

# Sandra Paszkiewicz

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

1,245  
citations

393982

19  
h-index

476904

29  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for replacing PET on packaging, fiber, and film materials with biobased counterparts. <i>Green Chemistry</i> , 2021, 23, 8795-8820.	4.6	77
2	Synthesis and characterization of poly(ethylene terephthalate-co-1,4-cyclohexanedimethylene) Tj ETQq0 0 0 rgBT /Qyerlock 10 Tf 50 70:	1.7	69
3	Electrical conductivity of poly(ethylene terephthalate)/expanded graphite nanocomposites prepared by <i>in situ</i> polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1645-1652.	2.4	55
4	Synergetic effect of single-walled carbon nanotubes (SWCNT) and graphene nanoplatelets (GNP) in electrically conductive PTT-block-PTMO hybrid nanocomposites prepared by <i>in situ</i> polymerization. <i>Composites Science and Technology</i> , 2015, 118, 72-77.	3.8	55
5	Electrically and Thermally Conductive Low Density Polyethylene-Based Nanocomposites Reinforced by MWCNT or Hybrid MWCNT/Graphene Nanoplatelets with Improved Thermo-Oxidative Stability. <i>Nanomaterials</i> , 2018, 8, 264.	1.9	51
6	Effect of chemical structure on the subglass relaxation dynamics of biobased polyesters as revealed by dielectric spectroscopy: 2,5-furandicarboxylic acid <i>vs.</i> <i>trans</i> -1,4-cyclohexanedicarboxylic acid. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15696-15706.	1.3	49
7	Structure and properties of nanocomposites based on PTT-block-PTMO copolymer and graphene oxide prepared by <i>in situ</i> polymerization. <i>European Polymer Journal</i> , 2014, 50, 69-77.	2.6	38

8

#	ARTICLE	IF	CITATIONS
19	Discussion of electrical and thermal aspects of offshore wind farms'™ power cables reliability. Renewable and Sustainable Energy Reviews, 2021, 151, 111580.	8.2	21
20	Influence of intercalated organoclay on the phase structure and physical properties of PTT'™PTMO block copolymers. Polymer Bulletin, 2013, 70, 1575-1590.	1.7	20
21	Effect of exfoliated graphite nanoplatelets'™ size on the phase structure, electrical, and barrier properties of poly(trimethylene terephthalate)-based nanocomposites. Polymer Engineering and Science, 2015, 55, 2222-2230.	1.5	20
22	X-ray and terahertz imaging as non-destructive techniques for defects detection in nanocomposites foam-core sandwich panels containing carbon nanotubes. Polymer Testing, 2019, 79, 106084.	2.3	20
23	New functional nanocomposites based on poly(trimethylene 2,5-furanoate) and few layer graphene prepared by in situ polymerization. EXPRESS Polymer Letters, 2018, 12, 530-542.	1.1	19
24	Few-Layer Graphene from Mechanical Exfoliation of Graphite-Based Materials: Structure-Dependent Characteristics. ChemEngineering, 2019, 3, 37.	1.0	19
25	Biobased Thermoplastic Elastomers: Structure-Property Relationship of Poly(hexamethylene Terephthalate) Polycondensation. Polymers, 2021, 13, 397.	2.0	18
26	Oxygen Barrier Properties and Melt Crystallization Behavior of Poly(ethylene Terephthalate) Nanocomposites. Polymers, 2021, 13, 397.	1.5	17
27	Graphene-Based Nanomaterials and Their Polymer Nanocomposites. , 2019, , 177-216.		17
28	Enhanced Functional Properties of Low-Density Polyethylene Nanocomposites Containing Hybrid Fillers of Multi-Walled Carbon Nanotubes and Nano Carbon Black. Polymers, 2020, 12, 1356.	2.0	17
29	Influence of expanded graphite (EG) and graphene oxide (GO) on physical properties of PET based nanocomposites. Polish Journal of Chemical Technology, 2014, 16, 45-50.	0.3	16
30	Phase Separation and Elastic Properties of Poly(Trimethylene Terephthalate)-block-poly(Ethylene Terephthalate) Nanocomposites. Polymers, 2021, 13, 397.	2.0	16
31	The effect of annealing on tensile properties of injection molded biopolyesters based on 2,5-furandicarboxylic acid. Polymer Engineering and Science, 2021, 61, 1536-1545.	1.5	16
32	Structure, thermal and mechanical properties of copoly(ester amide)s based on 2,5-furandicarboxylic acid. Journal of Materials Science, 2021, 56, 19296-19309.	1.7	16
33	Comparing Multi-Walled Carbon Nanotubes and Halloysite Nanotubes as Reinforcements in EVA Nanocomposites. Materials, 2020, 13, 3809.	1.3	14
34	Halloysite Nanotubes and Silane-Treated Alumina Trihydrate Hybrid Flame Retardant System for High-Performance Cable Insulation. Polymers, 2021, 13, 2134.	2.0	14
35	Electrically and thermally conductive thin elastic polymer foils containing SiC nanofibers. Composites Science and Technology, 2017, 146, 20-25.	3.8	13
36	Laser induced periodic surface structures formation by nanosecond laser irradiation of poly(ethylene terephthalate) reinforced with Expanded Graphite. Applied Surface Science, 2018, 436, 1193-1199.	3.1	13

