

Narongrit Sombatsompop

List of Publications by Year in Descending Order

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

164
papers

3,051
citations

30
h-index

46
g-index

170
ext. papers

3,490
ext. citations

2.7
avg, IF

5.52
L-index

#	Paper	IF	Citations
164	Load-bearing capacity of wood polyvinyl chloride composite log-walls with openings strengthened with steel flat bars via experimental and numerical studies. <i>Structures</i> , 2022 , 37, 242-254	3.4	0
163	Promotion of polylactic acid biodegradation by a combined addition of PLA-degrading bacterium and nitrogen source under submerged and soil burial conditions. <i>Polymer Degradation and Stability</i> , 2021 , 188, 109562	4.7	10
162	Influence of reprocessing cycles on mechanical and antibacterial performances of hygienic in situ compatibilized PBS/PLA blends doped with HPQM. <i>Journal of Material Cycles and Waste Management</i> , 2021 , 23, 1893-1904	3.4	
161	Improvement of mechanical-antibacterial performances of AR/PMMA with TiO ₂ and HPQM treated by N-2(aminoethyl)-3-aminopropyl trimethoxysilane. <i>Journal of Reinforced Plastics and Composites</i> , 2021 , 40, 477-489	2.9	0
160	Enhanced X-ray shielding properties of NRL gloves with nano-Bi ₂ O ₃ and their mechanical properties under aging conditions. <i>Radiation Physics and Chemistry</i> , 2021 , 186, 109530	2.5	1
159	Temperature profiles and electric energy consumption for wood/Poly(vinyl chloride) composite and fibre cement board houses. <i>Journal of Building Engineering</i> , 2021 , 42, 102784	5.2	0
158	Soil Inoculation with <i>Pseudomonas geniculata</i> WS3 for Accelerating the Biodegradation Process of In Situ Compatibilized PBS/PLA Blends Doped with HPQM. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 1138-1149	4.5	8
157	Effect of poly(D-lactic acid) and cooling temperature on heat resistance and antibacterial performance of stereocomplex poly(L-lactic acid). <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48970	2.9	1
156	Enhancing electromagnetic interference shielding effectiveness for radiation vulcanized natural rubber latex composites containing multiwalled carbon nanotubes and silk textile. <i>Polymer Composites</i> , 2020 , 41, 3996-4009	3	5
155	Sm ₂ O ₃ /UHMWPE composites for radiation shielding applications: Mechanical and dielectric properties under gamma irradiation and thermal neutron shielding. <i>Radiation Physics and Chemistry</i> , 2019 , 164, 108366	2.5	23
154	Potential use of fly ash and bagasse ash as secondary abrasives in phenolic composites for eco-friendly brake pads applications. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 1296-1305	1.4	9
153	Mechanical properties and antibacterial performance of PMMA toughened with acrylic rubber containing 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate (HPQM) and HPQM absorbed on TiO ₂ particles. <i>Polymer Testing</i> , 2019 , 79, 106023	4.5	4
152	Isolation and role of polylactic acid-degrading bacteria on degrading enzymes productions and PLA biodegradability at mesophilic conditions. <i>Polymer Degradation and Stability</i> , 2018 , 152, 75-85	4.7	39
151	Material Formulations for AR/PMMA and AR-TiO ₂ /PMMA Blends and Effects of UV Radiation and Tio ₂ Loading on Mechanical and Antibacterial Performances. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1963-1976		4
150	Effects of DCP as a free radical producer and HPQM as a biocide on the mechanical properties and antibacterial performance of in situ compatibilized PBS/PLA blends. <i>Polymer Testing</i> , 2018 , 67, 331-341	4.5	16
149	Accelerating biodegradation of PLA using microbial consortium from dairy wastewater sludge combined with PLA-degrading bacterium. <i>International Biodeterioration and Biodegradation</i> , 2018 , 132, 74-83	4.8	36
148	Tribological properties of carbon nanotube as co-reinforcing additive in carbon black/acrylonitrile butadiene rubber composites for hydraulic seal applications. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 1255-1266	2.9	7

