

Sie Chin Tjong

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407
papers

16,866
citations

64
h-index

113
g-index

431
ext. papers

18,326
ext. citations

4.3
avg, IF

7.35
L-index

#	Paper	IF	Citations
407	Microstructural and mechanical characteristics of in situ metal matrix composites. <i>Materials Science and Engineering Reports</i> , 2000 , 29, 49-113	30.9	1240
406	Structural and mechanical properties of polymer nanocomposites. <i>Materials Science and Engineering Reports</i> , 2006 , 53, 73-197	30.9	1093
405	Recent progress in the development and properties of novel metal matrix nanocomposites reinforced with carbon nanotubes and graphene nanosheets. <i>Materials Science and Engineering Reports</i> , 2013 , 74, 281-350	30.9	711
404	Nanocrystalline materials and coatings. <i>Materials Science and Engineering Reports</i> , 2004 , 45, 1-88	30.9	680
403	Novel Nanoparticle-Reinforced Metal Matrix Composites with Enhanced Mechanical Properties. <i>Advanced Engineering Materials</i> , 2007 , 9, 639-652	3.5	446
402	Processing-structure-property aspects of particulate- and whisker-reinforced titanium matrix composites. <i>Composites Science and Technology</i> , 2008 , 68, 583-601	8.6	348
401	Bactericidal and Cytotoxic Properties of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	297
400	Mechanical behaviors of polypropylene/carbon nanotube nanocomposites: The effects of loading rate and temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 508-516	5.3	173
399	Graphene Nanomaterials: Synthesis, Biocompatibility, and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	165
398	Tribological behaviour of SiC particle-reinforced copper matrix composites. <i>Materials Letters</i> , 2000 , 43, 274-280	3.3	162
397	Morphological behaviour and instrumented dart impact properties of β -crystalline-phase polypropylene. <i>Polymer</i> , 1996 , 37, 2309-2316	3.9	153
396	In-situ Ti-TiB metal matrix composite prepared by a reactive pressing process. <i>Scripta Materialia</i> , 2000 , 42, 367-373	5.6	151
395	Abrasive wear behavior of TiB ₂ particle-reinforced copper matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 282, 183-186	5.3	144
394	Electrical behavior of polypropylene/multiwalled carbon nanotube nanocomposites with low percolation threshold. <i>Scripta Materialia</i> , 2007 , 57, 461-464	5.6	141
393	Novel Preparation and Properties of Polypropylene/Vermiculite Nanocomposites. <i>Chemistry of Materials</i> , 2002 , 14, 44-51	9.6	134
392	Mechanical behavior of injection molded β -crystalline phase polypropylene. <i>Polymer Engineering and Science</i> , 1996 , 36, 100-105	2.3	133
391	An investigation on the processing of sisal fibre reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2003 , 63, 1255-1258	8.6	131