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37	Nanomechanical and nanoscratch performance of polystyrene/poly(methyl methacrylate)/multi-walled carbon nanotubes nanocomposite coating. <i>Polymer Composites</i> , 2018, 39, E962.	2.3	13
38	Functional Properties of Poly(Trimethylene Terephthalate)-Block-Poly(Caprolactone) Based Nanocomposites Containing Graphene Oxide (GO) and Reduced Graphene Oxide (rGO). <i>Nanomaterials</i> , 2019, 9, 1459.	1.9	13
39	Electrical and rheological characterization of poly(trimethylene terephthalate) hybrid nanocomposites filled with $\text{COOH}$ functionalized MWCNT and graphene nanosheets. <i>Polymer Composites</i> , 2018, 39, 2961-2968.	2.3	12
40	Dielectric spectroscopy of novel bio-based aliphatic-aromatic block copolymers: Poly(butylene terephthalate)- <i>Journal of Applied Polymer Science</i> , 2019, 143, 4750-4762.	0.7	12
41	Comparative study on the properties of poly(trimethylene terephthalate)-based nanocomposites containing multi-walled carbon (MWCNT) and tungsten disulfide ( $\text{WS}_2$ ) nanotubes. <i>Polymers for Advanced Technologies</i> , 2017, 28, 645-657.	1.6	11
42	Effect of Halloysite Nanotube on Mechanical Properties, Thermal Stability and Morphology of Polypropylene and Polypropylene/Short Kenaf Fibers Hybrid Biocomposites. <i>Materials</i> , 2020, 13, 4459.	1.3	11
43	Nanocomposites of Polymeric Biomaterials Containing Carbonate Groups: An Overview. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700042.	1.7	10
44	Laterally-resolved mechanical and tribological properties of laser-structured polymer nanocomposites. <i>Polymer</i> , 2019, 168, 178-184.	1.8	10
45	Preparation and Characterization of Hybrid Nanocomposites for Dental Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1381.	1.3	10
46	Thermoplastic elastomers containing 2D nanofillers: montmorillonite, graphene nanoplatelets and oxidized graphene platelets. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 74-81.	0.3	9
47	Characterization of polypropylene/poly(2,6-dimethyl-1,4-phenylene oxide) blends with improved thermal stability. <i>Polymer Bulletin</i> , 2018, 75, 3679-3691.	1.7	9
48	Thin polymer films based on poly(vinyl alcohol) containing graphene oxide and reduced graphene oxide with functional properties. <i>Polymer Engineering and Science</i> , 2021, 61, 1685-1694.	1.5	9
49	Influence of Rigid Segment Type on Copoly(ether-ester) Properties. <i>Materials</i> , 2021, 14, 4614.	1.3	9
50	Detailed study on interfacial interactions in epoxy composites cured with 1-butylimidazole containing functionalized carbon nanotubes. <i>Composite Interfaces</i> , 2015, 22, 629-649.	1.3	8
51	Laser induced periodic surface structures on polymer nanocomposites with carbon nanoadditives. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	8
52	Interfacial interactions in PTT-PTMO/polyhedral oligomeric silsesquioxane (POSS) nanocomposites and their impact on mechanical, thermal, and dielectric properties. <i>Polymer Bulletin</i> , 2018, 75, 4999-5014.	1.7	8
53	Synthesis, structure, and physical properties of poly(trimethylene terephthalate)-poly(ethylene terephthalate) nanocomposites. <i>Polymer Bulletin</i> , 2018, 75, 136, 47341.	1.3	8
54	State-of-the art non-destructive techniques for defects detection in nanocomposites foam-core sandwich panels containing carbon nanotubes: IR thermography and microwave imaging. <i>Polymer Testing</i> , 2019, 73, 352-358.	2.3	8

