Nikolaos E Zafeiropoulos

List of Publications by Year
in descending order

67 papers	3,360 citations	159585 30 h-index	144013 57 g-index
68 all docs	68 docs citations	68 times ranked	3951 citing authors

#	Article	IF	Citations
1	Synthesis of a Novel Chitosan/Basil Oil Blend and Development of Novel Low Density Poly Ethylene/Chitosan/Basil Oil Active Packaging Films Following a Melt-Extrusion Process for Enhancing Chicken Breast Fillets Shelf-Life. Molecules, 2021, 26, 1585.	3.8	15
2	Printed Single-Wall Carbon Nanotube-Based Joule Heating Devices Integrated as Functional Laminae in Advanced Composites. ACS Applied Materials & Interfaces, 2021, 13, 39880-39893.	8.0	23
3	Nanoclay and Polystyrene Type Efficiency on the Development of Polystyrene/Montmorillonite/Oregano Oil Antioxidant Active Packaging Nanocomposite Films. Applied Sciences (Switzerland), 2021, 11, 9364.	2.5	10
4	Alternating Gyroid Network Structure in an ABC Miktoarm Terpolymer Comprised of Polystyrene and Two Polydienes. Nanomaterials, 2020, 10, 1497.	4.1	8
5	Segregation of Maghemite Nanoparticles within Symmetric Diblock Copolymer and Triblock Terpolymer Patterns under Solvent Vapor Annealing. Materials, 2020, 13, 1286.	2.9	3
6	Fast curing versus conventional resins â€“ degradation due to hygrothermal and UV exposure. EXPRESS Polymer Letters, 2020, 14, 401-415.	2.1	6
7	Osteogenic differentiation of bone marrow mesenchymal stem cells on chitosan/gelatin scaffolds: gene expression profile and mechanical analysis. Biomedical Materials (Bristol), 2020, 15, 064101.	3.3	10
8	Inclusion of Quercetin in Gold Nanoparticles Decorated with Supramolecular Hosts Amplifies Its Tumor Targeting Properties. ACS Applied Bio Materials, 2019, 2, 2715-2725.	4.6	30
9	All-aromatic SWCNT-Polyetherimide nanocomposites for thermal energy harvesting applications. Composites Science and Technology, 2018, 156, 158-165.	7.8	55
10	Donorâ€specific individuality of red blood cell performance during storage is partly a function of serum uric acid levels. Transfusion, 2018, 58, 34-40.	1.6	27
11	Development and Characterization of High Performance Shape Memory Alloy Coatings for Structural Aerospace Applications. Materials, 2018, 11, 832.	2.9	18
12	Shear alignment of a poly(styrene-butadiene-styrene) triblock copolymer/MWCNT nanocomposite. Polymer, 2017, 131, 1-9.	3.8	23
13	Immiscible polydiene blocks in linear copolymer and terpolymer sequences. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1238-1246.	2.1	9
14	Nanoparticle directed domain orientation in thin films of asymmetric block copolymers. Colloid and Polymer Science, 2014, 292, 2249-2260.	2.1	18
15	A Stepâ€Wise Approach for Dual Nanoparticle Patterning via Block Copolymer Selfâ€Assembly. Advanced Functional Materials, 2013, 23, 483-490.	14.9	45
16	Selective localization of multi-wall carbon nanotubes in homopolymer blends and a diblock copolymer. Rheological orientation studies of the final nanocomposites. Polymer, 2012, 53, 4438-4447.	3.8	50
17	Block Copolymer Concentration Gradient and Solvent Effects on Nanostructuring of Thin Epoxy Coatings Modified with Epoxidized Styreneâ€“Butadieneâ€“Styrene Block Copolymers. Macromolecules, 2012, 45, 1483-1491.	4.8	24
18	Polystyrene/calcium phosphate nanocomposites: Morphology, mechanical, and dielectric properties. Polymer Engineering and Science, 2012, 52, 689-699.	3.1	12

