

Jzsef K Karger-Kocsis

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.

434
papers

15,713
citations

62
h-index

102
g-index

444
ext. papers

16,682
ext. citations

3.7
avg, IF

6.95
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 434 | All-carbon multi-scale and hierarchical fibers and related structural composites: A review. <i>Composites Science and Technology</i> , 2020 , 186, 107932 | 8.6 | 44 |
| 433 | The effect of micro-fibrillated cellulose upon the dielectric relaxations and DC conductivity in thermoplastic starch bio-composites. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49573 | 2.9 | 3 |
| 432 | Effect of moisture and filler content on the structural, thermal and dielectric properties of polyamide-6/boehmite alumina nanocomposites. <i>Polymer International</i> , 2019 , 68, 871-885 | 3.3 | 4 |
| 431 | Effect of Storage Time on the Structure and Mechanical Properties of Starch/Bentonite Nanocomposites. <i>Starch/Staerke</i> , 2019 , 71, 1800123 | 2.3 | 7 |
| 430 | In Situ Thermodielectric Analysis of the Gelatinization Mechanism of Raw Maize Starch: An Experimental and Theoretical Approach. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 333-342 | 4.5 | 2 |
| 429 | Interphase tailoring via π -cation interaction in graphene and graphene oxide containing NR nanocomposites prepared by latex compounding. <i>Polymer Testing</i> , 2018 , 67, 46-54 | 4.5 | 6 |
| 428 | Ultraviolet nanosecond laser ablation behavior of silver nanoparticle and melamine-formaldehyde resin-coated short sisal fiber-modified PLA composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 955-965 | 4.1 | 2 |
| 427 | Mechanical, thermal, and water absorption properties of melamine-formaldehyde-treated sisal fiber containing poly(lactic acid) composites. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45681 | 2.9 | 12 |
| 426 | Polymers and Related Composites via Anionic Ring-Opening Polymerization of Lactams: Recent Developments and Future Trends. <i>Polymers</i> , 2018 , 10, | 4.5 | 33 |
| 425 | One-Pot Synthesis and Characterization of Novel Shape-Memory Poly(ϵ -Caprolactone) Based Polyurethane-Epoxy Co-networks with Diels-Alder Couplings. <i>Polymers</i> , 2018 , 10, | 4.5 | 7 |
| 424 | Effects of Diels-Alder Adduct and Lass Transition on the Repeated Self-Healing of Aliphatic Amine-Cured Epoxy Resin. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800284 | 3.9 | 7 |
| 423 | Polymer/boehmite nanocomposites: A review. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45573 | 2.9 | 36 |
| 422 | Structure and properties of NR- and XNBR-toughened polypropylene produced with latex by melt compounding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 426, 012030 | 0.4 | 1 |
| 421 | Natural rubber/boehmite nanocomposites via latex compounding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 426, 012006 | 0.4 | |
| 420 | Flame retarded poly(lactic acid): A review. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 396-417 | 3.4 | 53 |
| 419 | Toward industrial use of anionically activated lactam polymers: Past, present and future. <i>Advanced Industrial and Engineering Polymer Research</i> , 2018 , 1, 48-60 | 7.3 | 13 |
| 418 | Microwave Devulcanized Crumb Rubbers in Polypropylene Based Thermoplastic Dynamic Vulcanizates. <i>Polymers</i> , 2018 , 10, | 4.5 | 8 |

