

# Sie Chin Tjong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Visible-Light Active Titanium Dioxide Nanomaterials with Bactericidal Properties. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	53
406	Corrosion resistance of dodecanethiol-modified magnesium hydroxide coating on AZ31 magnesium alloy. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	14
405	Recent Advances in Zinc Oxide Nanostructures with Antimicrobial Activities. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	22
404	Polyetheretherketone and Its Composites for Bone Replacement and Regeneration. <i>Polymers</i> , <b>2020</b> , 12,	4.5	18
403	Interactions of Zinc Oxide Nanostructures with Mammalian Cells: Cytotoxicity and Photocatalytic Toxicity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	22
402	Degradation aspects of endocrine disrupting chemicals: A review on photocatalytic processes and photocatalysts. <i>Applied Catalysis A: General</i> , <b>2020</b> , 597, 117547	5.1	24
401	Bactericidal and Cytotoxic Properties of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	297
400	Synthetic Biodegradable Aliphatic Polyester Nanocomposites Reinforced with Nanohydroxyapatite and/or Graphene Oxide for Bone Tissue Engineering Applications. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	33
399	Antibacterial Activities of Aliphatic Polyester Nanocomposites with Silver Nanoparticles and/or Graphene Oxide Sheets. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	30
398	Electrospun Polyvinylidene Fluoride-Based Fibrous Scaffolds with Piezoelectric Characteristics for Bone and Neural Tissue Engineering. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	54
397	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> , <b>2019</b> , 184, 107863	8.6	20
396	Corrosion resistance of a silane/ceria modified Mg-Al-layered double hydroxide on AA5005 aluminum alloy. <i>Frontiers of Materials Science</i> , <b>2019</b> , 13, 420-430	2.5	8
395	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> , <b>2019</b> , 171, 152-161	8.6	27
394	4.2 Effect of Interface Strength on Metal Matrix Composites Properties <b>2018</b> , 22-59		3
393	Scalable Fabrication of High-Performance Transparent Conductors Using Graphene Oxide-Stabilized Single-Walled Carbon Nanotube Inks. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	10
392	Graphene Nanomaterials: Synthesis, Biocompatibility, and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	165
391	Polyvinylidene fluoride: a versatile polymer for biomedical, electronic, energy and environmental applications. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 395-395	3.4	3

390	Novel electrospun polyvinylidene fluoride-graphene oxide-silver nanocomposite membranes with protein and bacterial antifouling characteristics. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 365-382	3.4	32
389	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> , <b>2017</b> , 3, 471-486	5.5	98
388	Silver-decorated reduced graphene oxides as novel building blocks for transparent conductive films. <i>RSC Advances</i> , <b>2017</b> , 7, 2058-2065	3.7	26
387	Nanostructured transparent conductive films: Fabrication, characterization and applications. <i>Materials Science and Engineering Reports</i> , <b>2016</b> , 109, 1-101	30.9	78
386	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> , <b>2016</b> , 4, 7043-7051	7.1	30
385	Preparation of polyetheretherketone composites with nanohydroxyapatite rods and carbon nanofibers having high strength, good biocompatibility and excellent thermal stability. <i>RSC Advances</i> , <b>2016</b> , 6, 19417-19429	3.7	30
384	Novel Electrospun Polylactic Acid Nanocomposite Fiber Mats with Hybrid Graphene Oxide and Nanohydroxyapatite Reinforcements Having Enhanced Biocompatibility. <i>Polymers</i> , <b>2016</b> , 8,	4.5	66
383	Polyetheretherketone Hybrid Composites with Bioactive Nanohydroxyapatite and Multiwalled Carbon Nanotube Fillers. <i>Polymers</i> , <b>2016</b> , 8,	4.5	26
382	Polypropylene Biocomposites with Boron Nitride and Nanohydroxyapatite Reinforcements. <i>Materials</i> , <b>2015</b> , 8, 992-1008	3.5	20
