layered templates based on dendrons with alternating moieties at the periphery. *Polymer Chemistry*, **2013**, 4, 2747	4.9	9
144	Flexible, optically transparent, high refractive, and thermally stable polyimide–TiO2 hybrids for anti-reflection coating. *RSC Advances*, **2013**, 3, 17048	3.7	33

143	Evaluation of the antibacterial activity and biocompatibility for silver nanoparticles immobilized on nano silicate platelets. *ACS Applied Materials & Interfaces*, **2013**, 5, 433-43	9.5	72
142	Enhanced performance of a dye-sensitized solar cell with an amphiphilic polymer-gelled ionic liquid electrolyte. *Journal of Materials Chemistry A*, **2013**, 1, 3055	13	24
141	A platinum film with organized pores for the counter electrode in dye-sensitized solar cells. *Journal of Power Sources*, **2013**, 239, 496-499	8.9	14
140	Amphiphilic silver-delaminated clay nanohybrids and their composites with polyurethane: physico-chemical and biological evaluations. *Journal of Materials Chemistry B*, **2013**, 1, 2178-2189	7.3	11
139	A novel polymer gel electrolyte for highly efficient dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 8471	13	71
138	First fabrication of electrowetting display by using pigment-in-oil driving pixels. *ACS Applied Materials & Interfaces*, **2013**, 5, 5914-20	9.5	18
137	Enhancing silver nanoparticle and antimicrobial efficacy by the exfoliated clay nanoplatelets. *RSC Advances*, **2013**, 3, 7392	3.7	12
136	Dye-sensitized solar cells with low-cost catalytic films of polymer-loaded carbon black on their counter electrode. *RSC Advances*, **2013**, 3, 5871	3.7	28
135	Self-assembled clay films with a platelet-void multilayered nanostructure and flame-blocking properties. *Scientific Reports*, **2013**, 3, 2621	4.9	14
134	First Evidence of Singlet Oxygen Species Mechanism in Silicate Clay for Antimicrobial Behavior. *Materials Research Society Symposia Proceedings*, **2013**, 1569, 67-72		
133	Fabrication of Flexible and Conductive Graphene-Silver Films by Polymer Dispersion and Coating Method. *Materials Research Society Symposia Proceedings*, **2013**, 1547, 35-41		
132	Effect of Photo-initiator on Photosensitive Emission Polymer. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2013**, 26, 757-764	0.7	1
131	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	8.9	32
130	Self-assembly behavior of polymer-assisted clays. *Progress in Polymer Science*, **2012**, 37, 406-444	29.6	96
129	Mg□Al Layered Double Hydroxides Intercalated with Polyetheramidoacids and Exhibiting a pH-Responsive Releasing Property. *Industrial & Engineering Chemistry Research*, **2012**, 51, 581-586	3.9	6
128	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	5.3	13
127	Performance of Graphene Mediated Saturable Absorber on Stable Mode-Locked Fiber Lasers Employing Different Nano-Dispersants. *Journal of Lightwave Technology*, **2012**, 30, 3413-3419	4	2
126	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		18

125	Facile fabrication of PtNP/MWCNT nanohybrid films for flexible counter electrode in dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 3185		40
124	Polymer-dispersed MWCNT gel electrolytes for high performance of dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 6982		52
123	Controlled self-assemblies of clay silicate platelets by organic salt modifier. *RSC Advances*, **2012**, 2, 8410	3.7	3
122	Characterization, antimicrobial activities, and biocompatibility of organically modified clays and their nanocomposites with polyurethane. *ACS Applied Materials & Interfaces*, **2012**, 4, 338-50	9.5	50
121	Biocompatibility and antimicrobial evaluation of montmorillonite/chitosan nanocomposites. *Applied Clay Science*, **2012**, 56, 53-62	5.2	62
120	A dual-functional Pt/CNT TCO-free counter electrode for dye-sensitized solar cell. *Journal of Materials Chemistry*, **2012**, 22, 25311		27
119	Effect of grafting architecture on the surfactant-like behavior of clay-poly(NiPAAm) nanohybrids. *Journal of Colloid and Interface Science*, **2012**, 387, 106-14	9.3	8
118	Molecular-level dispersion of phosphazene□clay hybrids in polyurethane and synergistic influences on thermal and UV resistance. *Polymer*, **2012**, 53, 4060-4068	3.9	9
117	Controlling formation of silver/carbon nanotube networks for highly conductive film surface. *ACS Applied Materials & Interfaces*, **2012**, 4, 1449-55	9.5	30
116	The cellular responses and antibacterial activities of silver nanoparticles stabilized by different polymers. *Nanotechnology*, **2012**, 23, 065102	3.4	61
115	Nanohybrids of silver particles immobilized on silicate platelet for infected wound healing. *PLoS ONE*, **2012**, 7, e38360	3.7	19
114	Efficacy and safety of nanohybrids comprising silver nanoparticles and silicate clay for controlling Salmonella infection. *International Journal of Nanomedicine*, **2012**, 7, 2421-32	7.3	17
113	Hierarchical Transformation of Silver Morphologies on Clay Film from Spheres, Cubes, Rods to Lengthy Nano-Wires. *Materials Research Society Symposia Proceedings*, **2012**, 1450, 19		1
112	Enhanced Performance of Dye Sensitized Solar Cell by the Novel Composite TiO2/POEM Photoanodes. *Materials Research Society Symposia Proceedings*, **2012**, 1442, 19		
111	Clay-mediated synthesis of silver nanoparticles exhibiting low-temperature melting. *Langmuir*, **2011**, 27, 11690-6	4	31
110	Inhibition of Bacterial Growth by the Exfoliated Clays and Observation of Physical Capturing Mechanism. *Journal of Physical Chemistry C*, **2011**, 115, 18770-18775	3.8	21
109	Pulse shortening mode-locked fiber laser by thickness and concentration product of carbon nanotube based saturable absorber. *Optics Express*, **2011**, 19, 4036-41	3.3	25
108	Novel nanohybrids of silver particles on clay platelets for inhibiting silver-resistant bacteria. *PLoS ONE*, **2011**, 6, e21125	3.7	54

