

# 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	Corrosion resistance of dodecanethiol-modified magnesium hydroxide coating on AZ31 magnesium alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	24
2	Recent Advances in Zinc Oxide Nanostructures with Antimicrobial Activities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8836.	4.1	52
3	Polyetheretherketone and Its Composites for Bone Replacement and Regeneration. <i>Polymers</i> , 2020, 12, 2858.	4.5	69
4	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
5	Visible-Light Active Titanium Dioxide Nanomaterials with Bactericidal Properties. <i>Nanomaterials</i> , 2020, 10, 124.	4.1	118
6	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
7	Antibacterial Activities of Aliphatic Polyester Nanocomposites with Silver Nanoparticles and/or Graphene Oxide Sheets. <i>Nanomaterials</i> , 2019, 9, 1102.	4.1	44
8	Electrospun Polyvinylidene Fluoride-Based Fibrous Scaffolds with Piezoelectric Characteristics for Bone and Neural Tissue Engineering. <i>Nanomaterials</i> , 2019, 9, 952.	4.1	109
9	Enhanced electrochemical performance of solid PEO/LiClO <sub>4</sub> electrolytes with a 3D porous Li <sub>6</sub> . <sub>28</sub> La <sub>3</sub> Zr <sub>2</sub> Al <sub>0.24</sub> O <sub>12</sub> network. <i>Composites Science and Technology</i> , 2019, 184, 107863.	7.8	38
10	Corrosion resistance of a silane/ceria modified Mg-Al-layered double hydroxide on AA5005 aluminum alloy. <i>Frontiers of Materials Science</i> , 2019, 13, 420-430.	2.2	13
11	Bactericidal and Cytotoxic Properties of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 449.	4.1	588
12	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
13	Fe <sub>3</sub> O <sub>4</sub> decorated graphene/poly(vinylidene fluoride) nanocomposites with high dielectric constant and low dielectric loss. <i>Composites Science and Technology</i> , 2019, 171, 152-161.	7.8	32
14	4.2 Effect of Interface Strength on Metal Matrix Composites Properties. , 2018, , 22-59.		3
15	Graphene Nanomaterials: Synthesis, Biocompatibility, and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3564.	4.1	293
16	Polyvinylidene fluoride: a versatile polymer for biomedical, electronic, energy and environmental applications. <i>EXPRESS Polymer Letters</i> , 2018, 12, 395-395.	2.1	4
17	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
18	Scalable Fabrication of High-Performance Transparent Conductors Using Graphene Oxide-Stabilized Single-Walled Carbon Nanotube Inks. <i>Nanomaterials</i> , 2018, 8, 224.	4.1	11

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19	Development and Antibacterial Performance of Novel Polylactic Acid-Graphene Oxide-Silver Nanoparticle Hybrid Nanocomposite Mats Prepared By Electrospinning. ACS Biomaterials Science and Engineering, 2017, 3, 471-486.	5.2	136
20	Silver-decorated reduced graphene oxides as novel building blocks for transparent conductive films. RSC Advances, 2017, 7, 2058-2065.	3.6	32
21	Designing biocompatible PEEK-based nanocomposites for load-bearing implant applications. EXPRESS Polymer Letters, 2017, 11, 434-434.	2.1	1
22	Polyetheretherketone Hybrid Composites with Bioactive Nanohydroxyapatite and Multiwalled Carbon Nanotube Fillers. Polymers, 2016, 8, 425.	4.5	38
23	Nanostructured transparent conductive films: Fabrication, characterization and applications. Materials Science and Engineering Reports, 2016, 109, 1-101.	31.8	104
24	Aqueous graphene oxide-dispersed carbon nanotubes as inks for the scalable production of all-carbon transparent conductive films. Journal of Materials Chemistry C, 2016, 4, 7043-7051.	5.5	36
25	Preparation of polyetheretherketone composites with nanohydroxyapatite rods and carbon nanofibers having high strength, good biocompatibility and excellent thermal stability. RSC Advances, 2016, 6, 19417-19429.	3.6	45