147	Wood, silver-substituted zeolite and triclosan as biodegradation controllers and antibacterial agents for poly(lactic acid) (PLA) and PLA composites. <i>Journal of Thermoplastic Composite Materials</i> , 2017 , 30, 583-598	1.9	7
146	Potential use of NR and wood/NR composites as thermal neutron shielding materials. <i>Polymer Testing</i> , 2017 , 59, 336-343	4.5	29
145	The effects of magnetic field-enhanced thermal spraying on the friction and wear characteristics of poly(ether-ether-ketone) coatings. <i>Wear</i> , 2017 , 372-373, 68-75	3.5	5
144	Flame retardancy, antifungal efficacies, and physical/mechanical properties for wood/polymer composites containing zinc borate. <i>Fire and Materials</i> , 2017 , 41, 675-687	1.8	6
143	Materials modification and die design for minimizing internal melt distortions of glass fiber/PP co-extrudates. <i>Polymer Testing</i> , 2017 , 57, 184-191	4.5	6
142	Uses of 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate and Terbutryn as algaeicides in low-density polyethylene mulching films for agricultural applications. <i>Journal of Plastic Film and Sheeting</i> , 2016 , 32, 97-116	2.4	2
141	Effects of simulation conditions on antibacterial performance of polypropylene and polystyrene doped with HPQM antibacterial agent. <i>Polymer Testing</i> , 2016 , 55, 123-134	4.5	8
140	Effect of PCL and Compatibility Contents on the Morphology, Crystallization and Mechanical Properties of PLA/PCL Blends. <i>Energy Procedia</i> , 2016 , 89, 198-206	2.3	46
139	Swelling and mechanical properties of (acrylonitrile-butadiene rubber)/(hydrogenated acrylonitrile-butadiene rubber) blends with precipitated silica filled in gasohol fuels. <i>Journal of Vinyl and Additive Technology</i> , 2016 , 22, 239-246	2	11
138	Formation of Escherichia coli biofilm on LLDPE sheets by incorporation of 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate or silver-substituted zeolite. <i>International Biodeterioration and Biodegradation</i> , 2016 , 109, 211-222	4.8	2
137	COTTON FIBER ALIGNMENT AND ITS EFFECT ON PROPERTIES OF HNBR VULCANIZATES: INFLUENCES OF SCORCH BEHAVIOR, FLOW DISTANCE, AND INJECTION PRESSURE. <i>Rubber Chemistry and Technology</i> , 2016 , 89, 436-449	1.7	1
136	Effect of temperature on mechanical properties and creep responses for wood/PVC composites. <i>Construction and Building Materials</i> , 2016 , 111, 191-198	6.7	20
135	Effects of UV-accelerated weathering and natural weathering conditions on anti-fungal efficacy of wood/PVC composites doped with propylene glycol-based HPQM. <i>EXPRESS Polymer Letters</i> , 2016 , 10, 289-301	3.4	11
134	Purification and Characterization of Silica from Sugarcane Bagasse Ash as a Reinforcing Filler in Natural Rubber Composites. <i>BioResources</i> , 2016 , 12,	1.3	17
133	Selection of a Pseudonocardia sp. RM423 that accelerates the biodegradation of poly(lactic) acid in submerged cultures and in soil microcosms. <i>International Biodeterioration and Biodegradation</i> , 2015 , 99, 23-30	4.8	42
132	Morphological and physical properties and friction/wear behavior of h-BN filled PEEK composite coatings. <i>Surface and Coatings Technology</i> , 2015 , 273, 20-29	4.4	26
131	Effects of Coir Fiber and Maleic Anhydride Modification on the Properties of Thermoplastic Starch/PLA Composite Laminates. <i>Journal of Natural Fibers</i> , 2015 , 12, 108-120	1.8	18
130	A Correlation between Reinforcing Effect and Antibacterial Performance of Carbon Black and Silica Filled Natural Rubber Vulcanizates Containing Hpqm-Based Neusilin. <i>Polymers and Polymer Composites</i> , 2015 , 23, 563-574	0.8	

