

Jzsef K Karger-Kocsis

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444
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ext. citations

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L-index

#	Paper	IF	Citations
434	Recent advances in shape memory polymers and composites: a review. <i>Journal of Materials Science</i> , 2008 , 43, 254-269	4.3	720
433	Rules of supermolecular structure formation in sheared isotactic polypropylene melts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996 , 34, 657-670	2.6	384
432	Recent advances in fiber/matrix interphase engineering for polymer composites. <i>Progress in Materials Science</i> , 2015 , 73, 1-43	42.2	338
431	Natural rubber-based nanocomposites by latex compounding with layered silicates. <i>Polymer</i> , 2003 , 44, 4921-4927	3.9	304
430	Compatibilizing effect of maleated polypropylene on the mechanical properties and morphology of injection molded polyamide 6/polypropylene/organoclay nanocomposites. <i>Polymer</i> , 2003 , 44, 7427-7440 ^{3.9}	3.9	251
429	Fracture toughness of α and β phase polypropylene homopolymers and random- and block-copolymers. <i>Polymer</i> , 2002 , 43, 6505-6514	3.9	242
428	Self-reinforced polymeric materials: A review. <i>Progress in Polymer Science</i> , 2010 , 35, 1288-1310	29.6	228
427	Effects of epoxidized natural rubber as a compatibilizer in melt compounded natural rubber/organoclay nanocomposites. <i>European Polymer Journal</i> , 2004 , 40, 2513-2521	5.2	225
426	Ground tyre rubber (GTR) in thermoplastics, thermosets, and rubbers. <i>Journal of Materials Science</i> , 2013 , 48, 1-38	4.3	206
425	Rheological and Thermodynamical Behavior of Styrene/Butadiene Rubber-Organoclay Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2001 , 286, 260-266	3.9	197
424	Melt compounded epoxidized natural rubber/layered silicate nanocomposites: structure-properties relationships. <i>Polymer</i> , 2003 , 44, 3977-3983	3.9	189
423	Effects of β transformation on the static and dynamic tensile behavior of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 291-300	2.9	189
422	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
421	Thermoset rubber/layered silicate nanocomposites. Status and future trends. <i>Polymer Engineering and Science</i> , 2004 , 44, 1083-1093	2.3	174
420	Effect of maleic anhydride-grafted ethylene/propylene rubber on the mechanical, rheological and morphological properties of organoclay reinforced polyamide 6/polypropylene nanocomposites. <i>European Polymer Journal</i> , 2005 , 41, 687-696	5.2	174
419	How does β phase transformation toughening work in semicrystalline polymers?. <i>Polymer Engineering and Science</i> , 1996 , 36, 203-210	2.3	159
418	Comparison of the fracture and failure behavior of injection-molded α and β polypropylene in high-speed three-point bending tests. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 2057-2066	2.9	154

4 ¹⁷	Phase structure of impact-modified polypropylene blends. <i>Polymer</i> , 1984 , 25, 279-286	3.9	148
4 ¹⁶	Skin-Core morphology and failure of injection-molded specimens of impact-modified polypropylene blends. <i>Polymer Engineering and Science</i> , 1987 , 27, 241-253	2.3	135
4 ¹⁵	Review Processes and influencing parameters of the solid particle erosion of polymers and their composites. <i>Journal of Materials Science</i> , 2002 , 37, 3807-3820	4.3	133
4 ¹⁴	Melt-compounded natural rubber nanocomposites with pristine and organophilic layered silicates of natural and synthetic origin. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 813-819	2.9	132
4 ¹³	Effects of fibre content and relative fibre-orientation on the solid particle erosion of GF/PP composites. <i>Wear</i> , 2002 , 252, 80-87	3.5	128
4 ¹²	Thickness dependence of work of fracture parameters of an amorphous copolyester. <i>Polymer</i> , 1997 , 38, 4587-4593	3.9	119
4 ¹¹	Morphology and mechanical properties of layered silicate reinforced natural and polyurethane rubber blends produced by latex compounding. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 543-551	2.9	116
4 ¹⁰	Effects of steel counterface roughness and temperature on the friction and wear of PE(E)K composites under dry sliding conditions. <i>Wear</i> , 1991 , 148, 235-247	3.5	116
4 ⁰⁹	Deformation rate dependence of the essential and non-essential work of fracture parameters in an amorphous copolyester. <i>Polymer</i> , 1998 , 39, 3939-3944	3.9	115
4 ⁰⁸	Influence of fillers and additives on the cure kinetics of an epoxy/anhydride resin. <i>European Polymer Journal</i> , 2007 , 43, 1168-1178	5.2	115
4 ⁰⁷	The effect of organoclay on the mechanical properties and morphology of injection-molded polyamide 6/polypropylene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 175-189	2.9	115
4 ⁰⁶	LDPE-based thermoplastic elastomers containing ground tire rubber with and without dynamic curing. <i>Polymer Degradation and Stability</i> , 2002 , 76, 137-144	4.7	114
4 ⁰⁵	Nanocomposite Formation in Hydrogenated Nitrile Rubber (HNBR)/Organo-Montmorillonite as a Function of the Intercalant Type. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 1079-1086	3.9	105
4 ⁰⁴	Single-polymer composites (SPCs): Status and future trends. <i>Composites Science and Technology</i> , 2014 , 92, 77-94	8.6	102
4 ⁰³	Effects of primary and quaternary amine intercalants on the organoclay dispersion in a sulfur-cured EPDM rubber. <i>Polymer</i> , 2005 , 46, 3069-3076	3.9	101
4 ⁰²	Melt grafting of maleic anhydride onto an ethylene-propylene-diene terpolymer (EPDM). <i>European Polymer Journal</i> , 2000 , 36, 1419-1429	5.2	98
4 ⁰¹	On the potential of organoclay with respect to conventional fillers (carbon black, silica) for epoxidized natural rubber compatibilized natural rubber vulcanizates. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2438-2445	2.9	96
4 ⁰⁰	Characteristics of ethylene propylene diene monomer rubber/organoclay nanocomposites resulting from different processing conditions and formulations. <i>Polymer International</i> , 2004 , 53, 1191-1197	3.7	95