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| 4 ¹⁷ | Transfer Film Formation in PTFE/Oxyfluorinated Graphene Nanocomposites During Dry Sliding. <i>Tribology Letters</i> , 2017 , 65, 1 | 2.8 | 22 |
| 4 ¹⁶ | Tensile and Fracture Mechanical Properties of Styrene-Butadiene Rubbers (SBR) Filled with Industrial and Pyrolytic Carbon Blacks, and Organoclay. <i>Materials Science Forum</i> , 2017 , 885, 292-297 | 0.4 | 3 |
| 4 ¹⁵ | Natural rubber/graphene oxide nanocomposites via melt and latex compounding: Comparison at very low graphene oxide content. <i>Journal of Reinforced Plastics and Composites</i> , 2017 , 36, 808-817 | 2.9 | 19 |
| 4 ¹⁴ | Effect of an Ionic Liquid on the Flexural and Fracture Mechanical Properties of EP/MWCNT Nanocomposites. <i>Materials Science Forum</i> , 2017 , 885, 19-24 | 0.4 | 2 |
| 4 ¹³ | Failure Assessment and Evaluation of Damage Development and Crack Growth in Polymer Composites Via Localization of Acoustic Emission Events: A Review. <i>Polymer Reviews</i> , 2017 , 57, 397-439 | 14 | 5 ¹ |
| 4 ¹² | Characterization of layered silicate-reinforced blends of thermoplastic starch (TPS) and poly(butylene adipate-co-terephthalate). <i>Carbohydrate Polymers</i> , 2017 , 173, 566-572 | 10.3 | 52 |
| 4 ¹¹ | Structure and properties of styrene-butadiene rubber (SBR) with pyrolytic and industrial carbon black. <i>Polymer Testing</i> , 2017 , 61, 404-415 | 4.5 | 22 |
| 4 ¹⁰ | Preparation and Properties of Thermoplastic Starch/Bentonite Nanocomposites. <i>Materials Science Forum</i> , 2017 , 885, 129-134 | 0.4 | 6 |
| 4 ⁰⁹ | 3D printing-assisted interphase engineering of polymer composites: Concept and feasibility. <i>EXPRESS Polymer Letters</i> , 2017 , 11, 525-530 | 3.4 | 17 |
| 4 ⁰⁸ | Review of Progress in Shape Memory Epoxies and Their Composites. <i>Polymers</i> , 2017 , 10, | 4.5 | 62 |
| 4 ⁰⁷ | Dielectric relaxation mechanisms in polyoxymethylene/polyurethane/layered silicates hybrid nanocomposites. <i>European Polymer Journal</i> , 2017 , 95, 304-313 | 5.2 | 3 |
| 4 ⁰⁶ | Thermoplastic starch modified with microfibrillated cellulose and natural rubber latex: A broadband dielectric spectroscopy study. <i>Carbohydrate Polymers</i> , 2017 , 157, 711-718 | 10.3 | 25 |
| 4 ⁰⁵ | Vinyl Ester Resin Modified with Acrylated Epoxidised Soybean (AESO) and Linseed (AELO) Oils: Effect of Additional Urethane Crosslinking. <i>Polymers and Polymer Composites</i> , 2017 , 25, 363-370 | 0.8 | 1 |
| 4 ⁰⁴ | Shape memory crosslinked polyurethanes containing thermoreversible Diels-Alder couplings. <i>Journal of Applied Polymer Science</i> , 2016 , 133, | 2.9 | 14 |
| 4 ⁰³ | Production and characterization of microfibrillated cellulose-reinforced thermoplastic starch composites. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a | 2.9 | 30 |
| 4 ⁰² | Preparation of PTFE/graphene nanocomposites by compression moulding and free sintering: A guideline. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a | 2.9 | 9 |
| 4 ⁰¹ | Uncatalyzed reactions of 4,4'-diphenylmethane-diisocyanate with polymer polyols as revealed by matrix-assisted laser desorption/ionization mass spectrometry. <i>RSC Advances</i> , 2016 , 6, 47023-47032 | 3.7 | 5 |
| 4 ⁰⁰ | Comparative Properties of Styrene-Butadiene Rubbers (SBR) Containing Pyrolytic Carbon Black, Conventional Carbon Black, and Organoclay. <i>Journal of Macromolecular Science - Physics</i> , 2016 , 55, 749-763 | 14 | 13 |

