Pakorn Opaprakasit

List of Publications by Year in Descending Order

52 papers	690 citations	15 h-index	24 g-index
53 ext. papers	801 ext. citations	3.5 avg, IF	4.09 L-index

#	Paper	IF	Citations
52	Halogen-free green and mild process to generate N-oxoammonium cations for use in oxidation of hydroxyls and its quantitative analysis technique and optimization. *Chemical Engineering Journal*, **2022**, 429, 132554	14.7	0
51	Effects of Benzalkonium Chloride Contents on Structures, Properties, and Ultrafiltration Performances of Chitosan-Based Nanocomposite Membranes.. *Membranes*, **2022**, 12,	3.8	1
50	Biocompatible Degradable Hollow Nanoparticles from Curable Copolymers of Polylactic Acid for UV-Shielding Cosmetics. *ACS Applied Nano Materials*, **2022**, 5, 4473-4483	5.6	
49	Conversion Mechanisms of Nitroxyl Radical (TEMPO), Oxoammonium Cation, and Hydroxylamine in Aqueous Solutions: Two-Dimensional Correlation Ultraviolet-Visible Spectroscopy. *Applied Spectroscopy*, **2021**, 75, 325-335	3.1	2
48	Toughened chitosan-based composite membranes with antibiofouling and antibacterial properties incorporation of benzalkonium chloride.. *RSC Advances*, **2021**, 11, 16814-16822	3.7	3
47	Ultrasonic Synthesis of Nanochitosan and Its Size Effects on Turbidity Removal and Dealkalization in Wastewater Treatment. *Inventions*, **2021**, 6, 98	2.9	1
46	Osmotic-Tension-Induced Membrane Lateral Organization. *Langmuir*, **2020**, 36, 2937-2945	4	4
45	Electrospun Nanofibers with Superhydrophobicity Derived from Degradable Polylactide for Oil/Water Separation Applications. *Journal of Polymers and the Environment*, **2020**, 28, 1484-1491	4.5	10
44	Self-assembly of amphiphilic poly(styrene--acrylic acid) on magnetic latex particles and their application as a reusable scale inhibitor.. *RSC Advances*, **2020**, 10, 41187-41196	3.7	1
43	Synthesis and quantitative analyses of acrylamide-grafted poly(lactide-co-glycidyl methacrylate) amphiphilic copolymers for environmental and biomedical applications. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 225, 117447	4.4	3
42	Insight into the ultrasonication of graphene oxide with strong changes in its properties and performance for adsorption applications. *Chemical Engineering Journal*, **2019**, 373, 1212-1222	14.7	26
41	Characterizations of modified cassava starch with long chain fatty acid chlorides obtained from esterification under low reaction temperature and its PLA blending. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2018**, 55, 253-259	2.2	9
40	Preparation of TiO2-loaded electrospun fibers of polylactide/poly(vinylpyrrolidone) blends for use as catalysts in epoxidation of unsaturated oils. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	7
39	Effects of UV/Photo-Initiator Treatments on Enhancement of Crystallinity of Polylactide Films and Their Physicochemical Properties. *Journal of Polymers and the Environment*, **2018**, 26, 2793-2802	4.5	3
38	Curable precursors derived from chemical recycling of poly(ethylene terephthalate) and polylactic acid and physical properties of their thermosetting (co)polyesters. *Polymer Bulletin*, **2018**, 75, 395-414	2.4	10
37	Divergent mechanisms for thermal reduction of graphene oxide and their highly different ion affinities. *Diamond and Related Materials*, **2018**, 89, 246-256	3.5	31
36	Development and Characterization of Photoinduced Acrylamide-Grafted Polylactide Films for Biomedical Applications. *International Journal of Polymer Science*, **2017**, 2017, 1-11	2.4	2

