

# Sie Chin Tjong

## List of Publications by Year in descending order

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410  
papers

20,094  
citations

13865

67  
h-index

16650

123  
g-index

432  
all docs

432  
docs citations

432  
times ranked

15654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural and mechanical characteristics of in situ metal matrix composites. <i>Materials Science and Engineering Reports</i> , 2000, 29, 49-113.	31.8	1,455
2	Structural and mechanical properties of polymer nanocomposites. <i>Materials Science and Engineering Reports</i> , 2006, 53, 73-197.	31.8	1,234
3	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.	31.8	918
4	Nanocrystalline materials and coatings. <i>Materials Science and Engineering Reports</i> , 2004, 45, 1-88.	31.8	768
5	Bactericidal and Cytotoxic Properties of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 449.	4.1	588
6	Novel Nanoparticle-Reinforced Metal Matrix Composites with Enhanced Mechanical Properties. <i>Advanced Engineering Materials</i> , 2007, 9, 639-652.	3.5	524
7	Processing-structure-property aspects of particulate- and whisker-reinforced titanium matrix composites. <i>Composites Science and Technology</i> , 2008, 68, 583-601.	7.8	435
8	Graphene Nanomaterials: Synthesis, Biocompatibility, and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3564.	4.1	293
9	Tribological behaviour of SiC particle-reinforced copper matrix composites. <i>Materials Letters</i> , 2000, 43, 274-280.	2.6	200
10	Mechanical behaviors of polypropylene/carbon nanotube nanocomposites: The effects of loading rate and temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 485, 508-516.	5.6	194
11	In-situ Ti-TiB metal matrix composite prepared by a reactive pressing process. <i>Scripta Materialia</i> , 2000, 42, 367-373.	5.2	181
12	Abrasive wear behavior of TiB <sub>2</sub> particle-reinforced copper matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 282, 183-186.	5.6	163
13	Morphological behaviour and instrumented dart impact properties of $\beta^2$ -crystalline-phase polypropylene. <i>Polymer</i> , 1996, 37, 2309-2316.	3.8	162
14	Electrical behavior of polypropylene/multiwalled carbon nanotube nanocomposites with low percolation threshold. <i>Scripta Materialia</i> , 2007, 57, 461-464.	5.2	158
15	Mechanical behavior of injection molded $\beta^2$ -crystalline phase polypropylene. <i>Polymer Engineering and Science</i> , 1996, 36, 100-105.	3.1	150
16	Novel Preparation and Properties of Polypropylene-Vermiculite Nanocomposites. <i>Chemistry of Materials</i> , 2002, 14, 44-51.	6.7	147
17	Effect of Secondary Phase Precipitation on the Corrosion Behavior of Duplex Stainless Steels. <i>Materials</i> , 2014, 7, 5268-5304.	2.9	146
18	An investigation on the processing of sisal fibre reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2003, 63, 1255-1258.	7.8	145

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19	Dependence of dielectric behavior on the physical property of fillers in the polymer-matrix composites. <i>Synthetic Metals</i> , 2004, 146, 79-84.	3.9	138
20	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.	5.8	136
21	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.	5.2	136
22	Brittle-tough transition in PP/EPDM blends: effects of interparticle distance and tensile deformation speed. <i>Polymer</i> , 2000, 41, 3479-3482.	3.8	130
23	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.	3.3	128
24	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.	2.3	126
25	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.	7.8	124
26	Nanometric Si <sub>3</sub> N <sub>4</sub> particulate-reinforced aluminum composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 219, 229-231.	5.6	120
27	Visible-Light Active Titanium Dioxide Nanomaterials with Bactericidal Properties. <i>Nanomaterials</i> , 2020, 10, 124.	4.1	118
28	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.	10.3	116
29	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.	2.1	115
30	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.	5.7	113
31	Electrical conductivity and dielectric response of poly(vinylidene fluoride)-graphite nanoplatelet composites. <i>Synthetic Metals</i> , 2010, 160, 1912-1919.	3.9	111
32	Thermally stable and high molecular weight poly(propylene carbonate)s from carbon dioxide and propylene oxide. <i>Polymer International</i> , 2002, 51, 1079-1085.	3.1	110
33	Electrospun Polyvinylidene Fluoride-Based Fibrous Scaffolds with Piezoelectric Characteristics for Bone and Neural Tissue Engineering. <i>Nanomaterials</i> , 2019, 9, 952.	4.1	109
34	Mechanical behavior of CaCO <sub>3</sub> particulate-filled $\beta$ -crystalline phase polypropylene composites. <i>Polymer Engineering and Science</i> , 1997, 37, 166-172.	3.1	107
35	Preparation and nonisothermal crystallization behavior of polyamide 6/montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2878-2891.	2.1	107
36	Electrical properties of low-density polyethylene/multiwalled carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 100, 132-137.	4.0	106