381	High dielectric permittivity and low loss tangent of polystyrene incorporated with hydrophobic core-shell copper nanowires. <i>RSC Advances</i> , <b>2015</b> , 5, 38452-38459	3.7	13
380	Melt-compounded polylactic acid composite hybrids with hydroxyapatite nanorods and silver nanoparticles: biodegradation, antibacterial ability, bioactivity and cytotoxicity. <i>RSC Advances</i> , <b>2015</b> , 5, 72288-72299	3.7	29
379	Electrical and photoresponse properties of Au/ reduced graphene:poly(3-hexylthiophene) nanocomposite /p-Si photodiodes. <i>Optical and Quantum Electronics</i> , <b>2015</b> , 47, 1779-1789	2.4	10
378	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> , <b>2015</b> , 68, 1-9	8.4	49
377	Facile synthesis of silver-decorated reduced graphene oxide as a hybrid filler material for electrically conductive polymer composites. <i>RSC Advances</i> , <b>2015</b> , 5, 15070-15076	3.7	35
376	Preparation, Structure, and Application of Carbon Nanotubes/Bamboo Charcoal Composite <b>2014</b> , 1-25		2
375	Nano silver-anchored reduced graphene oxide sheets for enhanced dielectric performance of polymer nanocomposites. <i>RSC Advances</i> , <b>2014</b> , 4, 28426-28431	3.7	27
374	Electrical behavior and positive temperature coefficient effect of graphene/polyvinylidene fluoride composites containing silver nanowires. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 375	5	23
373	Zener Tunneling in Polymer Nanocomposites with Carbonaceous Fillers <b>2014</b> , 377-406		2

372	Synthesis and Structural Mechanical Property Characteristics of Graphene Polymer Nanocomposites <b>2014</b> , 335-375		5
371	The development, fabrication, and material characterization of polypropylene composites reinforced with carbon nanofiber and hydroxyapatite nanorod hybrid fillers. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 1299-310	7.3	32
370	Effect of Secondary Phase Precipitation on the Corrosion Behavior of Duplex Stainless Steels. <i>Materials</i> , <b>2014</b> , 7, 5268-5304	3.5	99
369	Polymer composites with graphene nanofillers: electrical properties and applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 1154-68	1.3	44
368	Electrical Conductivity Properties of Polyvinyl Alcohol: Graphene Nanocomposites. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2014</b> , 9, 678-684	1.3	3
367	Low percolation threshold of graphene/polymer composites prepared by solvothermal reduction of graphene oxide in the polymer solution. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 132	5	88
366	Novel polypropylene biocomposites reinforced with carbon nanotubes and hydroxyapatite nanorods for bone replacements. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 1380-8	8.3	49
365	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> , <b>2013</b> , 74, 281-350	30.9	711
364	A graphene oxide/polyvinylidene fluoride mixture as a precursor for fabricating thermally reduced graphene oxide/polyvinylidene fluoride composites. <i>RSC Advances</i> , <b>2013</b> , 3, 22981	3.7	19
363	Mechanical and Thermal Performance of High-Density Polyethylene/Alumina Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 812-825	1.4	14
362	Zener tunneling in conductive graphite/epoxy composites: Dielectric breakdown aspects. <i>EXPRESS Polymer Letters</i> , <b>2013</b> , 7, 375-382	3.4	18
361	Synthesis of multiwalled carbon nanotubes from bamboo charcoal and the roles of minerals on their growth. <i>Biomass and Bioenergy</i> , <b>2012</b> , 36, 12-19	5.3	73
360	Carbon nanotube/epoxy resin composite: Correlation between state of nanotube dispersion and Zener tunneling parameters. <i>Synthetic Metals</i> , <b>2012</b> , 162, 2277-2281	3.6	15
359	Universality of Zener tunneling in carbon/polymer composites. <i>Synthetic Metals</i> , <b>2012</b> , 161, 2647-2650	3.6	17
358	Electrical Properties of Polymer Nanocomposites <b>2012</b> , 193-245		4
357	Polymer Nanocomposites for Sensor Applications <b>2012</b> , 351-379		2
356	Polymer Nanocomposites for Biomedical Applications <b>2012</b> , 285-329		
355	Carbonaceous Nanomaterials and Polymer Nanocomposites for Fuel Cell Applications <b>2012</b> , 247-284		

354	Preparation of Polymer Nanocomposites <b>2012</b> , 53-102		
353	Thermal Properties of Polymer Nanocomposites <b>2012</b> , 103-141		3