129	Effects of solution and solid forms of 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate on antibacterial, physical and mechanical properties of polypropylene sheeting. <i>Journal of Plastic Film and Sheeting</i> , 2015 , 31, 248-268	2.4	8
128	Use of synthetic fibers as co-reinforcing agents in wood/PVC hybrid composites: effect on tribological properties. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 964-976	2.9	7
127	Thermal characteristics and temperature profile changes of structurally different polyethylenes with peroxide modifications. <i>Journal of Vinyl and Additive Technology</i> , 2014 , 20, 80-90	2	0
126	Cure and mechanical properties and abrasive wear behavior of natural rubber, styreneButadiene rubber and their blends reinforced with silica hybrid fillers. <i>Materials & Design</i> , 2014 , 53, 856-864		66
125	Cotton fibers reinforcement of HNBR: Control of fiber alignment and its influence on properties of HNBR vulcanizates. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	6
124	Effect of organoclay and silver-substituted zeolite on the mechanical and antibacterial properties of a silicone rubber filled with 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate. <i>Polymer Engineering and Science</i> , 2014 , 54, 932-941	2.3	5
123	Anti-fungal performance and mechanical morphological properties of PVC and wood/PVC composites under UV-weathering aging and soil-burial exposure. <i>International Biodeterioration and Biodegradation</i> , 2014 , 91, 128-137	4.8	28
122	Dry sliding wear behavior of SS316L composites containing h-BN and MoS2 solid lubricants. <i>Wear</i> , 2014 , 316, 37-48	3.5	59
121	Flow Properties and Melt Distortion in Molten Rubber Compounds under Capillary Extrusion: Effects of Vulcanizing Systems and Fillers. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2014 , 30, 129-144	1.7	4
120	Antifungal properties and material characteristics of PVC and wood/PVC composites doped with carbamate-based fungicides. <i>Polymer Engineering and Science</i> , 2014 , 54, 1248-1259	2.3	9
119	Effects of UV weathering on the mechanical and antibacterial performance of peroxide-cured silicone rubber containing biocide HPQM. <i>Journal of Vinyl and Additive Technology</i> , 2014 , 20, 49-56	2	9
118	Assessment and characterization of antifungal and antialgal performances for biocide-enhanced linear low-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 371-379	2.9	10
117	High impact strength and low wear of epoxy modified by a combination of liquid carboxyl terminated poly(butadiene-co-acrylonitrile) rubber and organoclay. <i>European Polymer Journal</i> , 2013 , 49, 1461-1470	5.2	51
116	The effects of choice of database and data retrieval methods on research performance evaluations of Asian universities. <i>Online Information Review</i> , 2013 , 37, 538-563	2	2
115	Effects of thermal and UV aging on antibacterial properties of linear low-density polyethylene and poly(vinyl chloride) films containing nano-silver colloid. <i>Journal of Plastic Film and Sheeting</i> , 2013 , 29, 144-162	2.4	11
114	Molecular characterizations, mechanical properties and anti-algal activities for PVC and wood/PVC composites containing urea- and triazine-based algaecides. <i>Composites Part B: Engineering</i> , 2013 , 53, 25-35	10	17
113	Crystallization and thermomechanical properties of PLA composites: Effects of additive types and heat treatment. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 215-223	2.9	53
112	Finite Element Simulation for Creep Response of Strengthened Wood/PVC Composite. <i>Advanced Materials Research</i> , 2013 , 747, 261-264	0.5	2