35	Quantitative Analysis of Polyacrylamide Grafted on Polylactide Film Surfaces Employing Spectroscopic Techniques. *Applied Spectroscopy*, **2017**, 71, 2457-2468	3.1	2
34	Effective removal of cesium by pristine graphene oxide: performance, characterizations and mechanisms. *RSC Advances*, **2017**, 7, 38747-38756	3.7	19
33	Polylactic acid glycolysate as a cross-linker for epoxidized natural rubber: Effect of cross-linker molecular weight. *Journal of Elastomers and Plastics*, **2016**, 48, 105-121	1.6	10
32	Preparation of Surface-Modified Silica Particles from Rice Husk Ash and Its Composites with Degradable Polylactic Acid. *Macromolecular Symposia*, **2015**, 354, 48-54	0.8	5
31	[6]-Gingerol-loaded cellulose acetate electrospun fibers as a topical carrier for controlled release. *Polymer Bulletin*, **2014**, 71, 3163-3176	2.4	24
30	Preparation and properties of multi-branched poly(D-lactide) derived from polyglycidol and its stereocomplex blends. *EXPRESS Polymer Letters*, **2014**, 8, 779-789	3.4	19
29	Electrospinning of poly(l-lactide-co-dl-lactide) copolymers: Effect of chemical structures and spinning conditions. *Polymer Engineering and Science*, **2014**, 54, 472-480	2.3	4
28	Hollow latex particles functionalized with chitosan for the removal of formaldehyde from indoor air. *Carbohydrate Polymers*, **2014**, 101, 179-87	10.3	37
27	Curable polyester precursors from polylactic acid glycolyzed products. *Polymer Bulletin*, **2013**, 70, 2223-2238	2.4	13
26	Prussian blue-coated magnetic nanoparticles for removal of cesium from contaminated environment. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	113
25	Standard methods for characterizations of structure and hydrolytic degradation of aliphatic/aromatic copolyesters. *Polymer Degradation and Stability*, **2013**, 98, 169-176	4.7	15
24	Value Adding of Skim Natural Rubber by Grafting with Maleic Anhydride. *Advanced Materials Research*, **2013**, 844, 41-44	0.5	3
23	Development of crosslinkable poly(lactic acid-co-glycidyl methacrylate) copolymers and their curing behaviors. *Polymer Journal*, **2013**, 45, 406-412	2.7	14
22	Immobilization of fluorescein isothiocyanate on magnetic polymeric nanoparticle using chitosan as spacer. *Journal of Colloid and Interface Science*, **2012**, 377, 145-52	9.3	40
21	Polylactic acid/ethylene glycol triblock copolymer as novel crosslinker for epoxidized natural rubber. *Journal of Applied Polymer Science*, **2012**, 124, 164-174	2.9	10
20	Preparation and characterizations of naproxen-loaded magnetic nanoparticles coated with PLA-g-chitosan copolymer. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	17
19	Processability enhancement of poly(lactic acid-co-ethylene terephthalate) by blending with poly(ethylene-co-vinyl acetate), poly(3-hydroxybutyrate-co-3-hydroxyvalerate), and poly(butylene succinate). *Polymer Bulletin*, **2011**, 67, 275-290	2.4	5
18	Synthesis and Characterizations of PLLA/PEG Block Copolymers. *Advanced Materials Research*, **2010**, 93-94, 198-201	0.5	5

17	Preparation and Characterizations of Electrospun Lactide-Based Polymeric Nanofibers. *Advanced Materials Research*, **2010**, 93-94, 377-380	0.5	
16	Polymeric disinfectant nanocapsules: effect of molecular weight of poly(methyl acrylate). *Journal of Biomedical Nanotechnology*, **2010**, 6, 385-90	4	
15	Composite Particles of Disinfectant Nanocapsules-Skim Rubber Latex. *International Journal of Polymer Analysis and Characterization*, **2010**, 15, 524-535	1.7	3
14	Synthesis and characterizations of degradable aliphatic-aromatic copolyesters from lactic acid, dimethyl terephthalate and diol: Effects of diol type and monomer feed ratio. *EXPRESS Polymer Letters*, **2010**, 4, 415-422	3.4	20
13	Effects of synthesis conditions on chemical structures and physical properties of copolyesters from lactic acid, ethylene glycol and dimethyl terephthalate. *EXPRESS Polymer Letters*, **2009**, 3, 458-468	3.4	16
12	Thermal Properties and Crystallization Behaviors of Polylactide and Its Enantiomeric Blends. *Macromolecular Symposia*, **2008**, 264, 113-120	0.8	14
11	Controlled-Release Materials for Fertilizer Based on Lactic Acid Polymers. *Advanced Materials Research*, **2008**, 55-57, 905-908	0.5	8
10	Synthesis and Characterization of PLA-Based Aliphatic-Aromatic Copolyesters: Effect of Diols. *Advanced Materials Research*, **2008**, 55-57, 785-788	0.5	1
9	Controlled-Release Material for Urea Fertilizer from Polylactic Acid. *Advanced Materials Research*, **2008**, 55-57, 897-900	0.5	7
8	Crystallization of polylactide and its stereocomplex investigated by two-dimensional fourier transform infrared correlation spectroscopy employing carbonyl overtones. *Applied Spectroscopy*, **2007**, 61, 1352-8	3.1	24
7	Kerogen Chemistry 2. Low-Temperature Anhydride Formation in Kerogens. *Energy & Fuels*, **2005**, 19, 145-151	4.1	12
6	Determination of the Glass-Transition Temperature of a Coal Extract, Using a Polymer Blend Methodology. *Energy & Fuels*, **2004**, 18, 1648-1655	4.1	3
5	Swelling of Clays inN-Methyl-2- pyrrolidinone/Carbon Disulfide Mixed Solvents. *Energy & Fuels*, **2004**, 18, 1704-1708	4.1	4
4	Concerning the Glass Transition Temperature of Coal. *Energy & Fuels*, **2003**, 17, 354-358	4.1	11
3	Ionomer-Like Structures and □Cation Interactions in Argonne Premium Coals. *Energy & Fuels*, **2002**, 16, 543-551	4.1	38
2	Intramolecular hydrogen bonding and calixarene-like structures in p-cresol/formaldehyde resins. *Journal of Molecular Structure*, **2001**, 570, 25-35	3.4	30
1	Ionomers and the Structure of Coal. *Energy & Fuels*, **2000**, 14, 1115-1118	4.1	31