352	Mechanical Properties of Polymer Nanocomposites <b>2012</b> , 143-192		
351	Polymer Nanocomposites for Electromagnetic Interference (EMI) Shielding <b>2012</b> , 331-350		1
350	Sintered Hydroxyapatite/Polyetheretherketone Nanocomposites: Mechanical Behavior and Biocompatibility. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, B155-B165	3.5	33
349	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> , <b>2012</b> , 35, 56-63	3	12
348	Fracture Behavior of Short Carbon Fiber Reinforced Polymer Composites <b>2012</b> , 117-143		
347	Electrical Properties of Binary PVDF/clay and Ternary Graphite-doped PVDF/clay Nanocomposites. <i>Current Nanoscience</i> , <b>2012</b> , 8, 732-738	1.4	7
346	Graphene and its derivatives: Novel materials for forming functional polymer nanocomposites. <i>EXPRESS Polymer Letters</i> , <b>2012</b> , 6, 437-437	3.4	12
345	Dielectric Properties of Graphite Nanosheets Doped Poly(vinylidene Fluoride)/Silicon Carbide Hybrid. <i>Advanced Materials Research</i> , <b>2011</b> , 279, 3-9	0.5	
344	Isothermal Dielectric Relaxations of Poly(vinylidene Fluoride) Filled with Silicon Carbide Nanoparticles. <i>Advanced Materials Research</i> , <b>2011</b> , 279, 49-53	0.5	0
343	Preparation and Mechanical and Tribological Properties of High-Density Polyethylene/Hydroxyapatite Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1325-1337	1.4	19
342	Preparation and Characterization of Isotactic Polypropylene Reinforced with Hydroxyapatite Nanorods. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1983-1995	1.4	8
341	Nonlinear electrical conduction in percolating systems induced by internal field emission. <i>Synthetic Metals</i> , <b>2011</b> , 161, 540-543	3.6	21
340	Hydrothermal synthesis and biocompatibility of hydroxyapatite nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 10444-8	1.3	9
339	Electrical conductivity of polyvinylidene fluoride nanocomposites with carbon nanotubes and nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 10668-72	1.3	6
338	Polymer nanocomposite bipolar plates reinforced with carbon nanotubes and graphite nanosheets. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 605	35.4	43
337	The formation of polypropylene crystals in a compatibilized blend of isotactic polypropylene and polyamide-6. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 403-410	2.3	11

336	Effects of carbon nanofibers on the fracture, mechanical, and thermal properties of PP/SEBS-g-MA blends. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 948-958	2.3	24
335	Spark Plasma Sintered Hydroxyapatite/Graphite Nanosheet and Hydroxyapatite/Multiwalled Carbon Nanotube Composites: Mechanical and in Vitro Cellular Properties. <i>Advanced Engineering Materials</i> , <b>2011</b> , 13, 336-341	3.5	54
334	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> , <b>2011</b> , 30, 322-333	1.9	11
333	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> , <b>2011</b> , 49, 1758-1768	10.4	95
332	Mechanical, thermal and bioactive behaviors of polyamide 6/hydroxyapatite nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 10644-8	1.3	5
331	Direct current conductivity of carbon nanofiber-based conductive polymer composites: effects of temperature and electric field. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 3916-21	1.3	8
330	Properties of Polyamide-6 Composites Reinforced with Hydroxyapatite Nanospheres. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 2442-2453	1.4	
329	Fracture Toughness of Polyamide 6/ Maleated Styrene-Ethylene-Butylene-Styrene/Silicon Carbide Nanocomposites. <i>Advanced Materials Research</i> , <b>2011</b> , 275, 229-233	0.5	2
328	Electrical Permittivity of Polyvinylidene Fluoride Nanocomposites Filled with Organoclay and Graphite Nanoplatelets: Compared and Contrasted. <i>Key Engineering Materials</i> , <b>2011</b> , 495, 5-8	0.4	2
327	Structure and electrical characteristics of poly(vinylidene fluoride) filled with beta silicon carbide nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 5148-53	1.3	3
326	Effect of Silicon Carbide Nanoparticle Additions on Microstructure and Mechanical Behavior of Maleic Anhydride Compatibilized High Density Polyethylene Composites. <i>Composite Interfaces</i> , <b>2011</b> , 18, 107-120	2.3	11