111	Comparative Studies on Wear Behaviour of Sintered 316L Stainless Steels Loaded with h-BN and MoS ₂ . <i>Advanced Materials Research</i> , 2013 , 747, 307-310	0.5	4
110	Antibacterial Ability of HPQM Base Neusilin/Natural Rubber Reinforced with Carbon Black. <i>Advanced Materials Research</i> , 2013 , 747, 455-458	0.5	1
109	Flow Properties and Melt Distortion in Molten Rubber Compounds under Capillary Extrusion. <i>Advanced Materials Research</i> , 2013 , 747, 627-630	0.5	0
108	Biodegradation and Anti-Bacterial Properties of PLA and Wood/PLA Composites Incorporated with Zeomic Anti-Bacterial Agent. <i>Advanced Materials Research</i> , 2013 , 747, 111-114	0.5	8
107	Use of Natural and Synthetic Fibers as Co-Reinforcing Agents on Abrasive Wear Behavior and Flexural Strength of Wood/PVC Composites. <i>Advanced Materials Research</i> , 2013 , 747, 347-350	0.5	1
106	Anti-Algal Performances for Biocide-Enhanced Low-Density Polyethylene Film. <i>Advanced Materials Research</i> , 2013 , 747, 481-484	0.5	2
105	Inhibition of Fungal Growth and Material Characteristics of PVC and Wood/PVC Composites Doped with Fungicides. <i>Advanced Materials Research</i> , 2013 , 747, 343-346	0.5	1
104	Scratch Resistance and Adhesion Properties of PEEK Coating Filled with h-BN Nanoparticles. <i>Advanced Materials Research</i> , 2013 , 747, 303-306	0.5	3
103	Antibacterial Efficacy and Mechanical Properties of Silica Reinforced Natural Rubber (NR) with HPQM Based Neusilin. <i>Advanced Materials Research</i> , 2013 , 747, 451-454	0.5	1
102	Antimicrobial performance and the cure and mechanical properties of peroxide-cured silicone rubber compounds. <i>Journal of Vinyl and Additive Technology</i> , 2013 , 19, 113-122	2	11
101	Cure behavior and antimicrobial performance of sulfur-cured natural rubber vulcanizates containing 2-hydroxypropyl-3-piperazinylquinolinecarboxylic acid methacrylate or silver-substituted zeolite. <i>Journal of Vinyl and Additive Technology</i> , 2013 , 19, 123-131	2	10
100	Anti-Bacterial Efficacies and Discolorations of Polypropylene Doped with HPQM Based Water Solution and Neusilin. <i>Advanced Materials Research</i> , 2013 , 747, 501-504	0.5	
99	Use of bagasse fiber ash as secondary filler in silica or carbon black filled natural rubber compound. <i>Materials & Design</i> , 2012 , 41, 74-82		37
98	Effect of blending conditions on mechanical, thermal, and rheological properties of plasticized poly(lactic acid)/maleated thermoplastic starch blends. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1012-1019	2.9	24
97	Melt strength, local velocity, and elongational viscosity profiles of low-density polyethylene filaments affected by the die design and process conditions. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 3751-3764	2.9	4
96	Shear and elongational flow properties of peroxide-modified wood/low-density polyethylene composite melts. <i>Polymer Composites</i> , 2012 , 33, 2084-2094	3	10
95	Dynamic mechanical analysis and tribological properties of NR vulcanizates with fly ash/precipitated silica hybrid filler. <i>Tribology International</i> , 2012 , 53, 134-141	4.9	36
94	Effects of wood constituents and content, and glass fiber reinforcement on wear behavior of wood/PVC composites. <i>Composites Part B: Engineering</i> , 2012 , 43, 2721-2729	10	52