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55	Mechanical and thermal properties of hybrid nanocomposites prepared by in situ polymerization. <i>Polimery</i> , 2016, 61, 172-180.	0.4	8
56	Morphology and phase separation in PTT-block-PTMO nanocomposites containing POSS particles. <i>European Polymer Journal</i> , 2015, 70, 37-44.	2.6	7
57	Microstructure, thermal stability, and mechanical properties of modified polycarbonate with polyolefin and silica nanoparticles. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1794-1803.	1.6	7
58	Relaxation behaviour and free volume of bio-based Poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (terephthalate)-block-Annihilation Lifetime Spectroscopies. <i>Polymer</i> , 2021, 229, 123949.	1.8	7
59	Thermally and electrically conducting polycarbonate/elastomer blends combined with multiwalled carbon nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2019, , 089270571986827.	2.6	6
60	Radial Water Barrier in Submarine Cables, Current Solutions and Innovative Development Directions. <i>Energies</i> , 2021, 14, 2761.	1.6	6
61	Influence of hybrid system of nanofillers on the functional properties of postconsumer PETâ€‘based nanocomposites. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2983-2992.	1.6	5
62	Laser-Induced Periodic Surface Structuring of Poly(trimethylene terephthalate) Films Containing Tungsten Disulfide Nanotubes. <i>Polymers</i> , 2020, 12, 1090.	2.0	5
63	Improvement of barrier properties of glycol modified poly(ethylene terephthalate) based nanocomposites containing graphene derivatives forms. <i>Polimery</i> , 2017, 62, 868-874.	0.4	5
64	Synthesis and characterization of new reactive polymer blends based on post-consumer glycol-modified poly(ethylene terephthalate) foils and poly(tetramethylene oxide). <i>Polimery</i> , 2018, 63, 45-48.	0.4	5
65	Comparison study of the influence of carbon and halloysite nanotubes on the preparation and rheological behavior of linear low density polyethylene. <i>Polimery</i> , 2020, 65, 95-98.	0.4	5
66	Modification of substandard EPDM with amorphous thermoplastic polyesters (PETG and PEF): microstructure and physical properties. <i>Polish Journal of Chemical Technology</i> , 2018, 20, 8-14.	0.3	4
67	Synthesis and characterization of poly(hexamethylene 2,6-naphthalate)-block-poly(tetrahydrofuran) copolymers with shape memory effect. <i>Materials Research Bulletin</i> , 2022, 155, 111954.	2.7	4
68	The Role of Interfacial Interactions on the Functional Properties of Ethyleneâ€‘Propylene Copolymer Containing SiO <sub>2</sub> Nanoparticles. <i>Polymers</i> , 2020, 12, 2308.	2.0	3
69	Effect of addition of expanded graphite (EG) on the synthesis and characteristics of poly(ethylene) Tj ETQq1 1 0.784314 rgBT <sub>3</sub> /Overlock	0.4	3
70	Influence of water absorption on chosen strength properties of single-polymer polyester composites. <i>Polimery</i> , 2018, 63, 264-269.	0.4	3
71	Multifunctional Polymer Nanocomposites Based on Thermoplastic Polyesters. , 0, ,		2
72			

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73	Elektrycznie i termicznie przewodzące nanokompozyty polimerowe na bazie polietylenu o małej gęstości z dodatkiem nanopłatek grafenowych. <i>Przemysł Chemiczny</i> , 2017, 1, 167-172.	0.0	2
74	The Properties of Poly(ester amide)s Based on Dimethyl 2,5-Furandicarboxylate as a Function of Methylene Sequence Length in Polymer Backbone. <i>Polymers</i> , 2022, 14, 2295.	2.0	2
75	Relaxation Dynamics of Biomass-Derived Copolymers With Promising Gas-Barrier Properties. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	2
76	Nanocomposites Based on Thermoplastic Polyester Elastomers. , 2017, , .		1
77	Green Highly Clay-Filled Polyethylene Composites as Coating Materials for Cable Industry – A New Application Route of Non-Organophilised Natural Montmorillonites in Polymeric Materials. <i>Polymers</i> , 2020, 12, 1399.	2.0	1
78	Preparation and characterization of polymer blends based on the wastes from automotive coverings. <i>Polimery</i> , 2020, 65, 232-239.	0.4	1
79	Formation of LIPSS in nanocomposites of Poly (ethylene terephthalate)/Expanded Graphite by using UV nanosecond laser pulses. , 2016, , .		0
80	Synthesis and characterization of new poly(ethylene terephthalate)/poly(phenylene oxide) blends. <i>Polimery</i> , 2017, 62, 93-100.	0.4	0
81	Wpływ zawartości octanu winylu w materiałach izolacyjnych na ich właściwości mechaniczne oraz ognioodporność. <i>Przemysł Chemiczny</i> , 2019, 1, 151-155.	0.0	0
82	Influence of synthesis conditions on molecular weight as well as mechanical and thermal properties of poly(hexamethylene 2,5-furanate). <i>Polimery</i> , 2021, 66, .	0.4	0