#	Article	IF	Citations
19	Self-assembled thermoset materials by modification with poly(styrene)-block-poly(2-vinylpyridine). Journal of Materials Science, 2012, 47, 4348-4353.	3.7	6
20	Influence of Anion Exchange in Self-Assembling of Polymeric Ionic Liquid Block Copolymers. Macromolecules, 2011, 44, 4936-4941.	4.8	50
21	Nanoâ€Level Mixing of ZnO into Poly(methyl methacrylate). Macromolecular Chemistry and Physics, 2010, 211, 1925-1932.	2.2	35
22	A Novel Approach for Mixing ZnO Nanoparticles into Poly(ethyl methacrylate). Macromolecular Rapid Communications, 2010, 31, 405-410.	3.9	19
23	Synthesis and chemical modification of magnetic nanoparticles covalently bound to polystyreneâ€šiCl₂â€poly(2â€vinylpyridine). Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1668-1675.	2.1	13
24	Three-Dimensional Colloidal Crystal Arrays Exhibiting Stop Band in Near-Infrared Region. Journal of Physical Chemistry C, 2010, 114, 16389-16394.	3.1	17
25	Highly ordered arrays of magnetic nanoparticles prepared via block copolymer assembly. Journal of Materials Chemistry, 2010, 20, 7734.	6.7	45
26	Investigation of the Relationship between Hydrogen Bonds and Macroscopic Properties in Hybrid Coreâ˜Shell Î³-Fe₂O₃â˜P(NIPAM-AAS) Microgels. Langmuir, 2010, 26, 7101-7106.	3.5	17
27	Tailored Growth of In(OH)₃Shell on Functionalized Polystyrene Beads. Langmuir, 2010, 26, 526-532.	3.5	28
28	Template-Assisted Fabrication of Magnetically Responsive Hollow Titania Capsules. Langmuir, 2010, 26, 17649-17655.	3.5	21
29	In situ Investigation of Structural Changes during Deformation and Fracture of Polymers by Synchrotron SAXS and WAXS. Advanced Engineering Materials, 2009, 11, 502-506.	3.5	19
30	A Study on Reaction-Induced Miscibility of Poly(trimethylene terephthalate)/Polycarbonate Blends. Journal of Physical Chemistry B, 2009, 113, 1569-1578.	2.6	32
31	A Facile Approach to Fabrication of ZnOâ˜TiO₂ Hollow Spheres. Chemistry of Materials, 2009, 21, 5343-5348.	6.7	137
32	Fabrication of hollow titania microspheres with tailored shell thickness. Colloid and Polymer Science, 2008, 286, 593-601.	2.1	32
33	Structural and ordering behavior of lamellar polystyreneâ€blockâ€polybutadieneâ€blockâ€polystyrene triblock copolymer containing layered silicates. Journal of Applied Polymer Science, 2008, 110, 3624-3637.	2.6	8
34	Switchable Photoluminescence of CdTe Nanocrystals by Temperature-Responsive Microgels. Langmuir, 2008, 24, 9820-9824.	3.5	81
35	Synthesis of Novel Tantalum Oxide Sub-micrometer Hollow Spheres with Tailored Shell Thickness. Langmuir, 2008, 24, 1013-1018.	3.5	88
36	Temperature sensitive hybrid microgels loaded with ZnO nanoparticles. Journal of Materials Chemistry, 2008, 18, 2581.	6.7	49

