Anna Szymczyk

List of Publications by Year in Descending Order

76 papers	1,160 citations	19 h-index	31 g-index
82 ext. papers	1,354 ext. citations	3.2 avg, IF	4.63 L-index

#	Paper	IF	Citations
76	Bio-based aliphatic/aromatic poly(trimethylene furanoate/sebacate) random copolymers: Correlation between mechanical, gas barrier performances and compostability and copolymer composition. *Polymer Degradation and Stability*, **2022**, 195, 109800	4.7	0
75	Recommendations for replacing PET on packaging, fiber, and film materials with biobased counterparts. *Green Chemistry*, **2021**, 23, 8795-8820	10	12
74	Thin polymer films based on poly(vinyl alcohol) containing graphene oxide and reduced graphene oxide with functional properties. *Polymer Engineering and Science*, **2021**, 61, 1685-1694	2.3	1
73	Biobased Thermoplastic Elastomers: Structure-Property Relationship of Poly(hexamethylene 2,5-furanodicarboxylate)-Block-Poly(tetrahydrofuran) Copolymers Prepared by Melt Polycondensation. *Polymers*, **2021**, 13,	4.5	4
72	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	2.3	4
71	Laser-Induced Periodic Surface Structuring of Poly(trimethylene terephthalate) Films Containing Tungsten Disulfide Nanotubes. *Polymers*, **2020**, 12,	4.5	3
70	Enhanced Functional Properties of Low-Density Polyethylene Nanocomposites Containing Hybrid Fillers of Multi-Walled Carbon Nanotubes and Nano Carbon Black. *Polymers*, **2020**, 12,	4.5	8
69	Ethylene vinyl acetate copolymer/halloysite nanotubes nanocomposites with enhanced mechanical and thermal properties. *Journal of Applied Polymer Science*, **2020**, 137, 49135	2.9	13
68	Comparing Multi-Walled Carbon Nanotubes and Halloysite Nanotubes as Reinforcements in EVA Nanocomposites. *Materials*, **2020**, 13,	3.5	4
67	Thermally and electrically conducting polycarbonate/elastomer blends combined with multiwalled carbon nanotubes. *Journal of Thermoplastic Composite Materials*, **2019**, 089270571986827	1.9	4
66	Laterally-resolved mechanical and tribological properties of laser-structured polymer nanocomposites. *Polymer*, **2019**, 168, 178-184	3.9	5
65	Influence of hybrid system of nanofillers on the functional properties of postconsumer PET-G□based nanocomposites. *Polymers for Advanced Technologies*, **2019**, 30, 2983-2992	3.2	2
64	Poly(ethylene furanoate) modified with dimerized fatty acid diol towards multiblock copolymers: Microstructure □Property relationship. *Materials Today Communications*, **2019**, 20, 100577	2.5	4
63	Magnetic Properties of Poly(trimethylene terephthalate-block-Poly(tetramethylene oxide) Copolymer Nanocomposites Reinforced by Graphene Oxide□e3O4 Hybrid Nanoparticles. *Physica Status Solidi (A) Applications and Materials Science*, **2019**, 216, 1900402	1.6	1
62	Functional Properties of Poly(Trimethylene Terephthalate)-Block-Poly(Caprolactone) Based Nanocomposites Containing Graphene Oxide (GO) and Reduced Graphene Oxide (rGO). *Nanomaterials*, **2019**, 9,	5.4	6
61	Synthesis, structure, and physical properties of poly(trimethylene terephthalate)-block-poly(caprolactone) copolymers. *Journal of Applied Polymer Science*, **2019**, 136, 47341	2.9	4
60	Graphene-Based Nanomaterials and Their Polymer Nanocomposites **2019**, 177-216		9

