

Narongrit Sombatsompop

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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 | 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 |
| 163 | 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 |
| 162 | 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 |
| 161 | Fly ash particles and precipitated silica as fillers in rubbers. I. Untreated fillers in natural rubber and styreneButadiene rubber compounds. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 2119-2130 | 2.9 | 105 |
| 160 | Dynamic mechanical properties and swelling behaviour of NR/reclaimed rubber blends. <i>Materials Letters</i> , 2003 , 57, 3167-3174 | 3.3 | 87 |
| 159 | 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 |
| 158 | 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 |
| 157 | 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 |
| 156 | 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 |
| 155 | Dry sliding wear behavior of SS316L composites containing h-BN and MoS2 solid lubricants. <i>Wear</i> , 2014 , 316, 37-48 | 3.5 | 59 |
| 154 | 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 |
| 153 | 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 |
| 152 | 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 |
| 151 | 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 |
| 150 | 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 |
| 149 | On adhesion mechanisms and interfacial strength in acrylonitrileButadieneStyrene/wood sawdust composites. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 669-678 | 3.4 | 48 |
| 148 | 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 |

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|-----|---|-----|----|
| 147 | 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 |
| 146 | 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 |
| 145 | Fly-ash particles and precipitated silica as fillers in rubbers. II. Effects of silica content and Si69-treatment in natural rubber/styrene-butadiene rubber vulcanizates. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3396-3405 | 2.9 | 43 |
| 144 | Selection of a <i>Pseudonocardia</i> 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 |
| 143 | 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 |
| 142 | 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 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | Potential use of NR and wood/NR composites as thermal neutron shielding materials. <i>Polymer Testing</i> , 2017 , 59, 336-343 | 4.5 | 29 |
| 133 | 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 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 |

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| 129 | 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 |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | 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 |
| 119 | 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 |
| 118 | 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 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | 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 |
| 112 | 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 |

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| 111 | 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 |
| 110 | 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 |
| 109 | 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 |
| 108 | Molecular characterizations, mechanical properties and anti-algal activities for PVC and wood/PVC composites containing urea- and triazine-based algacides. <i>Composites Part B: Engineering</i> , 2013 , 53, 25-35 | 10 | 17 |
| 107 | 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 |
| 106 | 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 |
| 105 | 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 |
| 104 | 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 |
| 103 | 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 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |

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| 93 | 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 |
| 92 | 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 |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | 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 |
| 85 | 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 |
| 84 | Shear and elongational flow properties of peroxide-modified wood/low-density polyethylene composite melts. <i>Polymer Composites</i> , 2012 , 33, 2084-2094 | 3 | 10 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | Article-count impact factor of materials science journals in SCI database. <i>Scientometrics</i> , 2008 , 75, 251-261 | | 10 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |

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| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | A novel method for velocity profile measurements in flowing polymer melts. <i>Materials Research Innovations</i> , 1999 , 3, 107-111 | 1.9 | 7 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |

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| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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} | 2.2 | 6 |
| 53 | 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 |
| 52 | Temperature profiles of glass fibre-filled polypropylene melts in injection moulding. <i>Polymer Testing</i> , 2000 , 19, 713-724 | 4.5 | 6 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | Rheological properties and melt strength of LDPE during coextrusion process. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2187-2195 | 2.9 | 4 |

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| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | Tribological Properties of Flame Sprayed Hexagonal Boron Nitride/Polyetheretherketone Coatings. <i>Advanced Materials Research</i> , 2011 , 410, 333-336 | 0.5 | 4 |
| 34 | Blending Techniques Affecting Mechanical and Morphological Properties of Fly Ash/Ldpe and Caco ₃ /LDPE Composites. <i>Polymers and Polymer Composites</i> , 2009 , 17, 281-290 | 0.8 | 4 |
| 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 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Uses of 2-hydroxypropyl-3-piperazinyl-quinoline carboxylic acid methacrylate and Terbutryn as algacides in low-density polyethylene mulching films for agricultural applications. <i>Journal of Plastic Film and Sheeting</i> , 2016 , 32, 97-116 | 2.4 | 2 |
| 27 | 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 |
| 26 | 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 |
| 25 | Finite Element Simulation for Creep Response of Strengthened Wood/PVC Composite. <i>Advanced Materials Research</i> , 2013 , 747, 261-264 | 0.5 | 2 |
| 24 | Anti-Algal Performances for Biocide-Enhanced Low-Density Polyethylene Film. <i>Advanced Materials Research</i> , 2013 , 747, 481-484 | 0.5 | 2 |
| 23 | 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 |
| 22 | 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 |

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| 21 | 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 |
| 20 | Antibacterial Ability of HPQM Base Neusilin/Natural Rubber Reinforced with Carbon Black. <i>Advanced Materials Research</i> , 2013 , 747, 455-458 | 0.5 | 1 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Viscoelastic properties of nitrile rubber filled with lignite fly ash. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA | 2.9 | 1 |
| 12 | 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 |
| 11 | 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 |
| 10 | Flow Properties and Melt Distortion in Molten Rubber Compounds under Capillary Extrusion. <i>Advanced Materials Research</i> , 2013 , 747, 627-630 | 0.5 | 0 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 | |
| 5 | 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 | |
| 4 | Relationship on research publications and productivity-export volumes for natural rubber. <i>Scientometrics</i> , 2009 , 81, 393-405 | 3 | |

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- 2 Cellular Bi₂O₃/natural rubber composites for light-weight and lead-free gamma-shielding materials and their properties under gamma irradiation. *Journal of Cellular Plastics*, 0021955X2199735 1.5
- 1 Influence of reprocessing cycles on mechanical and antibacterial performances of hygienic in situ compatibilized PBS/PLA blends doped with HPQM. *Journal of Material Cycles and Waste Management*, **2021**, 23, 1893-1904 3.4