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| 399 | Mechanical and abrasion wear properties of hydrogenated nitrile butadiene rubber of identical hardness filled with carbon black and silica. <i>Journal of Reinforced Plastics and Composites</i> , 2016 , 35, 81-91 | 2.9 | 19 |
| 398 | Surface tailored PS/TiO ₂ composite nanofiber membrane for copper removal from water. <i>Journal of Colloid and Interface Science</i> , 2016 , 469, 31-37 | 9.3 | 34 |
| 397 | Ultralow sliding wear polytetrafluoro ethylene nanocomposites with functionalized graphene. <i>Journal of Reinforced Plastics and Composites</i> , 2016 , 35, 892-901 | 2.9 | 16 |
| 396 | Segmented linear shape memory polyurethanes with thermoreversible Diels-Alder coupling: Effects of polycaprolactone molecular weight and diisocyanate type. <i>EXPRESS Polymer Letters</i> , 2016 , 10, 324-336 | 3.4 | 13 |
| 395 | Fracture behavior and damage development in self-reinforced PET composites assessed by located acoustic emission and thermography: Effects of flame retardant and recycled PET. <i>Composites Science and Technology</i> , 2016 , 132, 76-83 | 8.6 | 21 |
| 394 | Toughened carbon fiber fabric-reinforced pCBT composites. <i>Polymer Composites</i> , 2016 , 37, 1453-1460 | 3 | |
| 393 | Interphase Engineering with Nanofillers in Fiber-Reinforced Polymer Composites 2016 , 71-101 | | 3 |
| 392 | Self-healing properties of epoxy resins with poly(ε-caprolactone) healing agent. <i>Polymer Bulletin</i> , 2016 , 73, 3081-3093 | 2.4 | 24 |
| 391 | Gas barrier properties of oxyfluorinated graphene filled polytetrafluoroethylene nanocomposites. <i>Carbon</i> , 2016 , 109, 30-39 | 10.4 | 18 |
| 390 | Production and properties of micro-cellulose reinforced thermoplastic starch. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 74, 012008 | 0.4 | 4 |
| 389 | Recent advances in shape memory epoxy resins and composites 2015 , 822-841 | | 2 |
| 388 | Recent advances in fiber/matrix interphase engineering for polymer composites. <i>Progress in Materials Science</i> , 2015 , 73, 1-43 | 42.2 | 338 |
| 387 | Dynamic mechanical properties of immiscible polymer systems with and without compatibilizer. <i>Polymer Testing</i> , 2015 , 44, 168-176 | 4.5 | 21 |
| 386 | New insight into the kinetics of diisocyanate-alcohol reactions by high-performance liquid chromatography and mass spectrometry. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a | 2.9 | 15 |
| 385 | Toughening linear low-density polyethylene with halloysite nanotubes. <i>Polymer Composites</i> , 2015 , 36, 869-883 | 3 | 27 |
| 384 | Improving the helium gas barrier properties of epoxy coatings through the incorporation of graphene nanoplatelets and the influence of preparation techniques. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a | 2.9 | 13 |
| 383 | An approach to predict the shape-memory behavior of amorphous polymers from Dynamic Mechanical Analysis (DMA) data. <i>Mechanics of Time-Dependent Materials</i> , 2015 , 19, 87-93 | 1.2 | 7 |
| 382 | Water-Assisted Production of Thermoplastic Nanocomposites: A Review. <i>Materials</i> , 2014 , 8, 72-95 | 3.5 | 40 |