390	Thermal decomposition characteristics of poly(propylene carbonate) using TG/IR and Py-GC/MS techniques. <i>Polymer Degradation and Stability</i> , 2003 , 81, 157-165	4.7	124
389	Dependence of dielectric behavior on the physical property of fillers in the polymer-matrix composites. <i>Synthetic Metals</i> , 2004 , 146, 79-84	3.6	120
388	Dielectric behavior and dependence of percolation threshold on the conductivity of fillers in polymer-semiconductor composites. <i>Applied Physics Letters</i> , 2004 , 85, 97-99	3.4	119
387	Brittle-tough transition in PP/EPDM blends: effects of interparticle distance and tensile deformation speed. <i>Polymer</i> , 2000 , 41, 3479-3482	3.9	116
386	Effects of the structure and morphology of zinc glutarate on the fixation of carbon dioxide into polymer. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 3579-3591	2.5	112
385	Nanometric Si ₃ N ₄ particulate-reinforced aluminum composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 219, 229-231	5.3	107
384	Completely biodegradable composites of poly(propylene carbonate) and short, lignocellulose fiber <i>Hildegardia populifolia</i> . <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 666-675	2.6	101
383	Mechanical behavior and fracture toughness evaluation of maleic anhydride compatibilized short glass fiber/SEBS/polypropylene hybrid composites. <i>Composites Science and Technology</i> , 2002 , 62, 831-840	8.6	100
382	Effect of Secondary Phase Precipitation on the Corrosion Behavior of Duplex Stainless Steels. <i>Materials</i> , 2014 , 7, 5268-5304	3.5	99
381	Development and Antibacterial Performance of Novel Polylactic Acid-Graphene Oxide-Silver Nanoparticle Hybrid Nanocomposite Mats Prepared By Electrospinning. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 471-486	5.5	98
380	Preparation and nonisothermal crystallization behavior of polyamide 6/montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 2878-2891	2.6	98
379	Thermally stable and high molecular weight poly(propylene carbonate)s from carbon dioxide and propylene oxide. <i>Polymer International</i> , 2002 , 51, 1079-1085	3.3	98
378	Electrical properties of low-density polyethylene/multiwalled carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2006 , 100, 132-137	4.4	97
377	Impact fracture toughness of polyamide-6/montmorillonite nanocomposites toughened with a maleated styrene/ethylene butylene/styrene elastomer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 585-595	2.6	97
376	Mechanical behavior of CaCO ₃ particulate-filled β -crystalline phase polypropylene composites. <i>Polymer Engineering and Science</i> , 1997 , 37, 166-172	2.3	96
375	Effect of mechanical stretching on electrical conductivity and positive temperature coefficient characteristics of poly(vinylidene fluoride)/carbon nanofiber composites prepared by non-solvent precipitation. <i>Carbon</i> , 2011 , 49, 1758-1768	10.4	95
374	Synthesis and characterization of alternating copolymer from carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 2327-2334	2.9	95
373	Electrical conductivity and dielectric response of poly(vinylidene fluoride)/graphite nanoplatelet composites. <i>Synthetic Metals</i> , 2010 , 160, 1912-1919	3.6	94

372	Abrasion resistance of stainless-steel composites reinforced with hard TiB ₂ particles. <i>Composites Science and Technology</i> , 2000 , 60, 1141-1146	8.6	93
371	Impact fracture toughness of Eform polypropylene. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 33, 503-508		92
370	Low percolation threshold of graphene/polymer composites prepared by solvothermal reduction of graphene oxide in the polymer solution. <i>Nanoscale Research Letters</i> , 2013 , 8, 132	5	88
369	In Situ ceramic particle-reinforced aluminum matrix composites fabricated by reaction pressing in the TiO ₂ (Ti)-Al-B (B ₂ O ₃) systems. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997 , 28, 1931-1942	2.3	87
368	Impact fracture toughness of short glass fiber-reinforced polyamide 6,6 hybrid composites containing elastomer particles using essential work of fracture concept. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 347, 338-345	5.3	87
367	Properties and abrasive wear of TiB ₂ /Al-4%Cu composites produced by hot isostatic pressing. <i>Composites Science and Technology</i> , 1999 , 59, 2005-2013	8.6	86
366	Synthesis and degradation behavior of poly(propylene carbonate) derived from carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1840-1846	2.9	82
365	Electrical properties of low-density polyethylene/ZnO nanocomposites. <i>Materials Chemistry and Physics</i> , 2006 , 100, 1-5	4.4	80
364	Structure, morphology, mechanical and thermal characteristics of the in situ composites based on liquid crystalline polymers and thermoplastics. <i>Materials Science and Engineering Reports</i> , 2003 , 41, 1-60	30.9	80
363	High-temperature creep behavior of TiC particulate reinforced Ti-6Al-4V alloy composite. <i>Acta Materialia</i> , 2002 , 50, 4293-4302	8.4	79
362	Nanostructured transparent conductive films: Fabrication, characterization and applications. <i>Materials Science and Engineering Reports</i> , 2016 , 109, 1-101	30.9	78
361	Fabrication and properties of poly(propylene carbonate)/calcium carbonate composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1806-1813	2.6	78
360	Polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA: Structure-property relationship. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 3112-3126	2.6	78
359	Fracture toughness of high density polyethylene/SEBS-g-MA/montmorillonite nanocomposites. <i>Composites Science and Technology</i> , 2007 , 67, 314-323	8.6	77
358	Effect of reactive compatibilizers on the mechanical properties of polycarbonate/poly(acrylonitrile-butadiene-styrene) blends. <i>European Polymer Journal</i> , 2000 , 36, 123-129	5.2	75
357	Properties and morphology of polyamide 6 hybrid composites containing potassium titanate whisker and liquid crystalline copolyester. <i>Polymer</i> , 1999 , 40, 1109-1117	3.9	75
356	Synthesis of novel poly(phthalazinone ether sulfone ketone)s and improvement of their melt flow properties. <i>Journal of Applied Polymer Science</i> , 1997 , 66, 1425-1432	2.9	74
355	Microstructure and properties of polypropylene composites filled with silver and carbon nanotube nanoparticles prepared by melt-compounding. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 142, 55-61	3.1	74