93	Solar reflectance, surface adhesion, and thermal conductivity of wood/natural rubber composite sheet with TiO ₂ /polyurethane topcoat for roofing applications. <i>Journal of Vinyl and Additive Technology</i> , 2012 , 18, 184-191	2	11
92	Mechanical and tribological properties of epoxy modified by liquid carboxyl terminated poly(butadiene-co-acrylonitrile) rubber. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 361-369	2.9	29
91	Rheological properties and melt strength of LDPE during coextrusion process. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2187-2195	2.9	4
90	Rotating die technique for sharkskin minimization in highly viscous wood/PP composite melt in an extrusion die. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2312-2321	2.9	6
89	Preparation of modified starch-grafted poly(lactic acid) and a study on compatibilizing efficacy of the copolymers in poly(lactic acid)/thermoplastic starch blends. <i>Journal of Applied Polymer Science</i> , 2012 , 126, E389-E396	2.9	51
88	Enhancement of rubber-carbon black interaction by amine-based modifiers and their effect on viscoelastic and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012 , 126, E315-E321	2.9	10
87	Viewpoints on synergising ASEAN academic visibilities through research collaboration and the establishment of an ASEAN Citation Index Database1. <i>Asia Pacific Viewpoint</i> , 2011 , 52, 207-218	1.4	4
86	Effect of co-monomer ratio in ABS and wood content on processing and properties in wood/ABS composites. <i>Fibers and Polymers</i> , 2011 , 12, 1007-1013	2	11
85	Effects of UV weathering and a CeO ₂ -based coating layer on the mechanical and structural changes of wood/PVC composites. <i>Journal of Vinyl and Additive Technology</i> , 2011 , 17, 9-16	2	22
84	Mechanical strengths of molten and solidified LLDPE/LDPE blends and wood/LDPE composites under tensile deformation. <i>Journal of Vinyl and Additive Technology</i> , 2011 , 17, 164-176	2	4
83	Fly ash particles and precipitated silica as fillers in NR/CR vulcanizates under thermal and thermal-oil ageing. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1014-1023	3.2	11
82	Stabilizations of molecular structures and mechanical properties of PVC and wood/PVC composites by Tinuvin and TiO ₂ stabilizers. <i>Polymer Engineering and Science</i> , 2011 , 51, 1354-1365	2.3	28
81	A die rotating system for moderations of extrusion load and pressure drop profiles for molten PP and wood/polypropylene composites in extrusion processes. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1006-1016	2.9	11
80	Effect of chemical structure of thermoplastics on antibacterial activity and physical diffusion of triclosan doped in vinyl thermoplastics and their composites with CaCO ₃ . <i>Journal of Applied Polymer Science</i> , 2011 , 121, 253-261	2.9	23
79	Effects of incorporating technique and silver colloid content on antibacterial performance for thermoplastic films. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 3456-3465	2.9	18
78	Effects of Roller Speed, Die Temperature, Volumetric Flow Rate, and Multiple Extrusions on Mechanical Strength of Molten and Solidified LDPE under Tensile Deformation. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 1074-1086	1.4	8
77	Effect of h-BN Content on the Sintering of SS316L/h-BN Composites. <i>Advanced Materials Research</i> , 2011 , 410, 216-219	0.5	3
76	Anti-Fungal and Anti-Algal Performances of Biocides Filled PVC and Wood/PVC Composites. <i>Advanced Materials Research</i> , 2011 , 410, 75-78	0.5	1