26	Novel Ferroelectric Hybrid Poly(vinylidene fluoride)/Graphene Oxide Nanocomposite for Photosensor Applications. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 435-440.	0.5	2
27	Novel Electrospun Polylactic Acid Nanocomposite Fiber Mats with Hybrid Graphene Oxide and Nanohydroxyapatite Reinforcements Having Enhanced Biocompatibility. Polymers, 2016, 8, 287.	4.5	88
28	Facile synthesis of silver-decorated reduced graphene oxide as a hybrid filler material for electrically conductive polymer composites. RSC Advances, 2015, 5, 15070-15076.	3.6	42
29	Polymer nanocomposites for energy applications. EXPRESS Polymer Letters, 2015, 9, 401-401.	2.1	1
30	Polypropylene Biocomposites with Boron Nitride and Nanohydroxyapatite Reinforcements. Materials, 2015, 8, 992-1008.	2.9	28
31	High dielectric permittivity and low loss tangent of polystyrene incorporated with hydrophobic core-shell copper nanowires. RSC Advances, 2015, 5, 38452-38459.	3.6	18
32	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
33	Electrical and photoresponse properties of Au/ reduced graphene:poly(3-hexylthiophene) nanocomposite /p-Si photodiodes. Optical and Quantum Electronics, 2015, 47, 1779-1789.	3.3	11
34	Facile preparation, characterization and performance of noncovalently functionalized graphene/epoxy nanocomposites with poly(sodium 4-styrenesulfonate). Composites Part A: Applied Science and Manufacturing, 2015, 68, 1-9.	7.6	61
35	The development, fabrication, and material characterization of polypropylene composites reinforced with carbon nanofiber and hydroxyapatite nanorod hybrid fillers. International Journal of Nanomedicine, 2014, 9, 1299.	6.7	36
36	Effect of Secondary Phase Precipitation on the Corrosion Behavior of Duplex Stainless Steels. Materials, 2014, 7, 5268-5304.	2.9	146

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37	Polymer Composites with Graphene Nanofillers: Electrical Properties and Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 1154-1168.	0.9	57
38	Preparation, Structure, and Application of Carbon Nanotubes/Bamboo Charcoal Composite. , 2014, , 1-25.		4
39	Nano silver-anchored reduced graphene oxide sheets for enhanced dielectric performance of polymer nanocomposites. RSC Advances, 2014, 4, 28426-28431.	3.6	36
40	Electrical behavior and positive temperature coefficient effect of graphene/polyvinylidene fluoride composites containing silver nanowires. Nanoscale Research Letters, 2014, 9, 375.	5.7	30
41	Zener Tunneling in Polymer Nanocomposites with Carbonaceous Fillers. , 2014, , 377-406.		2
42	Synthesis and Structural Mechanical Property Characteristics of Graphene Polymer Nanocomposites. , 2014, , 335-375.		5
43	Electrical Conductivity Properties of Polyvinyl Alcohol: Graphene Nanocomposites. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 678-684.	0.5	3
44	Low percolation threshold of graphene/polymer composites prepared by solvothermal reduction of graphene oxide in the polymer solution. Nanoscale Research Letters, 2013, 8, 132.	5.7	113
45	Novel polypropylene biocomposites reinforced with carbon nanotubes and hydroxyapatite nanorods for bone replacements. Materials Science and Engineering C, 2013, 33, 1380-1388.	7.3	67
46	Recent progress in the development and properties of novel metal matrix nanocomposites reinforced with carbon nanotubes and graphene nanosheets. Materials Science and Engineering Reports, 2013, 74, 281-350.	31.8	918
47	A graphene oxide polyvinylidene fluoride mixture as a precursor for fabricating thermally reduced graphene oxide polyvinylidene fluoride composites. RSC Advances, 2013, 3, 22981.	3.6	25
48	Mechanical and Thermal Performance of High-Density Polyethylene/Alumina Nanocomposites. Journal of Macromolecular Science - Physics, 2013, 52, 812-825.	1.0	20
49	Zener tunneling in conductive graphite/epoxy composites: Dielectric breakdown aspects. EXPRESS Polymer Letters, 2013, 7, 375-382.	2.1	20