354	Synthesis of multiwalled carbon nanotubes from bamboo charcoal and the roles of minerals on their growth. <i>Biomass and Bioenergy</i> , 2012 , 36, 12-19	5.3	73
353	Non-isothermal crystallization kinetics of calcium carbonate-filled crystalline phase polypropylene composites. <i>Polymer International</i> , 1997 , 44, 95-103	3.3	72
352	Interface modification on the properties of sisal fiber- reinforced polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 169-176	2.9	72
351	Dielectric properties of binary polyvinylidene fluoride/barium titanate nanocomposites and their nanographite doped hybrids. <i>EXPRESS Polymer Letters</i> , 2011 , 5, 526-534	3.4	70
350	Synthesis and properties of poly(aryl ether sulfone)s containing the phthalazinone moiety. <i>Journal of Applied Polymer Science</i> , 1998 , 68, 137-143	2.9	67
349	Structure, thermal and mechanical properties of in situ Al-based metal matrix composite reinforced with Al ₂ O ₃ and TiC submicron particles. <i>Materials Chemistry and Physics</i> , 2005 , 93, 109-116	4.4	67
348	Impact essential work of fracture of polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA elastomer. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 378-387	8.4	66
347	Creep deformation characteristics of discontinuously reinforced aluminium-matrix composites. <i>Composites Science and Technology</i> , 2001 , 61, 771-786	8.6	66
346	Novel Electrospun Polylactic Acid Nanocomposite Fiber Mats with Hybrid Graphene Oxide and Nanohydroxyapatite Reinforcements Having Enhanced Biocompatibility. <i>Polymers</i> , 2016 , 8,	4.5	66
345	Short glass fiber-reinforced polyamide 6,6 composites toughened with maleated SEBS. <i>Composites Science and Technology</i> , 2002 , 62, 2017-2027	8.6	65
344	Microstructural and mechanical characteristics of compatibilized polypropylene hybrid composites containing potassium titanate whisker and liquid crystalline copolyester. <i>Polymer</i> , 1999 , 40, 7275-7283	3.9	65
343	Impact-modified polypropylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 2332-2341	2.6	64
342	Rheology and morphology of compatibilized polyamide 6 blends containing liquid crystalline copolyesters. <i>Polymer</i> , 1998 , 39, 99-107	3.9	63
341	Performance of potassium titanate whisker reinforced polyamide-6 composites. <i>Polymer</i> , 1998 , 39, 5461-5466	3.9	63
340	Morphology and mechanical characteristics of compatibilized polyamide 6-liquid crystalline polymer composites. <i>Polymer</i> , 1997 , 38, 4609-4615	3.9	61
339	Synthesis and proton conductivities of phosphonic acid containing poly-(arylene ether)s. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3218-3226	2.5	60
338	Sliding wear of stainless steel matrix composite reinforced with TiB ₂ particles. <i>Materials Letters</i> , 1999 , 41, 153-158	3.3	60
337	2009 ,		58