399	Fracture behavior of injection-molded short and long glass fiber/polyamide 6.6 composites. <i>Composites Science and Technology</i> , 1988 , 32, 293-325	8.6	92
398	Effect of short fibre reinforcement on the fatigue crack propagation and fracture of PEEK-matrix composites. <i>Composites</i> , 1986 , 17, 205-216		91
397	Tensile Fracture and Failure Behavior of Thermoplastic Starch with Unidirectional and Cross-Ply Flax Fiber Reinforcements. <i>Macromolecular Materials and Engineering</i> , 2003 , 288, 699-707	3.9	88
396	Artificial neural network predictions on erosive wear of polymers. <i>Wear</i> , 2003 , 255, 708-713	3.5	88
395	Tensile fracture and failure behavior of technical flax fibers. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3638-3645	2.9	87
394	Direct evidence of row-nucleated cylindritic crystallization in glass fiber-reinforced polypropylene composites. <i>Polymer Bulletin</i> , 1993 , 30, 105-110	2.4	87
393	Dynamic mechanical and impact properties of polypropylene/EPDM blends. <i>Polymer</i> , 1982 , 23, 699-705	3.9	86
392	Thermoplastic elastomers based on recycled high-density polyethylene, ethylene/propylene/diene monomer rubber, and ground tire rubber. <i>Journal of Applied Polymer Science</i> , 2005 , 95, 659-671	2.9	84
391	On the essential and non-essential work of fracture of biaxial-oriented filled PET film. <i>Polymer</i> , 1996 , 37, 2433-2438	3.9	82
390	Temperature and strain-rate effects on the fracture toughness of poly(ether ether ketone) and its short glass-fibre reinforced composite. <i>Polymer</i> , 1986 , 27, 1753-1760	3.9	82
389	Physical properties of natural rubber/organoclay nanocomposites compatibilized with epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 1083-1092	2.9	80
388	Comparison of the fracture and failure behavior of polypropylene composites reinforced by long glass fibers and by glass mats. <i>Composites Science and Technology</i> , 1995 , 54, 287-298	8.6	80
387	Surface energetics of carbon fibers and its effects on the mechanical performance of CF/EP composites. <i>Journal of Applied Polymer Science</i> , 1996 , 59, 139-153	2.9	80
386	Morphological and Rheological Properties of Polyamide 6/Poly(propylene)/Organoclay Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2005 , 290, 122-127	3.9	78
385	Effect of the aspect ratio of silicate platelets on the mechanical and barrier properties of hydrogenated acrylonitrile butadiene rubber (HNBR)/layered silicate nanocomposites. <i>European Polymer Journal</i> , 2007 , 43, 1097-1104	5.2	76
384	Polyurethane latex/water dispersible boehmite alumina nanocomposites: Thermal, mechanical and dielectrical properties. <i>Composites Science and Technology</i> , 2007 , 67, 157-167	8.6	76
383	Mechanical properties of woven glass fabric reinforced in situ polymerized poly(butylene terephthalate) composites. <i>Composites Science and Technology</i> , 2007 , 67, 390-398	8.6	72
382	The occurrence of transcrystallization or row-nucleated cylindritic crystallization as a result of shearing in a glass-fiber-reinforced polypropylene. <i>Composites Science and Technology</i> , 1993 , 48, 191-198	8.6	71