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37	Abrasion resistance of stainless-steel composites reinforced with hard TiB <sub>2</sub> particles. <i>Composites Science and Technology</i> , 2000, 60, 1141-1146.	7.8	105
38	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.	2.1	105
39	Nanostructured transparent conductive films: Fabrication, characterization and applications. <i>Materials Science and Engineering Reports</i> , 2016, 109, 1-101.	31.8	104
40	Synthesis and characterization of alternating copolymer from carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2327-2334.	2.6	103
41	Properties and abrasive wear of TiB <sub>2</sub> /Al-4%Cu composites produced by hot isostatic pressing. <i>Composites Science and Technology</i> , 1999, 59, 2005-2013.	7.8	99
42	In Situ ceramic particle-reinforced aluminum matrix composites fabricated by reaction pressing in the TiO <sub>2</sub> (Ti)-Al-B (B <sub>2</sub> O <sub>3</sub> ) systems. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997, 28, 1931-1942.	2.2	98
43	Impact fracture toughness of $\beta$ -form polypropylene. <i>Scripta Metallurgica Et Materialia</i> , 1995, 33, 503-508.	1.0	93
44	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 &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 347, 338-345.	5.6	93
45	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.	5.7	93
46	High-temperature creep behavior of TiC particulate reinforced Ti-6Al-4V alloy composite. <i>Acta Materialia</i> , 2002, 50, 4293-4302.	7.9	90
47	Fracture toughness of high density polyethylene/SEBS-g-MA/montmorillonite nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 314-323.	7.8	90
48	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.	2.6	89
49	Fabrication and properties of poly(propylene carbonate)/calcium carbonate composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1806-1813.	2.1	88
50	Novel Electrospun Polylactic Acid Nanocomposite Fiber Mats with Hybrid Graphene Oxide and Nanohydroxyapatite Reinforcements Having Enhanced Biocompatibility. <i>Polymers</i> , 2016, 8, 287.	4.5	88
51	Properties and morphology of polyamide 6 hybrid composites containing potassium titanate whisker and liquid crystalline copolyester. <i>Polymer</i> , 1999, 40, 1109-1117.	3.8	87
52	Electrical properties of low-density polyethylene/ZnO nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 100, 1-5.	4.0	86
53	Effect of reactive compatibilizers on the mechanical properties of polycarbonate/poly(acrylonitrile-butadiene-styrene) blends. <i>European Polymer Journal</i> , 2000, 36, 123-129.	5.4	85
54	Interface modification on the properties of sisal fiber-reinforced polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2002, 85, 169-176.	2.6	85