75	Tribological Properties of Flame Sprayed Hexagonal Boron Nitride/Polyetheretherketone Coatings. <i>Advanced Materials Research</i> , 2011 , 410, 333-336	0.5	4
74	UV Weathering Effect on Antibacterial Performance in Silicone Rubber Compounds. <i>Advanced Materials Research</i> , 2011 , 410, 325-328	0.5	
73	Effect of Wood Flour on Structural and Thermal Properties and Antibacterial Activity of PLA Filled with Triclosan. <i>Advanced Materials Research</i> , 2011 , 410, 67-70	0.5	2
72	An Experimental Apparatus for Measurement of Elongational Flow Properties for LDPE Melt and the Effect of Testing Conditions. <i>Polymers and Polymer Composites</i> , 2010 , 18, 359-368	0.8	4
71	Effects of cross section design and testing conditions on the flexural properties of wood/PVC composite beams. <i>Journal of Vinyl and Additive Technology</i> , 2010 , 16, 33-41	2	20
70	Effects of cross-section design and loading direction on the creep and fatigue properties of wood/PVC composite beams. <i>Journal of Vinyl and Additive Technology</i> , 2010 , 16, 42-49	2	19
69	Effect of Co-Monomer Content on Rheological Property of Sawdust/ABS Composites. <i>Advanced Materials Research</i> , 2010 , 93-94, 611-614	0.5	3
68	Effects of silica based fillers, surface treatment and curing method on mechanical properties of silica/unsaturated polyester composites. <i>Macromolecular Research</i> , 2010 , 18, 372-379	1.9	13
67	Viscoelastic properties of nitrile rubber filled with lignite fly ash. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	1
66	Moderation of Entrance Pressure Drop and Extrudate Swelling of Wood Fiber/Polypropylene Composites Melt in Rotating-Die Extrusion Process. <i>Advanced Materials Research</i> , 2009 , 79-82, 1491-1494	0.5	1
65	The Effect of Excess Silane-69 Used for Surface Modification on Cure Characteristic and Mechanical Properties of Precipitated Silica Filled Natural Rubber (PSi/NR). <i>Advanced Materials Research</i> , 2009 , 79-82, 2171-2174	0.5	6
64	Viscoelastic properties of fly ash-filled natural rubber compounds: Effect of fly ash loading. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2552-2558	2.9	19
63	Mechanical and morphological properties of cellular NR/SBR vulcanizates under thermal and weathering ageing. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2816-2827	2.9	20
62	Processing technique and fiber orientation angle affecting the mechanical properties of E-glass fiber reinforced wood/PVC composites. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 3079-3088	5.3	66
61	Redistributed random sampling method for categorizing materials research publications from SCI database: Metallurgy and polymer subfields. <i>Scientometrics</i> , 2009 , 78, 13-21	3	1
60	Relationship on research publications and productivity-export volumes for natural rubber. <i>Scientometrics</i> , 2009 , 81, 393-405	3	
59	Reinforcement of compatibilized NR/NBR blends by fly ash particles and precipitated silica. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 448-458	3.2	30
58	Interfacial adhesion and molecular diffusion in melt lamination of wood sawdust/ebonite NR and EPDM. <i>Polymer Composites</i> , 2009 , 30, 248-256	3	10

57	Effect of chemical blowing agent on cell structure and mechanical properties of EPDM foam, and peel strength and thermal conductivity of wood/NR composite/EPDM foam laminates. <i>Composites Part B: Engineering</i> , 2009 , 40, 594-600	10	45
56	The Effect of Second Filler on Cure Characteristic and Mechanical Properties of Si-69 Treated Precipitate Silica/NR Composite. <i>Advanced Materials Research</i> , 2009 , 79-82, 2183-2186	0.5	5
55	Effects of Anti-Bacterial Agents, Sample Preparation and Contact Time on Anti-Bacterial Efficacy in MDPE Film. <i>Journal of Macromolecular Science - Physics</i> , 2009 , 48, 755-765	1.4	18
54	Blending Techniques Affecting Mechanical and Morphological Properties of Fly Ash/Ldpe and Caco3/LDPE Composites. <i>Polymers and Polymer Composites</i> , 2009 , 17, 281-290	0.8	4
53	Improvement of Structural and Thermal Stabilities of PVC and Wood/PVC Composite by Zn and Pb Stearates, and Zeolite. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008 , 45, 534-541	2.2	6
52	Hardness, adhesion index and microstructure of PEEK coating on Al or Fe substrate by LVOF flame spray. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 66-73	5.3	22
51	Article-count impact factor of materials science journals in SCI database. <i>Scientometrics</i> , 2008 , 75, 251-261	1	10
50	Effect of fly ash silica and precipitated silica fillers on the viscosity, cure, and viscoelastic properties of natural rubber. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1296-1304	3.2	35
49	Rheological properties, flow visualization and extrudate swell of NR compound by rotating-die rheometer. <i>Polymer Engineering and Science</i> , 2008 , 48, 1191-1198	2.3	10
48	Effects of silane and MAPE coupling agents on the properties and interfacial adhesion of wood-filled PVC/LDPE blend. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3523-3530	2.9	22
47	Fly ash particles and precipitated silica as fillers in rubbers. III. Cure characteristics and mechanical and oil-resistance properties of acrylonitrile-butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2877-2883	2.9	13
46	Dynamic Rebound Behavior of Silica/Natural Rubber Composites: Fly Ash Particles and Precipitated Silica. <i>Journal of Macromolecular Science - Physics</i> , 2007 , 46, 825-840	1.4	26
45	Fly-ash particles and precipitated silica as fillers in rubbers. II. Effects of silica content and Si69-treatment in natural rubber/styreneButadiene rubber vulcanizates. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3396-3405	2.9	43
44	Effect of molecular structure on extrudate swell behavior for different thermoplastic melts in an electro-magnetized die. <i>Polymer Engineering and Science</i> , 2007 , 47, 270-280	2.3	3
43	Categorization and trend of materials science research from Science Citation Index (SCI) database: A case study of ceramics, metallurgy, and polymer subfields. <i>Scientometrics</i> , 2007 , 71, 283-302	3	5
42	On adhesion mechanisms and interfacial strength in acrylonitrileButadieneEtyrene/wood sawdust composites. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 669-678	3.4	48
41	Mechanical and morphological properties of fly ash/epoxy composites using conventional thermal and microwave curing methods. <i>Composites Science and Technology</i> , 2007 , 67, 2282-2291	8.6	117
40	Mechanical Characterization of E-Chopped Strand Glass Fiber Reinforced Wood/PVC Composites. <i>Journal of Thermoplastic Composite Materials</i> , 2007 , 20, 535-550	1.9	33