325	Dielectric properties of binary polyvinylidene fluoride/barium titanate nanocomposites and their nanographite doped hybrids. <i>EXPRESS Polymer Letters</i> , <b>2011</b> , 5, 526-534	3.4	70
324	Polymer/Ceramic Composite Hybrids Containing Multi-walled Carbon Nanotubes with High Dielectric Permittivity. <i>Current Nanoscience</i> , <b>2010</b> , 6, 40-44	1.4	13
323	Electrical transport properties of graphite sheets doped polyvinylidene fluoride nanocomposites. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 1645-1648	2.5	11
322	Carbon nanotubes - attractive nanofillers for forming bio-, functional and structural polymer composites. <i>EXPRESS Polymer Letters</i> , <b>2010</b> , 4, 516-516	3.4	6
321	Frequency and Temperature Dependences of Dielectric Dispersion and Electrical Properties of Polyvinylidene Fluoride/Expanded Graphite Composites. <i>Journal of Nanomaterials</i> , <b>2010</b> , 2010, 1-10	3.2	16
320	Mechanical and Fracture Behaviors of Elastomer-Rich Thermoplastic Polyolefin/ Nanocomposites. <i>Journal of Nanomaterials</i> , <b>2010</b> , 2010, 1-9	3.2	10
319	Electrical conductivity and dielectric response of poly(vinylidene fluoride)/graphite nanoplatelet composites. <i>Synthetic Metals</i> , <b>2010</b> , 160, 1912-1919	3.6	94

318	Internal field emission and conductivity relaxation in carbon nanofiber filled polymer system. <i>Synthetic Metals</i> , <b>2010</b> , 160, 2085-2088	3.6	7
317	Alternating current electrical conductivity of high-density polyethylene-carbon nanofiber composites. <i>European Physical Journal E</i> , <b>2010</b> , 32, 249-54	1.5	15
316	A facile method for the synthesis of ZnS/polystyrene composite particles and ZnS hollow micro-spheres. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 777-782	4.3	27
315	Spark Plasma Sintered Hydroxyapatite/Multiwalled Carbon Nanotube Composites With Preferred Crystal Orientation. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, 1161-1165	3.5	6
314	Effect of Temperature on Electrical Conduction Behavior of Polyvinylidene Fluoride Nanocomposites with Carbon Nanotubes and Nanofibers. <i>Current Nanoscience</i> , <b>2010</b> , 6, 520-524	1.4	8
313	<b>2009</b> ,		58
312	Corrosion Protection of In Situ Al-Based Composite by Cerium Conversion Treatment. <i>Journal of Materials Engineering and Performance</i> , <b>2009</b> , 18, 88-94	1.6	15
311	Temperature and strain rate dependences of yield stress of polypropylene composites reinforced with carbon nanofibers. <i>Polymer Composites</i> , <b>2009</b> , 30, 1749-1760	3	16
310	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> , <b>2009</b> , 47, 467-484	2.5	38
309	Facile method to prepare monodispersed Ag/polystyrene composite microspheres and their properties. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4547-4554	2.5	38
308	Positive Temperature Coefficient Effect of Polypropylene/Carbon Nanotube/Montmorillonite Hybrid Nanocomposites. <i>IEEE Nanotechnology Magazine</i> , <b>2009</b> , 8, 729-736	2.6	44
307	Fabrication and properties of PVDF/expanded graphite nanocomposites. <i>E-Polymers</i> , <b>2009</b> , 9,	2.7	4
306	Deformation Mechanisms of Functionalized Carbon Nanotube Reinforced Polymer Nanocomposites <b>2009</b> , 341-375		3
305	Electrical properties of percolative polystyrene/carbon nanofiber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2008</b> , 15, 214-220	2.3	34
304	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> , <b>2008</b> , 485, 508-516	5.3	173
303	Effects of crystallization on dispersion of carbon nanofibers and electrical properties of polymer nanocomposites. <i>Polymer Engineering and Science</i> , <b>2008</b> , 48, 177-183	2.3	35
302	Fracture behavior of thermoplastic polyolefin/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 864-871	2.9	22
301	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 326, 121-8	9.3	33



300	Processing-structure-property aspects of particulate- and whisker-reinforced titanium matrix composites. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 583-601	8.6	348
299	Corrosion 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 in Aerated 3.5 % Sodium Chloride Solution. <i>Advanced Engineering Materials</i> , <b>2007</b> , 9, 588-593	3.5	8