107	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, 635-9	9.3	29
106	The biocompatibility and antimicrobial activity of nanocomposites from polyurethane and nano silicate platelets. *Journal of Biomedical Materials Research - Part A*, **2011**, 99, 192-202	5.4	8
105	Self-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	2.9	1
104	Self-Assembled Superstructures of Polymer-Grafted Nanoparticles: Effects of Particle Shape and Matrix Polymer. *Journal of Physical Chemistry C*, **2011**, 115, 5566-5577	3.8	53
103	Well-Defined Polyamide Synthesis from Diisocyanates and Diacids Involving Hindered Carbodiimide Intermediates. *Macromolecules*, **2011**, 44, 46-59	5.5	15
102	Clay-assisted dispersion of organic pigments in water. *Dyes and Pigments*, **2011**, 90, 21-27	4.6	25
101	Tandem synthesis of silver nanoparticles and nanorods in the presence of poly(oxyethylene)-amidoacid template. *European Polymer Journal*, **2011**, 47, 1383-1389	5.2	8
100	Preparation of high energy fuel JP-10 by acidity-adjustable chloroaluminate ionic liquid catalyst. *Fuel*, **2011**, 90, 1012-1017	7.1	39
99	Thin film morphologies of pi-conjugated rod-coil block copolymers with thermoresponsive property: a combined experimental and molecular simulation study. *Journal of Chemical Physics*, **2010**, 132, 214901	3.9	4
98	Hydrophobic Modification of Layered Clays and Compatibility for Epoxy Nanocomposites. *Materials* , **2010**, 3, 2588-2605	3.5	37
97	Nanohybrids of magnetic iron-oxide particles in hydrophobic organoclays for oil recovery. *ACS Applied Materials & Interfaces*, **2010**, 2, 1349-54	9.5	47
96	Aqueous dispersion of conjugated polymers by colloidal clays and their film photoluminescence. *Journal of Physical Chemistry B*, **2010**, 114, 1897-902	3.4	8
95	General Intercalation of Poly(oxyalkylene)Â Amidoacids for Anionic and Cationic Layered Clays. *Industrial & Engineering Chemistry Research*, **2010**, 49, 5001-5005	3.9	10
94	Copper-ion-assisted self-assembly of silicate clays in rod- and disklike morphologies. *Langmuir*, **2010**, 26, 10177-82	4	1
93	Mechanism of Silicate Platelet Self-Organization during Clay-Initiated Epoxy Polymerization. *Journal of Physical Chemistry C*, **2010**, 114, 10373-10378	3.8	10
92	Poly(N-isopropylacrylamide)-tethered silicate platelets for colloidal dispersion of conjugated polymers with thermoresponsive and photoluminescence properties. *Langmuir*, **2010**, 26, 10572-7	4	7
91	Concentration effect of carbon nanotube based saturable absorber on stabilizing and shortening mode-locked pulse. *Optics Express*, **2010**, 18, 3592-600	3.3	73
90	Evaluation on cytotoxicity and genotoxicity of the exfoliated silicate nanoclay. *ACS Applied Materials & Interfaces*, **2010**, 2, 1608-13	9.5	97