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| 381 | Single-polymer composites (SPCs): Status and future trends. <i>Composites Science and Technology</i> , 2014 , 92, 77-94 | 8.6 | 102 |
| 380 | Dielectric relaxations in polyoxymethylene and in related nanocomposites: Identification and molecular dynamics. <i>Polymer</i> , 2014 , 55, 6819-6826 | 3.9 | 12 |
| 379 | Poly(E-caprolactone) and Pluronic Diol-Containing Segmented Polyurethanes for Shape Memory Performance. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 1896-1907 | 2.6 | 4 |
| 378 | Rheology of multiphase polymer blends with and without reactive compatibiliser: evaluation of interfacial tension using theoretical predictions. <i>International Journal of Plastics Technology</i> , 2014 , 18, 223-240 | 2.7 | 3 |
| 377 | Fracture behavior of boehmite-filled polypropylene block copolymer nanocomposites as assessed by the essential work of fracture concept. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a | 2.9 | 8 |
| 376 | HNBR and its MWCNT reinforced nanocomposites: Crystalline morphology and electrical response. <i>European Polymer Journal</i> , 2014 , 54, 190-199 | 5.2 | 28 |
| 375 | Biodegradable polyester-based shape memory polymers: Concepts of (supra)molecular architecturing. <i>EXPRESS Polymer Letters</i> , 2014 , 8, 397-412 | 3.4 | 45 |
| 374 | Mechanical and rheological response of polypropylene/boehmite nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 252-265 | 2.9 | 10 |
| 373 | Curing, gelling, thermomechanical, and thermal decomposition behaviors of anhydride-cured epoxy (DGEBA)/epoxidized soybean oil compositions. <i>Polymer Engineering and Science</i> , 2014 , 54, 747-755 | 2.3 | 26 |
| 372 | Thermal, viscoelastic and mechanical behavior of polypropylene with synthetic boehmite alumina nanoparticles. <i>Polymer Testing</i> , 2014 , 35, 92-100 | 4.5 | 26 |
| 371 | Grafting of maleic anhydride onto an ethylene-propylene-diene terpolymer and concurrent organoclay nanocomposite preparation in solution and melt. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 950-958 | 2.9 | 6 |
| 370 | Structure, thermal, and mechanical properties of DDM-hardened epoxy/benzoxazine hybrids: Effects of epoxy resin functionality and ETBN toughening. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 5082-5093 | 2.9 | 42 |
| 369 | Sliding friction and wear of nanomodified and coated rubbers 2013 , 437-465 | | 1 |
| 368 | Mechanical and dynamic mechanical properties of polyolefin blends: effect of blend ratio and copolymer monomer fraction on the compatibilisation efficiency of random copolymers. <i>Journal of Polymer Research</i> , 2013 , 20, 1 | 2.7 | 17 |
| 367 | On the toughness of thermoplastic polymer nanocomposites as assessed by the essential work of fracture (EWF) approach. <i>Composite Interfaces</i> , 2013 , 20, 395-404 | 2.3 | 15 |
| 366 | Binary and ternary composites of polystyrene, styrene-butadiene rubber and boehmite produced by water-mediated melt compounding: Morphology and mechanical properties. <i>Composites Part B: Engineering</i> , 2013 , 45, 1458-1463 | 10 | 12 |
| 365 | Ground tyre rubber (GTR) in thermoplastics, thermosets, and rubbers. <i>Journal of Materials Science</i> , 2013 , 48, 1-38 | 4.3 | 206 |
| 364 | Preparation and characterization of in situ polymerized cyclic butylene terephthalate/graphene nanocomposites. <i>Journal of Materials Science</i> , 2013 , 48, 2530-2535 | 4.3 | 12 |