336	Tensile properties and morphology of PP/EPDM/glass bead ternary composites. <i>Polymer Composites</i> , 1999 , 20, 413-422	3	58
335	Wear behaviour of an Al-2% Si alloy reinforced with a low volume fraction of SiC particles. <i>Composites Science and Technology</i> , 1998 , 57, 1551-1558	8.6	56
334	Mechanical and thermal expansion behavior of hipped aluminum-TiB ₂ composites. <i>Materials Chemistry and Physics</i> , 2006 , 97, 91-97	4.4	55
333	High cycle fatigue response of in-situ Al-based composites containing TiB ₂ and Al ₂ O ₃ submicron particles. <i>Composites Science and Technology</i> , 2005 , 65, 1537-1546	8.6	55
332	Mechanical properties of injection moulded blends of polypropylene with thermotropic liquid crystalline polymer. <i>Journal of Materials Science</i> , 1996 , 31, 479-484	4.3	55
331	Electron and Ion Spectroscopic Studies of the Passive Film on Iron- Chromium Alloys. <i>Journal of the Electrochemical Society</i> , 1982 , 129, 1662-1668	3.9	55
330	Electrospun Polyvinylidene Fluoride-Based Fibrous Scaffolds with Piezoelectric Characteristics for Bone and Neural Tissue Engineering. <i>Nanomaterials</i> , 2019 , 9,	5.4	54
329	Spark Plasma Sintered Hydroxyapatite/Graphite Nanosheet and Hydroxyapatite/Multiwalled Carbon Nanotube Composites: Mechanical and in Vitro Cellular Properties. <i>Advanced Engineering Materials</i> , 2011 , 13, 336-341	3.5	54
328	Visible-Light Active Titanium Dioxide Nanomaterials with Bactericidal Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	53
327	Morphology and dynamic mechanical properties of glass beads filled low density polyethylene composites. <i>Journal of Materials Processing Technology</i> , 1998 , 79, 59-65	5.3	53
326	Creep behavior of a Fe-NiAl precipitation strengthened ferritic Fe-10NiAl alloy. <i>Acta Materialia</i> , 1998 , 46, 2969-2976	8.4	53
325	High-temperature creep behaviour of powder-metallurgy aluminium composites reinforced with SiC particles of various sizes. <i>Composites Science and Technology</i> , 1999 , 59, 1117-1125	8.6	53
324	High-cycle fatigue properties of Al-based composites reinforced with in situ TiB ₂ and Al ₂ O ₃ particulates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 386, 48-53	5.3	52
323	High temperature creep behavior of in-situ TiB ₂ particulate reinforced copper-based composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 284, 70-76	5.3	51
322	ESCA and SIMS Studies of the Passive Film on Iron. <i>Journal of the Electrochemical Society</i> , 1981 , 128, 2253-2254	3.3	51
321	Mechanical and wear behavior of an Al/Si alloy metal-matrix composite reinforced with aluminosilicate fiber. <i>Composites Science and Technology</i> , 1996 , 56, 1261-1270	8.6	50
320	Facile preparation, characterization and performance of noncovalently functionalized graphene/epoxy nanocomposites with poly(sodium 4-styrenesulfonate). <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 68, 1-9	8.4	49
319	Novel polypropylene biocomposites reinforced with carbon nanotubes and hydroxyapatite nanorods for bone replacements. <i>Materials Science and Engineering C</i> , 2013 , 33, 1380-8	8.3	49

318	Structure and properties of polyamide-6/vermiculite nanocomposites prepared by direct melt compounding. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 2860-2870	2.6	49
317	Impact and tensile properties of SEBS copolymer compatibilized PS/HDPE blends. <i>Journal of Applied Polymer Science</i> , 1998 , 68, 1099-1108	2.9	47
316	The mechanical and thermal expansion behavior of an AlSi alloy composite reinforced with potassium titanate whisker. <i>Composites Science and Technology</i> , 2000 , 60, 2873-2880	8.6	47
315	Rescaled temperature dependence of dielectric behavior of ferroelectric polymer composites. <i>Applied Physics Letters</i> , 2005 , 86, 172905	3.4	46
314	Catalytic synthesis and characterization of an alternating copolymer from carbon dioxide and propylene oxide using zinc pimelate. <i>Polymer International</i> , 2003 , 52, 799-804	3.3	46
313	Crystallization regime characteristics of exfoliated polyethylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 253-263	2.6	46
312	Effect of talc/MMA in situ polymerization on mechanical properties of PVC-matrix composites. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 2105-2112	2.9	46
311	Ternary polymer composites: PA6,6/maleated SEBS/glass beads. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 3231-3237	2.9	46
310	Structural and mechanical behavior of polypropylene/ maleated styrene-(ethylene-co-butylene)-styrene/sisal fiber composites prepared by injection molding. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1214-1222	2.6	45
309	Preparation and characterization of melt-compounded polyethylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1476-1484	2.6	45
308	Polymer composites with graphene nanofillers: electrical properties and applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 1154-68	1.3	44
307	Positive Temperature Coefficient Effect of Polypropylene/Carbon Nanotube/Montmorillonite Hybrid Nanocomposites. <i>IEEE Nanotechnology Magazine</i> , 2009 , 8, 729-736	2.6	44
306	Polymer nanocomposite bipolar plates reinforced with carbon nanotubes and graphite nanosheets. <i>Energy and Environmental Science</i> , 2011 , 4, 605	35.4	43
305	Tensile deformation mechanisms of the blends of polycarbonate with poly(methyl methacrylate). <i>European Polymer Journal</i> , 1998 , 34, 1143-1149	5.2	43
304	Preparation and properties of polyamide 6/polypropylene/vermiculite nanocomposite/polyamide 6 alloys. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 2330-2337	2.9	43
303	The microstructure and stress corrosion cracking behaviour of precipitation-hardened Fe ₇₈ .7Al ₂₉ .7Mn ₁ .04C alloy in 20% NaCl solution. <i>Materials Science and Engineering</i> , 1986 , 80, 203-211		42
302	Laser raman spectroscopic studies of the surface oxides formed on iron chromium alloys at elevated temperatures. <i>Materials Research Bulletin</i> , 1983 , 18, 157-165	5.1	42
301	Wear behavior of in situ Al-based composites containing TiB ₂ , Al ₂ O ₃ , and Al ₃ Ti particles. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999 , 30, 243-248	2.3	40