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55	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.	31.8	85
56	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.	3.5	83
57	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.	2.1	82
58	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.	2.6	78
59	Creep deformation characteristics of discontinuously reinforced aluminium-matrix composites. <i>Composites Science and Technology</i> , 2001, 61, 771-786.	7.8	78
60	Dielectric properties of binary polyvinylidene fluoride/barium titanate nanocomposites and their nanographite doped hybrids. <i>EXPRESS Polymer Letters</i> , 2011, 5, 526-534.	2.1	78
61	Structure, thermal and mechanical properties of in situ Al-based metal matrix composite reinforced with Al <sub>2</sub> O <sub>3</sub> and TiC submicron particles. <i>Materials Chemistry and Physics</i> , 2005, 93, 109-116.	4.0	76
62	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.	7.6	76
63	Non-isothermal crystallization kinetics of calcium carbonate-filled $\beta$ -crystalline phase polypropylene composites. <i>Polymer International</i> , 1997, 44, 95-103.	3.1	75
64	Impact-modified polypropylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2332-2341.	2.1	75
65	Microstructural and mechanical characteristics of compatibilized polypropylene hybrid composites containing potassium titanate whisker and liquid crystalline copolyester. <i>Polymer</i> , 1999, 40, 7275-7283.	3.8	71
66	Synthesis and properties of poly(aryl ether sulfone)s containing the phthalazinone moiety. <i>Journal of Applied Polymer Science</i> , 1998, 68, 137-143.	2.6	70
67	Mechanical and thermal expansion behavior of hipped aluminum-TiB <sub>2</sub> composites. <i>Materials Chemistry and Physics</i> , 2006, 97, 91-97.	4.0	70
68	Performance of potassium titanate whisker reinforced polyamide-6 composites. <i>Polymer</i> , 1998, 39, 5461-5466.	3.8	69
69	Sliding wear of stainless steel matrix composite reinforced with TiB <sub>2</sub> particles. <i>Materials Letters</i> , 1999, 41, 153-158.	2.6	69
70	Short glass fiber-reinforced polyamide 6,6 composites toughened with maleated SEBS. <i>Composites Science and Technology</i> , 2002, 62, 2017-2027.	7.8	69
71	Polyetheretherketone and Its Composites for Bone Replacement and Regeneration. <i>Polymers</i> , 2020, 12, 2858.	4.5	69
72	Interactions of Zinc Oxide Nanostructures with Mammalian Cells: Cytotoxicity and Photocatalytic Toxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6305.	4.1	69

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73	Rheology and morphology of compatibilized polyamide 6 blends containing liquid crystalline copolyesters. <i>Polymer</i> , 1998, 39, 99-107.	3.8	67
74	Novel polypropylene biocomposites reinforced with carbon nanotubes and hydroxyapatite nanorods for bone replacements. <i>Materials Science and Engineering C</i> , 2013, 33, 1380-1388.	7.3	67
75	Wear behaviour of an Al-12% Si alloy reinforced with a low volume fraction of SiC particles. <i>Composites Science and Technology</i> , 1998, 57, 1551-1558.	7.8	66
76	Morphology and mechanical characteristics of compatibilized polyamide 6-liquid crystalline polymer composites. <i>Polymer</i> , 1997, 38, 4609-4615.	3.8	65
77	Synthesis and proton conductivities of phosphonic acid containing poly-(arylene ether)s. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3218-3226.	2.3	64
78	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.	7.8	63
79	Creep behavior of a $\text{NiAl}$ precipitation strengthened ferritic Fe-Cr-Ni-Al alloy. <i>Acta Materialia</i> , 1998, 46, 2969-2976.	7.9	62
80	Tensile properties and morphology of PP/EPDM/glass bead ternary composites. <i>Polymer Composites</i> , 1999, 20, 413-422.	4.6	62
81	High cycle fatigue response of in-situ Al-based composites containing TiB <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> submicron particles. <i>Composites Science and Technology</i> , 2005, 65, 1537-1546.	7.8	62
82	Electron and Ion Spectroscopic Studies of the Passive Film on Iron-Chromium Alloys. <i>Journal of the Electrochemical Society</i> , 1982, 129, 1662-1668.	2.9	61
83	Mechanical properties of injection moulded blends of polypropylene with thermotropic liquid crystalline polymer. <i>Journal of Materials Science</i> , 1996, 31, 479-484.	3.7	61
84	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.	7.6	61
85	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.	7.8	58
86	High-cycle fatigue properties of Al-based composites reinforced with in situ TiB <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> particulates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 386, 48-53.	5.6	58
87	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	58
88	High temperature creep behavior of in-situ TiB <sub>2</sub> particulate reinforced copper-based composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 284, 70-76.	5.6	57
89	Polymer Composites with Graphene Nanofillers: Electrical Properties and Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1154-1168.	0.9	57
90	Degradation aspects of endocrine disrupting chemicals: A review on photocatalytic processes and photocatalysts. <i>Applied Catalysis A: General</i> , 2020, 597, 117547.	4.3	57