381	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
380	Impact resistance of all-polypropylene composites composed of alpha and beta modifications. <i>Polymer Testing</i> , 2009 , 28, 176-182	4.5	69
379	Fracture behaviour of polypropylene/glass bead elastomer composites by using the essential work-of-fracture method. <i>Journal of Materials Science</i> , 1998 , 33, 2551-2562	4.3	69
378	Relaxation phenomena in rubber/layered silicate nanocomposites. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 837-845	3.4	69
377	Hybrid thermosets from vinyl ester resin and acrylated epoxidized soybean oil (AESO). <i>EXPRESS Polymer Letters</i> , 2011 , 5, 2-11	3.4	68
376	Multiwall carbon nanotube modified vinylester and vinylester based hybrid resins. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1252-1259	8.4	67
375	The role of metastability in the micromorphologic features of sheared isotactic polypropylene melts. <i>Polymer</i> , 1999 , 40, 4195-4203	3.9	64
374	Thermoplastic elastomers based on compatibilized poly(ethylene terephthalate) blends: effect of rubber type and dynamic curing. <i>Polymer</i> , 2001 , 42, 1109-1120	3.9	63
373	Review of Progress in Shape Memory Epoxies and Their Composites. <i>Polymers</i> , 2017 , 10,	4.5	62
372	For what kind of polymer is the toughness assessment by the essential work concept straightforward?. <i>Polymer Bulletin</i> , 1996 , 37, 119-126	2.4	62
371	Controlling the Deintercalation in Hydrogenated Nitrile Rubber (HNBR)/Organo-Montmorillonite Nanocomposites by Curing with Peroxide. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 915-919	4.8	61
370	Molecular dependence of the essential and non-essential work of fracture of amorphous films of poly(ethylene-2,6-naphthalate) (PEN). <i>Polymer</i> , 2000 , 41, 6301-6310	3.9	61
369	Instrumented impact fracture and related failure behavior in short- and long-glass-fiber-reinforced polypropylene. <i>Composites Science and Technology</i> , 1993 , 48, 273-283	8.6	61
368	Dry friction and sliding wear of EPDM rubbers against steel as a function of carbon black content. <i>Wear</i> , 2008 , 264, 359-367	3.5	59
367	The difference between transcrystallization and shear-induced cylindritic crystallization in fibre-reinforced polypropylene composites. <i>Journal of Materials Science Letters</i> , 1994 , 13, 1069-1071		59
366	Study on surface and mechanical fiber characteristics and their effect on the adhesion properties to a polycarbonate matrix tuned by anodic carbon fiber oxidation. <i>Composites Part A: Applied Science and Manufacturing</i> , 1999 , 30, 1351-1366	8.4	58
365	Microstructure-related fracture toughness and fatigue crack growth behaviour in toughened, anhydride-cured epoxy resins. <i>Composites Science and Technology</i> , 1993 , 48, 263-272	8.6	56
364	Role of film formers in glass fibre reinforced polypropylene new insights and relation to mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001 , 32, 631-639	8.4	54

363	Synthesis of reactive hyperbranched and star-like polyethers and their use for toughening of vinyl ester urethane hybrid resins. <i>Polymer</i> , 2004 , 45, 1185-1195	3.9	53
362	Flame retarded poly(lactic acid): A review. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 396-417	3.4	53
361	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
360	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	51
359	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
358	On the in-situ polymerization of cyclic butylene terephthalate oligomers: DSC and rheological studies. <i>Polymer Engineering and Science</i> , 2006 , 46, 743-750	2.3	51
357	Fracture and failure behavior of basalt fiber mat-reinforced vinyl ester/epoxy hybrid resins as a function of resin composition and fiber surface treatment. <i>Journal of Materials Science</i> , 2005 , 40, 5609-5618	4.3	51
356	Micromechanical Mechanisms for Toughness Enhancement in Modified Polypropylene. <i>Macromolecular Symposia</i> , 2004 , 214, 157-172	0.8	50
355	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
354	Dynamic mechanical properties and morphology of polypropylene block copolymers and polypropylene/elastomer blends. <i>Polymer Engineering and Science</i> , 1987 , 27, 254-262	2.3	49
353	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
352	Development and characterization of self-reinforced poly(propylene) composites: carded mat reinforcement. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 818-824	3.2	48
351	Toughness response of vinyl ester/epoxy-based thermosets of interpenetrating network structure as a function of the epoxy resin formulation: Effects of the cyclohexylene linkage. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2124-2131	2.9	48
350	Toughening of vinyl ester urethane hybrid resins by functional liquid nitrile rubbers and hyperbranched polymers. <i>Polymer</i> , 2002 , 43, 4763-4768	3.9	47
349	Fatigue crack propagation in short and long fibre-reinforced injection-moulded PA 6.6 composites. <i>Composites</i> , 1988 , 19, 105-114		47
348	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
347	Effects of blend composition and dynamic vulcanization on the morphology and dynamic viscoelastic properties of PP/EPDM blends. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1212-1220	2.9	46
346	Solid Particle Erosion of Unidirectional GF Reinforced EP Composites with Different Fiber/Matrix Adhesion. <i>Journal of Reinforced Plastics and Composites</i> , 2002 , 21, 1377-1388	2.9	46