298	Novel Nanoparticle-Reinforced Metal Matrix Composites with Enhanced Mechanical Properties. <i>Advanced Engineering Materials</i> , <b>2007</b> , 9, 639-652	3.5	446
297	Electrical Conducting Behavior of Polyethylene Composites Filled with Self-Passivated Aluminum Nanoparticles and Carbon Nanotubes. <i>Advanced Engineering Materials</i> , <b>2007</b> , 9, 1014-1017	3.5	18
296	Effects of pulsing frequency on shape recovery and investigation of nickel out-diffusion after mechanical bending of nitrogen plasma implanted NiTi shape memory alloys. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8286-8290	4.4	7
295	Oxygen plasma treatment to restrain nickel out-diffusion from porous nickel titanium orthopedic materials. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 4893-4896	4.4	17
294	Corrosion properties of Fe <sub>22</sub> Cr stainless alloy modified by plasma immersion ion implantation in 0.5 M sulfuric acid solution. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 6781-6784	4.4	3
293	Fracture toughness of high density polyethylene/SEBS-g-MA/montmorillonite nanocomposites. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 314-323	8.6	77
292	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> , <b>2007</b> , 142, 55-61	3.1	74
291	Study on the $\beta$ to $\alpha$ transformation of polypropylene crystals in compatibilized blend of polypropylene/polyamide-6. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 2674-2681	2.6	27
290	Electrical behavior of polypropylene/multiwalled carbon nanotube nanocomposites with low percolation threshold. <i>Scripta Materialia</i> , <b>2007</b> , 57, 461-464	5.6	141
289	PROPERTIES OF CHEMICAL VAPOR DEPOSITED NANOCRYSTALLINE DIAMOND AND NANODIAMOND/AMORPHOUS CARBON COMPOSITE FILMS <b>2007</b> , 167-206		2
288	Structure and Mechanical Behavior of Isotactic Polypropylene Composites Filled with Silver Nanoparticles. <i>E-Polymers</i> , <b>2007</b> , 7,	2.7	4
287	Morphology and Dielectric Properties of Lead Ziconate Titanate/Nano-ZnO Composite. <i>Key Engineering Materials</i> , <b>2007</b> , 280-283, 171-174	0.4	2
286	Impact essential work of fracture of polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA elastomer. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 378-387	8.4	66
285	Electrical properties of low-density polyethylene/ZnO nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 100, 1-5	4.4	80
284	Electrical properties of low-density polyethylene/multiwalled carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 100, 132-137	4.4	97
283	Electrical properties of low density polyethylene/ZnO nanocomposites: The effect of thermal treatments. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 1436-1444	2.9	22



282	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> , <b>2006</b> , 79, 139-46	5.4	35
281	Fracture Characterization of High Density Polyethylene/Organoclay Nanocomposites Toughened with SEBS-g-MA. <i>Key Engineering Materials</i> , <b>2006</b> , 312, 187-192	0.4	2
280	Mechanical and thermal expansion behavior of hipped aluminum/TiB <sub>2</sub> composites. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 97, 91-97	4.4	55
279	Structural and mechanical properties of polymer nanocomposites. <i>Materials Science and Engineering Reports</i> , <b>2006</b> , 53, 73-197	30.9	1093
278	Low-cycle fatigue behavior of in situ TiB <sub>2</sub> /Cu composite prepared by reactive hot pressing. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 5263-5268	4.3	8
277	Rescaled temperature dependence of dielectric behavior of ferroelectric polymer composites. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 172905	3.4	46
276	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> , <b>2005</b> , 65, 1537-1546	8.6	55
275	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> , <b>2005</b> , 93, 109-116	4.4	67
274	Cyclic Deformation Characteristics of Titanium-Matrix Composite Reinforced with In-situ TiB Whiskers. <i>Advanced Engineering Materials</i> , <b>2005</b> , 7, 63-68	3.5	8
273	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> , <b>2005</b> , 406, 160-165	5.3	9