50	Fracture Behavior of Short Carbon Fiber Reinforced Polymer Composites. , 2012, , 117-143.		0
51	Electrical Properties of Binary PVDF/clay and Ternary Graphite-doped PVDF/clay Nanocomposites. Current Nanoscience, 2012, 8, 732-738.	1.2	8
52	Carbon nanotube/epoxy resin composite: Correlation between state of nanotube dispersion and Zener tunneling parameters. Synthetic Metals, 2012, 162, 2277-2281.	3.9	17
53	Universality of Zener tunneling in carbon/polymer composites. Synthetic Metals, 2012, 161, 2647-2650.	3.9	20
54	Sintered Hydroxyapatite/Polyetheretherketone Nanocomposites: Mechanical Behavior and Biocompatibility. Advanced Engineering Materials, 2012, 14, B155.	3.5	43

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55	Mechanical and thermal behaviour of polyamide 6/silicon carbide nanocomposites toughened with maleated styrene-ethylene-butylene-styrene elastomer. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 56-63.	3.4	14
56	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
57	Graphene and its derivatives: Novel materials for forming functional polymer nanocomposites. <i>EXPRESS Polymer Letters</i> , 2012, 6, 437-437.	2.1	14
58	Dielectric Properties of Graphite Nanosheets Doped Poly(vinylidene Fluoride)/Silicon Carbide Hybrid. <i>Advanced Materials Research</i> , 2011, 279, 3-9.	0.3	0
59	Preparation and Mechanical and Tribological Properties of High-Density Polyethylene/Hydroxyapatite Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1325-1337.	1.0	24
60	Preparation and Characterization of Isotactic Polypropylene Reinforced with Hydroxyapatite Nanorods. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1983-1995.	1.0	11
61	Nonlinear electrical conduction in percolating systems induced by internal field emission. <i>Synthetic Metals</i> , 2011, 161, 540-543.	3.9	27
62	Hydrothermal Synthesis and Biocompatibility of Hydroxyapatite Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10444-10448.	0.9	12
63	Electrical Conductivity of Polyvinylidene Fluoride Nanocomposites with Carbon Nanotubes and Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10668-10672.	0.9	7
64	Polymer nanocomposite bipolar plates reinforced with carbon nanotubes and graphite nanosheets. <i>Energy and Environmental Science</i> , 2011, 4, 605.	30.8	49
65	The formation of $\beta$ -polypropylene crystals in a compatibilized blend of isotactic polypropylene and polyamide-6. <i>Polymer Engineering and Science</i> , 2011, 51, 403-410.	3.1	11
66	Effects of carbon nanofibers on the fracture, mechanical, and thermal properties of PP/SEBS-g-MA blends. <i>Polymer Engineering and Science</i> , 2011, 51, 948-958.	3.1	27
67	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
68	Microstructure and fracture behavior of maleated high-density polyethylene/silicon carbide nanocomposites toughened with poly(styrene-ethylene-butylene-styrene) triblock copolymer. <i>Advances in Polymer Technology</i> , 2011, 30, 322-333.	1.7	11
69	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
70	Mechanical, Thermal and Bioactive Behaviors of Polyamide 6/Hydroxyapatite Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10644-10648.	0.9	5
71	Direct Current Conductivity of Carbon Nanofiber-Based Conductive Polymer Composites: Effects of Temperature and Electric Field. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3916-3921.	0.9	11
72	Properties of Polyamide-6 Composites Reinforced with Hydroxyapatite Nanospheres. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 2442-2453.	1.0	0

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73	Fracture Toughness of Polyamide 6/ Maleated Styrene-Ethylene-Butylene-Styrene/Silicon Carbide Nanocomposites. <i>Advanced Materials Research</i> , 2011, 275, 229-233.	0.3	2