89	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		127
88	Synergistic effect of silicate clay and phosphazene-oxyalkyleneamines on thermal stability of cured epoxies. *Journal of Colloid and Interface Science*, **2010**, 343, 209-16	9.3	12
87	Hierarchical synthesis of silver nanoparticles and wires by copolymer templates and visible light. *Journal of Colloid and Interface Science*, **2010**, 352, 81-6	9.3	15
86	Isomerization of endo-tetrahydrodicyclopentadiene over clay-supported chloroaluminate ionic liquid catalysts. *Journal of Molecular Catalysis A*, **2010**, 315, 69-75		30
85	Enhancing the performance of dye-sensitized solar cells by incorporating nanomica in gel electrolytes?. *Solar Energy Materials and Solar Cells*, **2010**, 94, 668-674	6.4	44
84	The disruption of bacterial membrane integrity through ROS generation induced by nanohybrids of silver and clay. *Biomaterials*, **2009**, 30, 5979-87	15.6	385
83	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	6.4	44
82	Temperature and pH-responsive properties of poly(styrene-co-maleic anhydride)-grafting poly(oxypropylene)-amines. *Journal of Colloid and Interface Science*, **2009**, 336, 82-9	9.3	12
81	Synthesis of acrylic copolymers consisting of multiple amine pendants for dispersing pigment. *Journal of Colloid and Interface Science*, **2009**, 334, 42-9	9.3	17
80	Hierarchical rearrangement of self-assembled molecular bundle strands from poly(oxyethylene)-segmented amido acids. *Journal of Physical Chemistry B*, **2009**, 113, 6240-5	3.4	2
79	Thermoresponsive Dual-Phase Transition and 3D Self-Assembly of Poly(N-Isopropylacrylamide) Tethered to Silicate Platelets. *Chemistry of Materials*, **2009**, 21, 4071-4079	9.6	16
78	Simultaneous Occurrence of Self-Assembling Silicate Skeletons to Wormlike Microarrays and Epoxy Ring-Opening Polymerization. *Macromolecules*, **2009**, 42, 4362-4365	5.5	5
77	Antimicrobial activities and cellular responses to natural silicate clays and derivatives modified by cationic alkylamine salts. *ACS Applied Materials & Interfaces*, **2009**, 1, 2556-64	9.5	28
76	Observation of carbon nanotube and clay micellelike microstructures with dual dispersion property. *Journal of Physical Chemistry A*, **2009**, 113, 8654-9	2.8	57
75	Synthesis of immobilized silver nanoparticles on ionic silicate clay and observed low-temperature melting. *Journal of Materials Chemistry*, **2009**, 19, 2184		39
74	Passively mode-locked lasers using saturable absorber incorporating dispersed single-wall carbon nanotubes **2009**,		3
73	Isomerization of exo-tetrahydrodicyclopentadiene to adamantane using an acidity-adjustable chloroaluminate ionic liquid. *Catalysis Communications*, **2009**, 10, 1747-1751	3.2	20
72	Hydrophobic Intercalation of Layered Silicate Clays and Hierarchical Self-Assemblies via Platelet-Shape Directing. *Macromolecular Symposia*, **2009**, 279, 119-124	0.8	1

71	High Electromagnetic Shielding of a 2.5-Gbps Plastic Transceiver Module Using Dispersive Multiwall Carbon Nanotubes. *Journal of Lightwave Technology*, **2008**, 26, 1256-1262	4	8
70	Self-Assembly of Lamellar Clays to Hierarchical Microarrays. *Journal of Physical Chemistry C*, **2008**, 112, 9637-9643	3.8	7
69	Layered inorganic/enzyme nanohybrids with selectivity and structural stability upon interacting with biomolecules. *Bioconjugate Chemistry*, **2008**, 19, 138-44	6.3	20
68	Self-Piling Silicate Rods and Dendrites from High Aspect-Ratio Clay Platelets. *Journal of Physical Chemistry C*, **2008**, 112, 17940-17944	3.8	17
67	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	0.7	
66	Optical Non-Linearity from Montmorillonite Intercalated with a Chromophore-Containing Dendritic Structure: A Self-Assembly Approach. *Macromolecular Rapid Communications*, **2008**, 29, 587-592	4.8	21
65	Preparation of clay/epoxy nanocomposites by layered-double-hydroxide initiated self-polymerization. *Polymer*, **2008**, 49, 4796-4801	3.9	43
64	Exfoliation of smectite clays by branched polyamines consisting of multiple ionic sites. *European Polymer Journal*, **2008**, 44, 628-636	5.2	31
63	Self-doping effects on the morphology, electrochemical and conductivity properties of self-assembled polyanilines. *Thin Solid Films*, **2008**, 517, 500-505	2.2	32
62	Self-aligned nematic crystallization of poly(oxypropylene)amine intercalated silicates on toluene/water interface. *Materials Science and Engineering C*, **2008**, 28, 1352-1355	8.3	2
61	Formation of hierarchical molecular assemblies from poly(oxypropylene)-segmented amido acids under AFM tapping. *Langmuir*, **2007**, 23, 4108-11	4	4
60	Mechanistic Aspects of Clay Intercalation with Amphiphilic Poly(styrene-co-maleic anhydride)-Grafting Polyamine Salts. *Macromolecules*, **2007**, 40, 1579-1584	5.5	25
59	Thermoresponsive Behaviors of Poly(oxypropylene)-amidoamine Functionalized Carbon Nanotubes. *Journal of Physical Chemistry C*, **2007**, 111, 13016-13021	3.8	6
58	Fine Dispersion of Hydrophobic Silicate Platelets in Anhydride-Cured Epoxy Nanocomposites. *Industrial & Engineering Chemistry Research*, **2007**, 46, 7384-7388	3.9	17
57	Preparation of protein-silicate hybrids from polyamine intercalation of layered montmorillonite. *Langmuir*, **2007**, 23, 1995-9	4	56
56	Easy preparation of crosslinked polymer films from polyoxyalkylene diamine and poly(styrene-*alt*-maleic anhydride) for electrostatic dissipation. *Journal of Applied Polymer Science*, **2007**, 103, 716-723	2.9	1
55	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	5.1	22
54	Organo-clay hybrids based on dendritic molecules: preparation and characterization. *Nanotechnology*, **2007**, 18, 205606	3.4	27