345	Instrumented tensile and falling weight impact response of injection-molded β and β phase polypropylene homopolymers with various melt flow indices. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 1205-1214	2.9	46
344	Microstructural details and the effect of testing conditions on the fracture toughness of injection-moulded poly(phenylene-sulphide) composites. <i>Journal of Materials Science</i> , 1987 , 22, 947-961	4.3	46
343	Polyethylene/synthetic boehmite alumina nanocomposites: Structure, thermal and rheological properties. <i>EXPRESS Polymer Letters</i> , 2010 , 4, 264-274	3.4	46
342	Biodegradable polyester-based shape memory polymers: Concepts of (supra)molecular architecturing. <i>EXPRESS Polymer Letters</i> , 2014 , 8, 397-412	3.4	45
341	Fracture toughness assessment of poly(ethylene terephthalate) blends with glycidyl methacrylate modified polyolefin elastomer using essential work of fracture method. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 842-852	2.9	45
340	Tribological testing of peroxide cured HNBR with different MWCNT and silica contents under dry sliding and rolling conditions against steel. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2840-2851	2.9	44
339	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
338	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
337	Plane stress fracture toughness of physically aged plasticized PETG as assessed by the essential work of fracture (EWF) method. <i>Polymer</i> , 2003 , 44, 5691-5699	3.9	43
336	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
335	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
334	Alumina-filled polystyrene micro- and nanocomposites prepared by melt mixing with and without latex precompounding: Structure and properties. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 2963-2972	2.9	42
333	A modulated dsc study on the in situ polymerization of cyclic butylene terephthalate oligomers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 84, 637-641	4.1	42
332	Microstructural aspects of fracture in polypropylene and in its filled, chopped fiber and fiber mat reinforced composites 1995 , 142-201		42
331	Plane-stress fracture behavior of syndiotactic polypropylenes of various crystallinity as assessed by the essential work of fracture method. <i>Polymer Engineering and Science</i> , 2002 , 42, 1410-1419	2.3	41
330	Hygrothermal aging and fracture behavior of short-glass-fiber-reinforced rubber-toughened poly(butylene terephthalate) composites. <i>Composites Science and Technology</i> , 2000 , 60, 803-815	8.6	41
329	Interrelation between energy partitioned work of fracture parameters and the crack tip opening displacement in amorphous polyester films. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1615-1619		41
328	Microstructure and Fracture Mechanical Performance of Short-Fibre Reinforced Thermoplastics. <i>Composite Materials Series</i> , 1989 , 6, 189-247		41