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| 363 | Helium gas permeability reduction of epoxy composite coatings by incorporation of glass flakes. <i>Journal of Membrane Science</i> , 2013 , 430, 203-210 | 9.6 | 10 |
| 362 | Thermooxidative degradation of LDPE nanocomposites: Effect of surface treatments of fumed silica and boehmite alumina. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2297-2305 | 4.7 | 16 |
| 361 | Rigid bio-foam plastics with intrinsic flame retardancy derived from soybean oil. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2533 | 13 | 32 |
| 360 | Effects of fibre content and textile structure on dynamic-mechanical and shape-memory properties of ELO/flax biocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 1879-1886 | 2.9 | 12 |
| 359 | Viscoelastic behaviour and fracture toughness of linear-low-density polyethylene reinforced with synthetic boehmite alumina nanoparticles. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 652-666 | 3.4 | 24 |
| 358 | Epoxy/Polycaprolactone Systems with Triple-Shape Memory Effect: Electrospun Nanoweb with and without Graphene Co-Continuous Morphology. <i>Materials</i> , 2013 , 6, 4489-4504 | 3.5 | 32 |
| 357 | Temperature-Induced Shape Memory Characteristics of Epoxy Resin-Based Fabric-Reinforced Composites. <i>Advanced Materials Research</i> , 2013 , 747, 785-787 | 0.5 | |
| 356 | Shape memory performance of asymmetrically reinforced epoxy/carbon fibre fabric composites in flexure. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 528-534 | 3.4 | 25 |
| 355 | Toward reliable morphology assessment of thermosets via physical etching: Vinyl ester resin as an example. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 407-415 | 3.4 | 7 |
| 354 | Essential work of fracture of poly(ϵ -caprolactone)/boehmite alumina nanocomposites: Effect of surface coating. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2950-2958 | 2.9 | 14 |
| 353 | Waste tyre rubber – what to do next?. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 406-406 | 3.4 | 12 |
| 352 | Structure, mechanical, and fracture properties of nanoreinforced and HNBR-toughened polyamide-6. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 897-902 | 2.9 | 17 |
| 351 | Structure and toughness of polyethersulfone (PESU)-modified anhydride-cured tetrafunctional epoxy resin: Effect of PESU molecular mass. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 1193-1200 | 2.9 | 34 |
| 350 | Structure and properties of amine-hardened epoxy/benzoxazine hybrids: Effect of epoxy resin functionality. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2824-2837 | 2.9 | 28 |
| 349 | Modification of vinyl ester and vinyl ester-urethane resin-based bulk molding compounds (BMC) with acrylated epoxidized soybean and linseed oils. <i>Journal of Materials Science</i> , 2012 , 47, 3391-3399 | 4.3 | 13 |
| 348 | Polystyrene nanocomposites produced by melt-compounding with polymer-coated magnesium carbonate nanoparticles. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 145-152 | 2.9 | 5 |
| 347 | Gelling and curing behaviors of benzoxazine/epoxy formulations containing 4,4'-thiodiphenol accelerator. <i>Thermochimica Acta</i> , 2012 , 543, 172-177 | 2.9 | 28 |
| 346 | Injection moulded all-polypropylene composites composed of polypropylene fibre and polypropylene based thermoplastic elastomer. <i>Composites Science and Technology</i> , 2012 , 73, 72-80 | 8.6 | 34 |

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| 345 | Polyolefin Fiber- and Tape-Reinforced Polymeric Composites 2012 , 315-337 | | |
| 344 | Structure and Fracture Mechanics of Injection-Molded Composites 2012 , 1 | | 1 |
| 343 | Dynamic mechanical properties and structure of in situ cured polyurethane/hydrogenated nitrile rubber compounds: Effect of carbon black type. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E41 | 2.9 | 11 |
| 342 | Energy transfer and photoactivity of photozymes included in polyacrylate hydrogels. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 3721-3729 | 2.9 | 4 |
| 341 | Rheological properties of ground rubber tire filled isotactic polypropylenes of different molecular weight characteristics. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 1758-1771 | 2.9 | 10 |
| 340 | Shape memory characteristics of woven glass fibre fabric reinforced epoxy composite in flexure. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 1532-1537 | 2.9 | 42 |
| 339 | Structure and properties of vinyl ester resins modified with organophilic synthetic layered silicates bearing non- and co-reactive intercalants. <i>Journal of Composite Materials</i> , 2012 , 46, 941-947 | 2.7 | 14 |
| 338 | Fracture resistance of rubbers with MWCNT, organoclay, silica and carbon black fillers as assessed by the J-integral: Effects of rubber type and filler concentration. <i>EXPRESS Polymer Letters</i> , 2012 , 6, 581-587 | 3.4 | 29 |
| 337 | Polymorphism- and Stereoregularity-Based Single Polymer Composites 2012 , 673-698 | | 6 |
| 336 | RubberClay Nanocomposites based on Apolar Diene Rubber 2011 , 367-407 | | |
| 335 | RubberClay Nanocomposites based on Nitrile Rubber 2011 , 409-430 | | |
| 334 | Structure, thermal and fracture mechanical properties of benzoxazine-modified amine-cured DGEBA epoxy resins. <i>EXPRESS Polymer Letters</i> , 2011 , 5, 273-282 | 3.4 | 51 |
| 333 | Friction and Wear of Rubber Nanocomposites Containing Layered Silicates and Carbon Nanotubes. <i>Advanced Structured Materials</i> , 2011 , 343-379 | 0.6 | 2 |
| 332 | Greening of unsaturated polyester resin based bulk molding compound with acrylated epoxidized soybean and linseed oils: effect of urethane hybridization. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 1455-1466 | 2.9 | 7 |
| 331 | Polyethylene/synthetic boehmite alumina nanocomposites: structure, mechanical, and perforation impact properties. <i>Journal of Materials Science</i> , 2011 , 46, 422-428 | 4.3 | 21 |
| 330 | Dielectric relaxation phenomena and dynamics in polyoxymethylene/polyurethane/alumina hybrid nanocomposites. <i>Polymer International</i> , 2011 , 60, 1715-1721 | 3.3 | 35 |
| 329 | pCBT/MWCNT Nanocomposites Prepared by In situ Polymerization of CBT After Solid-Phase High-Energy Ball Milling of CBT with MWCNT. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 544-550 | 3.8 | 20 |
| 328 | Hybrid thermosets from polyisocyanate/water glass/emulsifier systems: Effects of melamine-formaldehyde resin. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 7-14 | 2.9 | 5 |