39	Comparison of physical and mechanical properties of NR/carbon black/reclaimed rubber blends vulcanized by conventional thermal and microwave irradiation methods. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 5039-5048	2.9	29
38	Experimental analysis of temperature and crystallinity profiles of wood sawdust/polypropylene composites during cooling. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1896-1905	2.9	16
37	Effects of compatibilizer type and rubber-wood sawdust content on the mechanical, morphological, and thermal properties of PVC/LDPE blend. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 598-606	2.9	17
36	Degradation mechanism and mechanical properties of PVC in PVC-PE melt blends: Effects of molecular architecture, content, and MFI of PE. <i>Journal of Vinyl and Additive Technology</i> , 2006 , 12, 115-123	2.3	5
35	Effect of NaOH and Si69 treatments on the properties of fly ash/natural rubber composites*. <i>Polymer Composites</i> , 2006 , 27, 30-40	3	84
34	Scientific evaluations of citation quality of international research articles in the SCI database: Thailand case study. <i>Scientometrics</i> , 2006 , 66, 521-535	3	13
33	Magnetic Effects on Extrudate Swell of a Polystyrene Melt in Capillary Extrusion Dies. <i>Polymer Journal</i> , 2005 , 37, 541-544	2.7	4
32	A comparative study on extrudate swell ratio of polystyrene in a capillary rheometer and a single screw extruder. <i>Polymer Testing</i> , 2005 , 24, 948-952	4.5	7
31	Average mixing torque, tensile and impact properties, and thermal stability of poly(vinyl chloride)/sawdust composites with different silane coupling agents. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 213-221	2.9	50
30	Influence of type and concentration of maleic anhydride grafted polypropylene and impact modifiers on mechanical properties of PP/wood sawdust composites. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 475-484	2.9	142
29	Making an equality of ISI impact factors for different subject fields. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 676-683		32
28	An evaluation of research performance for different subject categories using Impact Factor Point Average (IFPA) index: Thailand case study. <i>Scientometrics</i> , 2005 , 65, 293-305	3	18
27	Extrudate swell and flow analysis of polystyrene melt flowing in an electro-magnetized die in a single screw extruder. <i>Polymers for Advanced Technologies</i> , 2005 , 16, 505-514	3.2	5
26	A modified method for calculating the Impact Factors of journals in ISI Journal Citation Reports: Polymer Science Category in 1997-2001. <i>Scientometrics</i> , 2004 , 60, 217-235	3	44
25	Die swell ratio of polystyrene melt from an electro-magnetized capillary die in an extrusion rheometer: effects of barrel diameter, shear rate and die temperature. <i>Polymers for Advanced Technologies</i> , 2004 , 15, 472-480	3.2	10
24	Structural changes of PVC in PVC/LDPE melt-blends: Effects of LDPE content and number of extrusions. <i>Polymer Engineering and Science</i> , 2004 , 44, 487-495	2.3	27
23	A parallel coextrusion technique for simultaneous measurements of radial die swell and velocity profiles of a polymer melt in a capillary rheometer. <i>Polymer Engineering and Science</i> , 2004 , 44, 1960-1969	2.3	12
22	Experimental studies on radial extrudate swell and velocity profiles of flowing PS melt in an electro-magnetized die of an extrusion rheometer. <i>Polymer Engineering and Science</i> , 2004 , 44, 2298-2307	2.3	16