#	Article	IF	Citations
37	A study of the effect of surface treatments on the tensile strength of flax fibres: Part I. Application of Gaussian statistics. Composites Part A: Applied Science and Manufacturing, 2007, 38, 621-628.	7.6	49
38	A study of the effect of surface treatments on the tensile strength of flax fibres: Part II. Application of Weibull statistics. Composites Part A: Applied Science and Manufacturing, 2007, 38, 629-638.	7.6	88
39	Polystyreneâ^'ZnO Composite Particles with Controlled Morphology. Chemistry of Materials, 2007, 19, 1845-1852.	6.7	97
40	On the use of single fibre composites testing to characterise the interface in natural fibre composites. Composite Interfaces, 2007, 14, 807-820.	2.3	17
41	Curing Behavior and Final Properties of Nanostructured Thermosetting Systems Modified with Epoxidized Styreneâ€Butadiene Linear Diblock Copolymers. Macromolecular Chemistry and Physics, 2007, 208, 2281-2292.	2.2	92
42	Selfâ€Assembling Nanomaterials using Magnetic Nanoparticles Modified with Polystyrene Brushes. Macromolecular Rapid Communications, 2007, 28, 2361-2365.	3.9	33
43	Functionalization of iron oxide magnetic nanoparticles with poly(methyl methacrylate) brushes via grafting-from atom transfer radical polymerization. Journal of Polymer Science Part A, 2007, 45, 925-932.	2.3	65
44	Generation of core/shell iron oxide magnetic nanoparticles with polystyrene brushes by atom transfer radical polymerization. Journal of Polymer Science Part A, 2007, 45, 4744-4750.	2.3	31
45	Synthesis and Characterization of Thermosensitive PNIPAM Microgels Covered with Superparamagnetic Î³-Fe₂O₃ Nanoparticles. Langmuir, 2007, 23, 10280-10285.	3.5	157
46	Nanostructured Thermosetting Systems by Modification with Epoxidized Styreneâ^'Butadiene Star Block Copolymers. Effect of Epoxidation Degree. Macromolecules, 2006, 39, 2254-2261.	4.8	136
47	In situ synchrotron microbeam analysis of the stiffness of transcrystallinity in aramid fiber reinforced nylon 66 composites. Composites Science and Technology, 2006, 66, 2009-2015.	7.8	13
48	Development of biodegradable composites with treated and compatibilized lignocellulosic fibers. Journal of Applied Polymer Science, 2006, 100, 4703-4710.	2.6	83
49	The Relationship between Craze Structure and Molecular Weight in Polystyrene as Revealed by ÂμSAXS Experiments. Macromolecular Rapid Communications, 2006, 27, 1689-1694.	3.9	10
50	The Study of Cavitation in HDPE Using Time Resolved Synchrotron X-ray Scattering During Tensile Deformation. Macromolecular Symposia, 2006, 236, 241-248.	0.7	52
51	Microfocus X-Ray Scattering Scanning Microscopy for Polymer Applications. Macromolecular Rapid Communications, 2005, 26, 1547-1551.	3.9	26
52	A Study of the Effect of Acetylation and Propionylation on the Interface of Natural Fibre Biodegradable Composites. Advanced Composites Letters, 2005, 14, 096369350501400.	1.3	23
53	A study of the effect of acetylation and propionylation surface treatments on natural fibres. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1110-1118.	7.6	483
54	Reinforcement of polystyrene by covalently bonded oxo-titanium clusters. Progress in Solid State Chemistry, 2005, 33, 127-135.	7.2	29

#	Article	IF	Citations
55	Novel Organo-Functional Titaniumâ"oxo-cluster-Based Hybrid Materials with Enhanced Thermomechanical and Thermal Properties. Macromolecules, 2005, 38, 6068-6078.	4.8	69
56	The use of synchrotron X-ray scattering coupled with in situ mechanical testing for studying deformation and structural change in isotactic polypropylene. Colloid and Polymer Science, 2004, 282, 854-866.	2.1	42
57	High-Throughput Screening of the Influence of Thermal Treatment on the Mechanical Properties of Semicrystalline Polymers: A Case Study for iPP. Macromolecular Rapid Communications, 2004, 25, 355-359.	3.9	8
58	Title is missing!. Journal of Materials Science, 2003, 38, 3903-3914.	3.7	86
59	An investigation of sPS/epoxy blends by means of x-ray scattering techniques. Macromolecular Symposia, 2003, 198, 345-354.	0.7	3
60	Engineering and characterisation of the interface in flax fibre/polypropylene composite materials. Part I. Development and investigation of surface treatments. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1083-1093.	7.6	290
61	Engineering and characterisation of the interface in flax fibre/polypropylene composite materials. Part II. The effect of surface treatments on the interface. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1185-1190.	7.6	114
62	The Application of Weibull Statistics on Fragmentation Data. Advanced Composites Letters, 2002, 11, 096369350201100.	1.3	1
63	A study of transcrystallinity and its effect on the interface in flax fibre reinforced composite materials. Composites Part A: Applied Science and Manufacturing, 2001, 32, 525-543.	7.6	150
64	An Investigation of the Effect of Processing Conditions on the Interface of Flax/Polypropylene Composites. Advanced Composites Letters, 2001, 10, 096369350101000.	1.3	7
65	The Effect of Transcrystallinity on the Interface of Green Flax/Polypropylene Composite Materials. Advanced Composites Letters, 2001, 10, 096369350101000.	1.3	6
66	A Study of the Effect of Surface Treatments on the Thermal Stability of Flax Fibres. Advanced Composites Letters, 2000, 9, 096369350000900.	1.3	5
67	Characterisation of LDPE residual matrix deposited on glass fibres by a dissolution/reprecipitation recycling process. Composites Part A: Applied Science and Manufacturing, 1999, 30, 831-838.	7.6	12