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91	ESCA and SIMS Studies of the Passive Film on Iron. <i>Journal of the Electrochemical Society</i> , 1981, 128, 2251-2254.	2.9	56
92	Morphology and dynamic mechanical properties of glass beads filled low density polyethylene composites. <i>Journal of Materials Processing Technology</i> , 1998, 79, 59-65.	6.3	56
93	The mechanical and thermal expansion behavior of an Al-Si alloy composite reinforced with potassium titanate whisker. <i>Composites Science and Technology</i> , 2000, 60, 2873-2880.	7.8	55
94	Ternary polymer composites: PA6,6/maleated SEBS/glass beads. <i>Journal of Applied Polymer Science</i> , 2001, 81, 3231-3237.	2.6	53
95	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.	2.1	52
96	Rescaled temperature dependence of dielectric behavior of ferroelectric polymer composites. <i>Applied Physics Letters</i> , 2005, 86, 172905.	3.3	52
97	Synthetic Biodegradable Aliphatic Polyester Nanocomposites Reinforced with Nanohydroxyapatite and/or Graphene Oxide for Bone Tissue Engineering Applications. <i>Nanomaterials</i> , 2019, 9, 590.	4.1	52
98	Recent Advances in Zinc Oxide Nanostructures with Antimicrobial Activities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8836.	4.1	52
99	Impact and tensile properties of SEBS copolymer compatibilized PS/HDPE blends. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1099-1108.	2.6	51
100	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.	3.1	51
101	Positive Temperature Coefficient Effect of Polypropylene/Carbon Nanotube/Montmorillonite Hybrid Nanocomposites. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 729-736.	2.0	51
102	Preparation and characterization of melt-compounded polyethylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1476-1484.	2.1	50
103	Crystallization regime characteristics of exfoliated polyethylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 253-263.	2.1	50
104	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.	2.1	49
105	Polymer nanocomposite bipolar plates reinforced with carbon nanotubes and graphite nanosheets. <i>Energy and Environmental Science</i> , 2011, 4, 605.	30.8	49
106	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.	4.4	48
107	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.	2.6	48
108	Preparation and properties of polyamide 6/polypropylene-vermiculite nanocomposite/polyamide 6 alloys. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2330-2337.	2.6	48

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109	Properties of electron beam welded SAF 2205 duplex stainless steel. <i>Journal of Materials Processing Technology</i> , 1997, 63, 770-775.	6.3	47
110	Tensile deformation mechanisms of the blends of polycarbonate with poly(methyl methacrylate). <i>European Polymer Journal</i> , 1998, 34, 1143-1149.	5.4	46
111	High temperature creep behavior of nanometric Si <sub>3</sub> N <sub>4</sub> particulate reinforced aluminium composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 225, 125-134.	5.6	45
112	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.	3.6	45
113	Wear behavior of in situ Al-based composites containing TiB <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , and Al <sub>3</sub> Ti particles. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999, 30, 243-248.	2.2	44
114	Low-cycle fatigue behavior of Al-based composites containing in situ TiB <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> and Al <sub>3</sub> Ti reinforcements. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 358, 99-106.	5.6	44
115	Antibacterial Activities of Aliphatic Polyester Nanocomposites with Silver Nanoparticles and/or Graphene Oxide Sheets. <i>Nanomaterials</i> , 2019, 9, 1102.	4.1	44
116	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.	5.2	43
117	Sintered Hydroxyapatite/Polyetheretherketone Nanocomposites: Mechanical Behavior and Biocompatibility. <i>Advanced Engineering Materials</i> , 2012, 14, B155.	3.5	43
118	The microstructure and stress corrosion cracking behaviour of precipitation-hardened Fe-8.7Al-29.7Mn-1.04C alloy in 20% NaCl solution. <i>Materials Science and Engineering</i> , 1986, 80, 203-211.	0.1	42
119	The high-temperature creep behaviour of aluminium-matrix composites reinforced with SiC, Al <sub>2</sub> O <sub>3</sub> and TiB <sub>2</sub> particles. <i>Composites Science and Technology</i> , 1997, 57, 697-702.	7.8	42
120	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.	3.6	42
121	Novel electrospun polyvinylidene fluoride-graphene oxide-silver nanocomposite membranes with protein and bacterial antifouling characteristics. <i>EXPRESS Polymer Letters</i> , 2018, 12, 365-382.	2.1	42
122	Wear behavior of in situ TiB <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> /Al and TiB <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> /Al-Cu composites. <i>Composites Science and Technology</i> , 1999, 59, 1341-1347.	7.8	41
123	High-temperature creep behavior of SiC particulate reinforced Al-Fe-V-Si alloy composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 278, 5-15.	5.6	41
124	Synthesis of cocyclic(arylene disulfide) oligomers and their adhesion properties as heating-melt adhesive. <i>Polymer</i> , 2001, 42, 5215-5224.	3.8	41
125	Structural properties and mechanical behavior of injection molded composites of polypropylene and sisal fiber. <i>Polymer Composites</i> , 2002, 23, 319-328.	4.6	41
126	Effects of crystallization on dispersion of carbon nanofibers and electrical properties of polymer nanocomposites. <i>Polymer Engineering and Science</i> , 2008, 48, 177-183.	3.1	41