300	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surface-initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 467-484	2.5	38
299	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4547-4554	2.5	38
298	High temperature creep behavior of nanometric Si ₃ N ₄ particulate reinforced aluminium composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 225, 125-134	5.3	38
297	Structural properties and mechanical behavior of injection molded composites of polypropylene and sisal fiber. <i>Polymer Composites</i> , 2002 , 23, 319-328	3	38
296	Proton-exchange membrane electrolytes derived from phosphonic acid containing poly(arylene ether)s. <i>European Polymer Journal</i> , 2003 , 39, 627-631	5.2	38
295	Synthesis of cocyclic(arylene disulfide) oligomers and their adhesion properties as heating-melt adhesive. <i>Polymer</i> , 2001 , 42, 5215-5224	3.9	38
294	The high-temperature creep behaviour of aluminium-matrix composites reinforced with SiC, Al ₂ O ₃ and TiB ₂ particles. <i>Composites Science and Technology</i> , 1997 , 57, 697-702	8.6	37
293	Morphology, rheological and thermal properties of the melt blends of poly(phthalazinone ether ketone sulfone) with liquid crystalline copolyester. <i>Polymer</i> , 1998 , 39, 1845-1850	3.9	37
292	Wear behavior of in situ TiB ₂ /Al ₂ O ₃ /Al and TiB ₂ /Al ₂ O ₃ /AlCu composites. <i>Composites Science and Technology</i> , 1999 , 59, 1341-1347	8.6	37
291	Properties of electron beam welded SAF 2205 duplex stainless steel. <i>Journal of Materials Processing Technology</i> , 1997 , 63, 770-775	5.3	36
290	The Effect of Compatibilization of Maleated Polypropylene on a Blend of Polyamide-6 and Liquid Crystalline Copolyester. <i>Polymer International</i> , 1997 , 42, 209-217	3.3	36
289	Low-cycle fatigue behavior of Al-based composites containing in situ TiB ₂ , Al ₂ O ₃ and Al ₃ Ti reinforcements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 358, 99-106	5.3	36
288	High-temperature creep behavior of SiC particulate reinforced Al ₂ Fe ₂ V ₂ Si alloy composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 278, 5-15	5.3	36
287	Electron microscope observations of phase decompositions in an austenitic Fe-8.7Al-29.7Mn-1.04C alloy. <i>Materials Characterization</i> , 1990 , 24, 275-292	3.9	36
286	Facile synthesis of silver-decorated reduced graphene oxide as a hybrid filler material for electrically conductive polymer composites. <i>RSC Advances</i> , 2015 , 5, 15070-15076	3.7	35
285	Effects of crystallization on dispersion of carbon nanofibers and electrical properties of polymer nanocomposites. <i>Polymer Engineering and Science</i> , 2008 , 48, 177-183	2.3	35
284	Surface characteristics, mechanical properties, and cytocompatibility of oxygen plasma-implanted porous nickel titanium shape memory alloy. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 79, 139-46	5.4	35
283	Effects of glass bead size and content on the viscoelasticity of filled polypropylene composites. <i>Polymer Testing</i> , 2000 , 19, 213-220	4.5	35