327	Water-Assisted Production of Thermoplastic Nanocomposites: A Review. <i>Materials</i> , 2014 , 8, 72-95	3.5	40
326	Flexural creep of all-polypropylene composites: Model analysis. <i>Polymer Engineering and Science</i> , 2008 , 48, 941-948	2.3	40
325	High-performance epoxy hybrid nanocomposites containing organophilic layered silicates and compatibilized liquid rubber. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 3088-3096	2.9	40
324	Atomic force microscopy study on blend morphology and clay dispersion in polyamide-6/polypropylene/organoclay systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 1198-1204	2.6	40
323	Towards phase transformation toughened semicrystalline polymers. <i>Polymer Bulletin</i> , 1996 , 36, 119-124	2.4	40
322	On the friction and sliding wear of rubber/layered silicate nanocomposites. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 27-31	3.4	40
321	Interpenetrating vinyl ester/epoxy resins modified with organophilic layered silicates. <i>Composites Science and Technology</i> , 2003 , 63, 2045-2054	8.6	38
320	All-PP composites (PURE [®]) with unidirectional and cross-ply lay-ups: dynamic mechanical thermal analysis. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 519-526	3.4	38
319	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
318	Tribological testing of peroxide-cured EPDM rubbers with different carbon black contents under dry sliding conditions against steel. <i>Tribology International</i> , 2008 , 41, 404-415	4.9	37
317	Structural investigation of the phase transformation in the plastic zone of a β -phase isotactic polypropylene by synchrotron radiation microdiffraction. <i>Polymer</i> , 1999 , 40, 541-545	3.9	37
316	Melting and crystallization of in-situ polymerized cyclic butylene terephthalates with and without organoclay: a modulated DSC study. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 60-68	3.4	37
315	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
314	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
313	Relationships between molecular and plane-stress essential work of fracture parameters in amorphous copolyesters. <i>Polymer Bulletin</i> , 1997 , 39, 503-510	2.4	36
312	Toughness assessment of elastomeric polypropylene (ELPP) by the essential work of the fracture method. <i>Journal of Applied Polymer Science</i> , 1998 , 70, 873-881	2.9	36
311	Rheological and thermal properties of poly(ethylene oxide)/multiwall carbon nanotube composites. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2094-2101	2.9	36
310	Thermal and crystallisation behaviours of blends of polyamide 12 with styrene-ethylene/butylene-styrene rubbers. <i>Polymer</i> , 2006 , 47, 6328-6336	3.9	36

309	Comparison of the failure mode in short and long glass fiber-reinforced injection-molded polypropylene composites by acoustic emission. <i>Polymer Bulletin</i> , 1993 , 31, 495-501	2.4	36
308	Polymer/boehmite nanocomposites: A review. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45573	2.9	36
307	Dielectric relaxation phenomena and dynamics in polyoxymethylene/polyurethane/alumina hybrid nanocomposites. <i>Polymer International</i> , 2011 , 60, 1715-1721	3.3	35
306	Dynamic mechanical thermal analysis of all-PP composites based on α and β polymorphic forms. <i>Journal of Materials Science</i> , 2008 , 43, 3697-3703	4.3	35
305	Morphology and mechanical properties of polyamide 12/polypropylene blends in presence and absence of reactive compatibiliser. <i>Polymer</i> , 2006 , 47, 3874-3888	3.9	35
304	Effect of micromorphologic features on the interfacial strength of iPP/Kevlar fiber microcomposites. <i>Polymer</i> , 2001 , 42, 199-208	3.9	35
303	Fracture behaviour of glass-fibre mat-reinforced structural nylon RIM composites studied by microscopic and acoustic emission techniques. <i>Journal of Materials Science</i> , 1993 , 28, 2438-2448	4.3	35
302	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
301	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
300	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
299	Vinylester/epoxy-based thermosets of interpenetrating network structure: An atomic force microscopic study. <i>Journal of Materials Science</i> , 2003 , 38, 413-420	4.3	34
298	Photoinitiated grafting of glycidyl methacrylate and methacrylic acid on ground tire rubber. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1622-1630	2.9	34
297	Effects of crystallinity and supermolecular formations on the interfacial shear strength and adhesion in GF/PP composites. <i>Polymer Bulletin</i> , 1993 , 31, 707-714	2.4	34
296	Polymers and Related Composites via Anionic Ring-Opening Polymerization of Lactams: Recent Developments and Future Trends. <i>Polymers</i> , 2018 , 10,	4.5	33
295	Thermal degradation and crystallisation studies of reactively compatibilised polymer blends. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1176-1187	4.7	33
294	On the plane-strain essential work of fracture of polymer sheets. <i>Polymer Bulletin</i> , 2001 , 46, 507-512	2.4	33
293	Thermoplastic dynamic vulcanisates containing LDPE, rubber, and thermochemically reclaimed ground tyre rubber. <i>Plastics, Rubber and Composites</i> , 2002 , 31, 99-105	1.5	33
292	Effects of fiber/matrix adhesion on off-axis mechanical response in carbon-fiber/epoxyresin composites. <i>Composites Science and Technology</i> , 1995 , 54, 317-327	8.6	33

291	Effects of the interface on the mechanical response of CF/EP microcomposites and macrocomposites. <i>Composites</i> , 1994 , 25, 729-738		33
290	Rigid bio-foam plastics with intrinsic flame retardancy derived from soybean oil. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2533	13	32
289	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
288	Creep Behavior of Polystyrene/Fluorohectorite Micro- and Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 2090-2094	4.8	32
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