21	Effect of moisture content on mechanical properties, thermal and structural stability and extrudate texture of poly(vinyl chloride)/wood sawdust composites. <i>Polymer International</i> , 2004 , 53, 1210-1218	3.3	105
20	Effects of acrylic-based processing aids on processibility, rheology, thermal and structural stability, and mechanical properties of PVC/wood sawdust composites. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 782-790	2.9	21
19	Analysis of low-density polyethylene-g-poly(vinyl chloride) copolymers formed in poly(vinyl chloride)/low-density polyethylene melt blends with gel permeation chromatography and solid-state ¹³ C-NMR. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 3167-3172	2.9	7
18	Fly ash particles and precipitated silica as fillers in rubbers. I. Untreated fillers in natural rubber and styrene-butadiene rubber compounds. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 2119-2130	2.9	105
17	A new experimental apparatus of electro-codeposited system for Ni/WC composite coatings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 381, 175-188	5.3	15
16	Experimental studies on extrudate swell behavior of PS and LLDPE melts in single and dual capillary dies. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1713-1722	2.9	9
15	Rheology, cure characteristics, physical and mechanical properties of tire tread reclaimed rubber/natural rubber compounds. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1723-1731	2.9	33
14	Processability, rheology, and thermal, mechanical, and morphological properties of postconsumer poly(vinyl chloride) bottles and cables. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 2738-2748	2.9	14
13	Effect of wood sawdust content on rheological and structural changes, and thermo-mechanical properties of PVC/sawdust composites. <i>Polymer International</i> , 2003 , 52, 1847-1855	3.3	79
12	Dynamic mechanical properties and swelling behaviour of NR/reclaimed rubber blends. <i>Materials Letters</i> , 2003 , 57, 3167-3174	3.3	87
11	Extrudate swell and texture of PS, LDPE, ABS, PVC melts and their blends in extrusion capillary flow using a magnetic die. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 509-517	2.9	12
10	Effects of the actual diameters and diameter ratios of barrels and dies on the elastic swell and entrance pressure drop of natural rubber in capillary die flow. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1762-1772	2.9	21
9	A New Experimental Method for Determining Simultaneously True Radial Temperature Profiles of Polymer Melts under Isothermal Capillary Flow. <i>Polymer Journal</i> , 2001 , 33, 491-494	2.7	9
8	Effects of glass-fiber content and coolant temperature on temperature and crystallinity profiles of PP melt during cooling. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2087-2097	2.9	8
7	Rheology, morphology, and mechanical and thermal properties of recycled PVC pipes. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2478-2486	2.9	26
6	Flow visualization and extrudate swell of natural rubber in a capillary rheometer: Effect of die/barrel system. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2525-2533	2.9	17
5	Effect of die design on flow visualization and die swell of NR in a capillary rheometer. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1405-1408		6
4	Temperature profiles of glass fibre-filled polypropylene melts in injection moulding. <i>Polymer Testing</i> , 2000 , 19, 713-724	4.5	6

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| 3 | Effect of screw rotating speed on polymer melt temperature profiles in twin screw extruder. <i>Journal of Materials Science</i> , 2000 , 35, 6131-6137 | 4.3 | 13 |
| 2 | A novel method for velocity profile measurements in flowing polymer melts. <i>Materials Research Innovations</i> , 1999 , 3, 107-111 | 1.9 | 7 |
| 1 | Cellular Bi ₂ O ₃ /natural rubber composites for light-weight and lead-free gamma-shielding materials and their properties under gamma irradiation. <i>Journal of Cellular Plastics</i> , 0021955X2199735 | 1.5 | |