74	Structure and Electrical Characteristics of Poly(vinylidene fluoride) Filled with Beta Silicon Carbide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5148-5153.	0.9	7
75	Effect of Silicon Carbide Nanoparticle Additions on Microstructure and Mechanical Behavior of Maleic Anhydride Compatibilized High Density Polyethylene Composites. <i>Composite Interfaces</i> , 2011, 18, 107-120.	2.3	11
76	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
77	Alternating current electrical conductivity of high-density polyethylene-carbon nanofiber composites. <i>European Physical Journal E</i> , 2010, 32, 249-254.	1.6	19
78	A facile method for the synthesis of ZnS/polystyrene composite particles and ZnS hollow micro-spheres. <i>Journal of Materials Science</i> , 2010, 45, 777-782.	3.7	28
79	Spark Plasma Sintered Hydroxyapatite/Multiwalled Carbon Nanotube Composites With Preferred Crystal Orientation. <i>Advanced Engineering Materials</i> , 2010, 12, 1161-1165.	3.5	6
80	Mechanical and hygrothermal aging study on quaternary polyamide 6/maleated styrene-ethylene-butylene-styrene/ clay/short glass fiber hybrid composites. <i>E-Polymers</i> , 2010, 10, .	3.0	0
81	Polymer/Ceramic Composite Hybrids Containing Multi-walled Carbon Nanotubes with High Dielectric Permittivity. <i>Current Nanoscience</i> , 2010, 6, 40-44.	1.2	15
82	Electrical transport properties of graphite sheets doped polyvinylidene fluoride nanocomposites. <i>Journal of Materials Research</i> , 2010, 25, 1645-1648.	2.6	11
83	Dielectric properties of binary BaTiO <sub>3</sub> /PVDF and graphite doped CN/BaTiO <sub>3</sub> /PVDF nanocomposites. , 2010, , .		0
84	Hydrothermal synthesis and bio-mineralization of hydroxyapatite nanorod. , 2010, , .		0
85	Structure, mechanical and bioactive behaviors of polyamide 6/hydroxyapatite nanocomposites. , 2010, , .		0
86	Dielectric Response of polyvinylidene fluoride loaded with silicon carbide nanoparticles. , 2010, , .		0
87	Carbon nanotubes - attractive nanofillers for forming bio-, functional and structural polymer composites. <i>EXPRESS Polymer Letters</i> , 2010, 4, 516-516.	2.1	7
88	Frequency and Temperature Dependences of Dielectric Dispersion and Electrical Properties of Polyvinylidene Fluoride/Expanded Graphite Composites. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-10.	2.7	21
89	Essential work of fracture study on thermoplastic polyolefin filled with silicon carbide nanoparticles. <i>E-Polymers</i> , 2010, 10, .	3.0	0
90	Mechanical and Fracture Behaviors of Elastomer-Rich Thermoplastic Polyolefin/ Nanocomposites. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-9.	2.7	11

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91	Electrical conductivity and dielectric response of poly(vinylidene fluoride)â€“graphite nanoplatelet composites. <i>Synthetic Metals</i> , 2010, 160, 1912-1919.	3.9	111
92	Internal field emission and conductivity relaxation in carbon nanofiber filled polymer system. <i>Synthetic Metals</i> , 2010, 160, 2085-2088.	3.9	10
93	Fabrication, mechanical properties and fracture toughness of thermoplastic polyolefin filled with carbon nanofibers. , 2010, , .		0
94	Effect of Temperature on Electrical Conduction Behavior of Polyvinylidene Fluoride Nanocomposites with Carbon Nanotubes and Nanofibers. <i>Current Nanoscience</i> , 2010, 6, 520-524.	1.2	11
95	Corrosion Protection of In Situ Al-Based Composite by Cerium Conversion Treatment. <i>Journal of Materials Engineering and Performance</i> , 2009, 18, 88-94.	2.5	18
96	Temperature and strain rate dependences of yield stress of polypropylene composites reinforced with carbon nanofibers. <i>Polymer Composites</i> , 2009, 30, 1749-1760.	4.6	17
97	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surfaceâ€“initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 467-484.	2.3	39
98	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4547-4554.	2.3	41