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| 327 | Swelling, compression and tribological behaviors of bentonite-modified polyacrylate-type hydrogels. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1122-1134 | 2.9 | 6 |
| 326 | Dynamic Mechanical and Perforation Impact Behavior of All-PP Composites Containing Beta-Nucleated Random PP Copolymer as Matrix and Stretched PP Homopolymer Tape as Reinforcement: Effect of Draw Ratio of the Tape. <i>Journal of Thermoplastic Composite Materials</i> , 2011 , 24, 377-388 | 1.9 | 4 |
| 325 | Shape memory polymer system of semi-interpenetrating network structure composed of crosslinked poly (methyl methacrylate) and poly (ethylene oxide). <i>Polymer</i> , 2011 , 52, 1063-1070 | 3.9 | 49 |
| 324 | Effect of cure regime on internal strain and stress development in a filled epoxy resin assessed by fiber Bragg-grating optical strain and normal force measurements. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 1417-1427 | 2.9 | 7 |
| 323 | Hybrid thermosets from vinyl ester resin and acrylated epoxidized soybean oil (AESO). <i>EXPRESS Polymer Letters</i> , 2011 , 5, 2-11 | 3.4 | 68 |
| 322 | Liquefaction of plant biomass for use in polymers - is it the right strategy?. <i>EXPRESS Polymer Letters</i> , 2011 , 5, 92-92 | 3.4 | 4 |
| 321 | Synergetic role of nanoparticles and micro-scale short carbon fibers on the mechanical profiles of epoxy resin. <i>EXPRESS Polymer Letters</i> , 2011 , 5, 859-872 | 3.4 | 38 |
| 320 | Mechanical and stress relaxation behavior of Santoprene [®] thermoplastic elastomer/boehmite alumina nanocomposites produced by water-mediated and direct melt compounding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 768-773 | 8.4 | 24 |
| 319 | Dry rolling and sliding friction and wear of organophilic layered silicate/hydrogenated nitrile rubber nanocomposite. <i>Journal of Materials Science</i> , 2010 , 45, 1293-1298 | 4.3 | 15 |
| 318 | Hybrid resins from polyisocyanate, epoxy resin and water glass: chemistry, structure and properties. <i>Journal of Materials Science</i> , 2010 , 45, 1734-1743 | 4.3 | 11 |
| 317 | Preparation and characterization of polypropylene homocomposites: Exploiting polymorphism of PP homopolymer. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 684-691 | 2.9 | 22 |
| 316 | Unlubricated rolling and sliding wear against steel of carbon-black-reinforced and in situ cured polyurethane containing ethylene/propylene/diene rubber compounds. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1651-1662 | 2.9 | 15 |
| 315 | POM/PU/carbon nanofiber composites produced by water-mediated melt compounding: Structure, thermomechanical and dielectrical properties. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA | 2.9 | 3 |
| 314 | Application of the essential work of fracture (EWF) concept for polymers, related blends and composites: A review. <i>Progress in Polymer Science</i> , 2010 , 35, 1257-1287 | 29.6 | 188 |
| 313 | Self-reinforced polymeric materials: A review. <i>Progress in Polymer Science</i> , 2010 , 35, 1288-1310 | 29.6 | 228 |
| 312 | Rolling and sliding wear properties of hybrid systems composed of uncured/cured HNBR and partly polymerized cyclic butylene terephthalate (CBT). <i>Tribology International</i> , 2010 , 43, 289-298 | 4.9 | 12 |
| 311 | Mechanical and tribological properties of rubber blends composed of HNBR and in situ produced polyurethane. <i>Wear</i> , 2010 , 268, 464-472 | 3.5 | 22 |
| 310 | Changes in tribological performance of high molecular weight high density polyethylene induced by the addition of molybdenum disulphide particles. <i>Wear</i> , 2010 , 269, 31-45 | 3.5 | 46 |