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127	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. Journal of Polymer Science Part A, 2009, 47, 4547-4554.	2.3	41
128	Morphology, rheological and thermal properties of the melt blends of poly(phthalazinone ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	3.8	40
129	Proton-exchange membrane electrolytes derived from phosphonic acid containing poly(arylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 70	5.4	40
130	Electrical properties of percolative polystyrene/carbon nanofiber composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 214-220.	2.9	40
131	Melt-compounded polylactic acid composite hybrids with hydroxyapatite nanorods and silver nanoparticles: biodegradation, antibacterial ability, bioactivity and cytotoxicity. RSC Advances, 2015, 5, 72288-72299.	3.6	40
132	Aqueous corrosion properties of austenitic Fe-8.7Al-29.7Mn-1.04C alloy. Surface and Coatings Technology, 1986, 28, 181-186.	4.8	39
133	The Effect of Compatibilization of Maleated Polypropylene on a Blend of Polyamide-6 and Liquid Crystalline Copolyester. Polymer International, 1997, 42, 209-217.	3.1	39
134	Effects of glass bead size and content on the viscoelasticity of filled polypropylene composites. Polymer Testing, 2000, 19, 213-220.	4.8	39
135	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surface-initiated RAFT polymerization. Journal of Polymer Science Part A, 2009, 47, 467-484.	2.3	39
136	The dynamic mechanical response of Al <sub>2</sub> O <sub>3</sub> and TiB <sub>2</sub> particulate reinforced aluminum matrix composites produced by in-situ reaction. Materials Letters, 1999, 38, 39-44.	2.6	38
137	Cyclic deformation behavior of in situ aluminum matrix composites of the system Al-Al <sub>3</sub> Ti-TiB <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> . Composites Science and Technology, 2004, 64, 1971-1980.	7.8	38
138	Surface characteristics, mechanical properties, and cytocompatibility of oxygen plasma-implanted porous nickel titanium shape memory alloy. Journal of Biomedical Materials Research - Part A, 2006, 79A, 139-146.	4.0	38
139	Polyetheretherketone Hybrid Composites with Bioactive Nanohydroxyapatite and Multiwalled Carbon Nanotube Fillers. Polymers, 2016, 8, 425.	4.5	38
140	Enhanced electrochemical performance of solid PEO/LiClO <sub>4</sub> electrolytes with a 3D porous Li <sub>6.28</sub> La <sub>3</sub> Zr <sub>2</sub> Al <sub>0.24</sub> O <sub>12</sub> network. Composites Science and Technology, 2019, 184, 107863.	7.8	38
141	Wear behavior of As-cast ZnAl <sub>27</sub> /SiC particulate metal-matrix composites under lubricated sliding condition. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1951-1955.	2.2	37
142	Impact toughening behaviour of quaternary PP/HDPE/EPDM/EP blends. European Polymer Journal, 1998, 34, 755-760.	5.4	37
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