99	Positive Temperature Coefficient Effect of Polypropylene/Carbon Nanotube/Montmorillonite Hybrid Nanocomposites. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 729-736.	2.0	51
100	Fabrication and properties of PVDF/expanded graphite nanocomposites. <i>E-Polymers</i> , 2009, 9, .	3.0	8
101	Deformation Mechanisms of Functionalized Carbon Nanotube Reinforced Polymer Nanocomposites. , 2009, , 341-375.		3
102	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
103	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
104	Fracture behavior of thermoplastic polyolefin/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 864-871.	2.6	24
105	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 121-128.	9.4	35
106	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
107	Electrical properties of percolative polystyrene/carbon nanofiber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008, 15, 214-220.	2.9	40
108	Fabrication and electrical conducting behavior of carbon nanofiber reinforced high-density polyethylene/ polystyrene nanocomposites with low percolation threshold. <i>E-Polymers</i> , 2008, 8, .	3.0	1



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109	PROPERTIES OF CHEMICAL VAPOR DEPOSITED NANOCRYSTALLINE DIAMOND AND NANODIAMOND/AMORPHOUS CARBON COMPOSITE FILMS. , 2007, , 167-206.		6
110	Structure and Mechanical Behavior of Isotactic Polypropylene Composites Filled with Silver Nanoparticles. E-Polymers, 2007, 7, .	3.0	10
111	Impact essential work of fracture of polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA elastomer. Composites Part A: Applied Science and Manufacturing, 2007, 38, 378-387.	7.6	76
112	Electrical Behavior of High Density Polyethylene/ZnO Nano-composites. E-Polymers, 2007, 7, .	3.0	0
113	Corrosion Behavior of Al <sub>2</sub> O <sub>3</sub> -based Composites Containing <i>in situ</i> TiB <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> and Al <sub>3</sub> Ti Reinforcements in Aerated 3.5% Sodium Chloride Solution. Advanced Engineering Materials, 2007, 9, 588-593.	3.5	8
114	Novel Nanoparticle-Reinforced Metal Matrix Composites with Enhanced Mechanical Properties. Advanced Engineering Materials, 2007, 9, 639-652.	3.5	524
115	Electrical Conducting Behavior of Polyethylene Composites Filled with Self-Passivated Aluminum Nanoparticles and Carbon Nanotubes. Advanced Engineering Materials, 2007, 9, 1014-1017.	3.5	18
116	Effects of pulsing frequency on shape recovery and investigation of nickel out-diffusion after mechanical bending of nitrogen plasma implanted NiTi shape memory alloys. Surface and Coatings Technology, 2007, 201, 8286-8290.	4.8	10
117	Oxygen plasma treatment to restrain nickel out-diffusion from porous nickel titanium orthopedic materials. Surface and Coatings Technology, 2007, 201, 4893-4896.	4.8	19
118	Corrosion properties of Fe-24Cr stainless alloy modified by plasma immersion ion implantation in 0.5M sulfuric acid solution. Surface and Coatings Technology, 2007, 201, 6781-6784.	4.8	4
119	Fracture toughness of high density polyethylene/SEBS-g-MA/montmorillonite nanocomposites. Composites Science and Technology, 2007, 67, 314-323.	7.8	90
120	Microstructure and properties of polypropylene composites filled with silver and carbon nanotube nanoparticles prepared by melt-compounding. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 142, 55-61.	3.5	83
121	Study on the $\beta^2$ to $\beta^1$ transformation of polypropylene crystals in compatibilized blend of polypropylene/polyamide. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2674-2681.	2.1	27
122	Electrical behavior of polypropylene/multiwalled carbon nanotube nanocomposites with low percolation threshold. Scripta Materialia, 2007, 57, 461-464.	5.2	158
123	Mechanical and thermal expansion behavior of hipped aluminum-TiB <sub>2</sub> composites. Materials Chemistry and Physics, 2006, 97, 91-97.	4.0	70