272	Crystallization regime characteristics of exfoliated polyethylene/vermiculite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 253-263	2.6	46
271	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> , <b>2005</b> , 43, 585-595	2.6	97
270	Polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA: Structure-property relationship. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 3112-3126	2.6	78
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137	Application of Ion Beam Enhanced Deposition to Metallization of CVD Diamond Films. <i>Physica Status Solidi A</i> , <b>1998</b> , 169, R5-R6		3
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135	Synthesis and properties of poly(aryl ether sulfone)s containing the phthalazinone moiety. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 68, 137-143	2.9	67
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133	Morphology and performance of potassium titanate whisker-reinforced polypropylene composites. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 70, 431-439	2.9	26
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130	Morphology and tensile properties of glass bead filled low density polyethylene composites. <i>Polymer Testing</i> , <b>1998</b> , 16, 529-548	4.5	30
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125	Performance of potassium titanate whisker reinforced polyamide-6 composites. <i>Polymer</i> , <b>1998</b> , 39, 5461-5466	3.5	63
124	Creep behavior of in-situ Al <sub>2</sub> O <sub>3</sub> and TiB <sub>2</sub> particulates mixture-reinforced aluminum composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1998</b> , 256, 120-128	5.3	31
123	Morphology and dynamic mechanical properties of glass beads filled low density polyethylene composites. <i>Journal of Materials Processing Technology</i> , <b>1998</b> , 79, 59-65	5.3	53
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121	Effects of processing conditions on the mechanical performance of maleic anhydride compatibilized in-situ composites of polypropylene with liquid crystalline polymer. <i>Polymer Composites</i> , <b>1998</b> , 19, 1-10	3	23

120	Degradation behavior of poly (caprolactone)poly(ethylene glycol) block copolymer/low density polyethylene blends. <i>Polymer Engineering and Science</i> , <b>1998</b> , 38, 392-402	2.3	16
119	Effect of plasma immersion ion implantation on creep and rupture properties of ferritic Fe24Cr4Al stainless alloy. <i>Surface and Coatings Technology</i> , <b>1998</b> , 106, 262-267	4.4	
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117	Melt Flow Properties of LDPE/HDPE Blends in Capillary Extrusion. <i>International Polymer Processing</i> , <b>1998</b> , 13, 46-49	1	5
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112	Cyclic deformation behaviour of ferritic Fe-19Cr-4Ni-2Al alloy at elevated temperatures. <i>Materials Science and Technology</i> , <b>1997</b> , 13, 1023-1026	1.5	8
111	Corrosion behaviour of laser melted plasma sprayed coatings on 12% chromium dual phase steel. <i>Materials Science and Technology</i> , <b>1997</b> , 13, 56-60	1.5	17
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99	Properties of electron beam welded SAF 2205 duplex stainless steel. <i>Journal of Materials Processing Technology</i> , <b>1997</b> , 63, 770-775	5.3	36
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94	Non-isothermal crystallization kinetics of calcium carbonate-filled $\beta$ crystalline phase polypropylene composites. <i>Polymer International</i> , <b>1997</b> , 44, 95-103	3.3	72
93	Crystallization kinetics of compatibilized blends of a liquid crystalline polymer with polypropylene. <i>Journal of Applied Polymer Science</i> , <b>1997</b> , 64, 707-715	2.9	25
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7	Carbon Nanotube/Metal Nanocomposites 43-87		1
6	Physical Properties of Carbon Nanotube/Metal Nanocomposites 89-102		
5	Mechanical Characteristics of Carbon Nanotube/Metal Nanocomposites 103-130		2
4	Carbon Nanotube/Ceramic Nanocomposites 131-168		
3	Physical Properties of Carbon Nanotube/Ceramic Nanocomposites 169-184		
2	Mechanical Properties of Carbon Nanotube/Ceramic Nanocomposites 185-214		3
1	Dynamic Mechanical Analysis of Low-Density Polyethylene with Glass Beads		3