53	Diaryl Iodonium Photo Cleavage in Smectic Silicate Cell. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2007**, 20, 77-82	0.7	1
52	Electromagnetic Shielding Performance for a 2.5 Gb/s Plastic Transceiver Module Using Dispersive Multiwall Carbon Nanotubes **2007**,		2
51	Layered confinement of protein in synthetic fluorinated mica via stepwise polyamine exchange. *Journal of Physical Chemistry B*, **2007**, 111, 10275-80	3.4	17
50	Clay as a dispersion agent in anode catalyst layer for PEMFC. *Journal of Power Sources*, **2006**, 163, 398-402	3.9	19
49	N-Aryl Acylureas as Intermediates in Sequential Self-Repetitive Reactions To Form Poly(amide-imide)s. *Macromolecules*, **2006**, 39, 12-14	5.5	20
48	First isolation of individual silicate platelets from clay exfoliation and their unique self-assembly into fibrous arrays. *Journal of Physical Chemistry B*, **2006**, 110, 18115-20	3.4	69
47	Functionalizing multi-walled carbon nanotubes with poly(oxyalkylene)-amidoamines. *Nanotechnology*, **2006**, 17, 3197-3203	3.4	28
46	Synthesis and interfacial behaviors of amphiphilic poly(oxypropylene) amidoacids. *Journal of Polymer Science Part A*, **2006**, 44, 646-652	2.5	2
45	Kinetics of styrene emulsion polymerization in the presence of montmorillonite. *European Polymer Journal*, **2006**, 42, 1033-1042	5.2	21
44	Exfoliation of Montmorillonite Clay by Mannich Polyamines with Multiple Quaternary Salts. *Macromolecules*, **2005**, 38, 6240-6243	5.5	55
43	Formation of molecular bundles from self-assembly of symmetrical poly(oxyalkylene)-diamido acids. *Journal of Physical Chemistry B*, **2005**, 109, 13510-4	3.4	5
42	One-Step Exfoliation of Montmorillonite via Phase Inversion of Amphiphilic Copolymer Emulsion. *Macromolecules*, **2005**, 38, 230-233	5.5	33
41	Emulsion intercalation of smectite clays with comb-branched copolymers consisting of multiple quaternary amine salts and a poly(styrene-butadiene-styrene) backbone. *Langmuir*, **2005**, 21, 7023-8	4	18
40	Comparisons of Physical Properties of Intercalated and Exfoliated Clay/Epoxy Nanocomposites. *Industrial & Engineering Chemistry Research*, **2005**, 44, 2086-2090	3.9	50
39	Fine Dispersion and Property Differentiation of Nanoscale Silicate Platelets and Spheres in Epoxy Nanocomposites. *Polymer Journal*, **2005**, 37, 239-245	2.7	13
38	Unusual Intercalation of Cationic Smectite Clays with Detergent-Ranged Carboxylic Ions. *Macromolecular Rapid Communications*, **2005**, 26, 1841-1845	4.8	27
37	Synthesis and properties of cross-linkable macromers from the selective substitution of poly(oxyalkylene)-amines and cyanuric chloride. *Polymer*, **2005**, 46, 4619-4626	3.9	3
36	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	2.7	10

35	Formation Mechanism and Characterization of Ag Metal Chelate Polymer Prepared by a Wet Chemical Process. *Japanese Journal of Applied Physics*, **2005**, 44, 6332-6340	1.4	9
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