124	Structural and mechanical properties of polymer nanocomposites. Materials Science and Engineering Reports, 2006, 53, 73-197.	31.8	1,234
125	Low-cycle fatigue behavior of in situ TiB <sub>2</sub> /Cu composite prepared by reactive hot pressing. Journal of Materials Science, 2006, 41, 5263-5268.	3.7	9
126	Electrical properties of low-density polyethylene/ZnO nanocomposites. Materials Chemistry and Physics, 2006, 100, 1-5.	4.0	86



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127	Electrical properties of low-density polyethylene/multiwalled carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 100, 132-137.	4.0	106
128	Electrical properties of low density polyethylene/ZnO nanocomposites: The effect of thermal treatments. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1436-1444.	2.6	31
129	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, 79A, 139-146.	4.0	38
130	Fracture Characterization of High Density Polyethylene/Organoclay Nanocomposites Toughened with SEBS-g-MA. <i>Key Engineering Materials</i> , 2006, 312, 187-192.	0.4	2
131	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
132	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
133	Cyclic Deformation Characteristics of Titanium-Matrix Composite Reinforced with In-situ TiB Whiskers. <i>Advanced Engineering Materials</i> , 2005, 7, 63-68.	3.5	10
134	Influence of Fe addition on glassy stability of an Al <sub>85</sub> Ni <sub>5</sub> Y <sub>8</sub> Co <sub>2</sub> metallic glass with a large supercooled liquid region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 406, 160-165.	5.6	10
135	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
136	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
137	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
138	Rescaled temperature dependence of dielectric behavior of ferroelectric polymer composites. <i>Applied Physics Letters</i> , 2005, 86, 172905.	3.3	52
139	Morphology and Dielectric Properties of Lead Ziconate Titanate/Nano-ZnO Composite. <i>Key Engineering Materials</i> , 2005, 280-283, 171-174.	0.4	2
140	Internal friction and dynamic Young's modulus of aluminium composites reinforced in situ with TiB <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> particulates. <i>Materials Science and Technology</i> , 2004, 20, 1055-1058.	1.6	8
141	Structural-mechanical relationship of epoxy compatibilized polyamide 6/polycarbonate blends. <i>Materials Research Bulletin</i> , 2004, 39, 1791-1801.	5.2	27
142	Performance characteristics of compatibilized ternary Nylon 6/ABS/LCP in-situ composites. <i>Journal of Materials Science</i> , 2004, 39, 2737-2746.	3.7	11
143	Essential work of fracture (EWF) analysis for compression molded alternating poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.1	8
144	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

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145	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
146	One-step synthesis and ring-opening polymerization of novel macrocyclic(arylene multisulfide) oligomers. <i>Journal of Applied Polymer Science</i> , 2004, 91, 735-741.	2.6	7
147	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
148	Mechanical properties of glass fiber and liquid crystalline polymer reinforced polypropylene hybrid composites toughened with elastomers. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1539-1546.	2.6	18
149	Synthesis and Low Cycle Fatigue Behavior of In-situ Al-based Composite Reinforced with Submicron TiB <sub>2</sub> and TiC Particulates. <i>Advanced Engineering Materials</i> , 2004, 6, 964-968.	3.5	12
150	Nanocrystalline materials and coatings. <i>Materials Science and Engineering Reports</i> , 2004, 45, 1-88.	31.8	768
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