282	Impact fracture behavior of PP/EPDM/glass bead ternary composites. <i>Polymer Engineering and Science</i> , 2000 , 40, 2105-2111	2-3	35
281	Composites based on maleated polypropylene and methyl cellulosic fiber: Mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 1647-1653	2-9	35
280	The dynamic mechanical response of Al ₂ O ₃ and TiB ₂ particulate reinforced aluminum matrix composites produced by in-situ reaction. <i>Materials Letters</i> , 1999 , 38, 39-44	3-3	35
279	Aqueous corrosion properties of austenitic Fe-8.7Al-29.7Mn-1.04C alloy. <i>Surface and Coatings Technology</i> , 1986 , 28, 181-186	4-4	35
278	Electrical properties of percolative polystyrene/carbon nanofiber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008 , 15, 214-220	2-3	34
277	Synthetic Biodegradable Aliphatic Polyester Nanocomposites Reinforced with Nanohydroxyapatite and/or Graphene Oxide for Bone Tissue Engineering Applications. <i>Nanomaterials</i> , 2019 , 9,	5-4	33
276	Sintered Hydroxyapatite/Polyetheretherketone Nanocomposites: Mechanical Behavior and Biocompatibility. <i>Advanced Engineering Materials</i> , 2012 , 14, B155-B165	3-5	33
275	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , 2008 , 326, 121-8	9-3	33
274	Cyclic deformation behavior of in situ aluminum matrix composites of the system Al ₃ TiTiB ₂ Al ₂ O ₃ . <i>Composites Science and Technology</i> , 2004 , 64, 1971-1980	8-6	33
273	Wear of al-based hybrid composites containing BN and SiC particulates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999 , 30, 2551-2555	2-3	33
272	Mechanical and thermal properties of polycarbonate composites reinforced with potassium titanate whiskers. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 501-508	2-9	33
271	Effects of glass bead content and surface treatment on viscoelasticity of filled polypropylene/elastomer hybrid composites. <i>Polymer International</i> , 1999 , 48, 1068-1072	3-3	33
270	The development, fabrication, and material characterization of polypropylene composites reinforced with carbon nanofiber and hydroxyapatite nanorod hybrid fillers. <i>International Journal of Nanomedicine</i> , 2014 , 9, 1299-310	7-3	32
269	Impact-specific essential work of fracture of maleic anhydride-compatible polypropylene/elastomer blends and their composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1881-1892	2-6	32
268	Dry sliding wear of TiB ₂ particle reinforced aluminium alloy composites. <i>Materials Science and Technology</i> , 2000 , 16, 99-102	1-5	32
267	Novel electrospun polyvinylidene fluoride-graphene oxide-silver nanocomposite membranes with protein and bacterial antifouling characteristics. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 365-382	3-4	32
266	Creep behavior of in-situ Al ₂ O ₃ and TiB ₂ particulates mixture-reinforced aluminum composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 256, 120-128	5-3	31
265	Reinforcement of polypropylene using sisal fibers grafted with poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1055-1064	2-9	31

264	Essential work of fracture (EWF) analysis for short glass fiber reinforced and rubber toughened nylon-6. <i>Polymer Engineering and Science</i> , 2003 , 43, 558-569	2.3	31
263	Study on in situ reinforcing and toughening of a semiflexible thermotropic copolyesteramide in PBT/PA66 blends. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 1975-1988	2.9	31
262	The performance of aluminium-matrix composites with nanometric particulate SiC reinforcement. <i>Composites Science and Technology</i> , 1999 , 59, 263-270	8.6	31
261	Aqueous graphene oxide-dispersed carbon nanotubes as inks for the scalable production of all-carbon transparent conductive films. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7043-7051	7.1	30
260	Preparation of polyetheretherketone composites with nanohydroxyapatite rods and carbon nanofibers having high strength, good biocompatibility and excellent thermal stability. <i>RSC Advances</i> , 2016 , 6, 19417-19429	3.7	30
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