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| 309 | Synergetic effect of carbon nanofibers and short carbon fibers on the mechanical and fracture properties of epoxy resin. <i>Carbon</i> , 2010 , 48, 4289-4300 | 10.4 | 70 |
| 308 | Polyethylene/synthetic boehmite alumina nanocomposites: Structure, thermal and rheological properties. <i>EXPRESS Polymer Letters</i> , 2010 , 4, 264-274 | 3.4 | 46 |
| 307 | Friction and wear of HNBR with different fillers under dry rolling and sliding conditions. <i>EXPRESS Polymer Letters</i> , 2009 , 3, 126-136 | 3.4 | 15 |
| 306 | Dispersion of TiO ₂ Particles in PET/PP/TiO ₂ and PET/PP/PP-g-MA/TiO ₂ Composites Prepared with Different Blending Procedures. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 582-589 | 3.9 | 31 |
| 305 | Unlubricated rolling wear of HNBR/FKM/MWCNT compounds against steel. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1461-1470 | 2.9 | 13 |
| 304 | Isothermal and non-isothermal crystallisation kinetics of pCBT and PBT. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 95, 221-227 | 4.1 | 20 |
| 303 | Structure and properties of poly(ethylene oxide)-organo clay nanocomposite prepared via melt mixing. <i>Polymer Engineering and Science</i> , 2009 , 49, 379-390 | 2.3 | 16 |
| 302 | Novel method for dispersion of multiwall carbon nanotubes in poly(ethylene oxide) matrix using dicarboxylic acid salts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 1156-1165 | 2.6 | 27 |
| 301 | Compatibilization effect of TiO ₂ nanoparticles on the phase structure of PET/PP/TiO ₂ nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 1616-1624 | 2.6 | 43 |
| 300 | Impact resistance of all-polypropylene composites composed of alpha and beta modifications. <i>Polymer Testing</i> , 2009 , 28, 176-182 | 4.5 | 69 |
| 299 | Structure and creep response of toughened and nanoreinforced polyamides produced via the latex route: Effect of nanofiller type. <i>Composites Science and Technology</i> , 2009 , 69, 677-683 | 8.6 | 36 |
| 298 | Hybrids from HNBR and in situ polymerizable cyclic butylene terephthalate (CBT): Structure and rolling wear properties. <i>European Polymer Journal</i> , 2009 , 45, 1270-1281 | 5.2 | 16 |
| 297 | Poly (butylene terephthalate)/silica nanocomposites prepared from cyclic butylene terephthalate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 273-278 | 8.4 | 36 |
| 296 | Tensile mechanical and perforation impact behavior of all-PP composites containing random PP copolymer as matrix and stretched PP homopolymer as reinforcement: Effect of nucleation of the matrix. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 662-668 | 8.4 | 48 |
| 295 | On the Toughness of Nanomodified Polymers and Their Traditional Polymer Composites 2009 , 425-470 | | 11 |
| 294 | List of Acknowledgements 2009 , 579-604 | | |
| 293 | Nano- and Micromechanics of Polymer Blends and Composites 2009 , | | 22 |
| 292 | Thermoset polymers containing bio-based renewable resources. <i>EXPRESS Polymer Letters</i> , 2009 , 3, 676-676 | | 4 |

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