59	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	6.7	9
58	Interfacial interactions in PTT/PTMO/polyhedral oligomeric silsesquioxane (POSS) nanocomposites and their impact on mechanical, thermal, and dielectric properties. *Polymer Bulletin*, **2018**, 75, 4999-5014	2.4	6
57	Electrical and rheological characterization of poly(trimethylene terephthalate) hybrid nanocomposites filled with COOH functionalized MWCNT and graphene nanosheets. *Polymer Composites*, **2018**, 39, 2961-2968	3	9
56	Electrically and Thermally Conductive Low Density Polyethylene-Based Nanocomposites Reinforced by MWCNT or Hybrid MWCNT/Graphene Nanoplatelets with Improved Thermo-Oxidative Stability. *Nanomaterials*, **2018**, 8,	5.4	37
55	Synthesis and characterization of new reactive polymer blends based on post-consumer glycol-modified poly(ethylene terephthalate) foils and poly(tetramethylene oxide). *Polimery*, **2018**, 63, 45-48	3.4	4
54	Effect of thermal aging on the crystalline structure and mechanical performance of fully bio-based, furan-ester, multiblock copolymers. *Polimery*, **2018**, 63, 594-602	3.4	6
53	Characterization of polypropylene/poly(2,6-dimethyl-1,4-phenylene oxide) blends with improved thermal stability. *Polymer Bulletin*, **2018**, 75, 3679-3691	2.4	7
52	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	3.4	12
51	Effect of chemical structure on the subglass relaxation dynamics of biobased polyesters as revealed by dielectric spectroscopy: 2,5-furandicarboxylic acid vs. trans-1,4-cyclohexanedicarboxylic acid. *Physical Chemistry Chemical Physics*, **2018**, 20, 15696-15706	3.6	35
50	Improved Thermal Conductivity of Poly(trimethylene terephthalate-block -poly(tetramethylene oxide) Based Nanocomposites Containing Hybrid Single-Walled Carbon Nanotubes/Graphene Nanoplatelets Fillers. *Advances in Polymer Technology*, **2017**, 36, 236-242	1.9	22
49	Electrically and thermally conductive thin elastic polymer foils containing SiC nanofibers. *Composites Science and Technology*, **2017**, 146, 20-25	8.6	9
48	Microstructure, thermal stability, and mechanical properties of modified polycarbonate with polyolefin and silica nanoparticles. *Polymers for Advanced Technologies*, **2017**, 28, 1794-1803	3.2	7
47	Synthesis and structure–property relationship of biobased poly(butylene 2,5-furanoate)-block-(dimerized fatty acid) copolymers. *Polymer*, **2017**, 130, 26-38	3.9	22
46	Nanocomposites Based on Thermoplastic Polyester Elastomers **2017**,		1
45	Synthesis and characterization of poly(ethylene terephthalate-co-1,4-cyclohexanedimethylene terephtlatate)-block-poly(tetramethylene oxide) copolymers. *RSC Advances*, **2017**, 7, 41745-41754	3.7	40
44	Laser induced periodic surface structures on polymer nanocomposites with carbon nanoadditives. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	6
43	Comparative study on the properties of poly(trimethylene terephthalate) -based nanocomposites containing multi-walled carbon (MWCNT) and tungsten disulfide (INT-WS2) nanotubes. *Polymers for Advanced Technologies*, **2017**, 28, 645-657	3.2	6
42	Electrical conductivity and transparency of polymer hybrid nanocomposites based on poly(trimethylene terephthalate) containing single walled carbon nanotubes and expanded graphite. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	19

41	Improvement of barrier properties of glycol modified poly(ethylene terephthalate) based nanocomposites containing graphene derivatives forms. *Polimery*, **2017**, 62, 868-874	3.4	3
40	Elektrycznie i termicznie przewodzące nanokompozyty polimerowe na bazie polietylenu o małej gęstości z dodatkiem nanopłytek grafenowych. *Przemysl Chemiczny*, **2017**, 1, 167-172	1.8	2
39	The influence of different shaped nanofillers (1D, 2D) on barrier and mechanical properties of polymer hybrid nanocomposites based on PET prepared by in situ polymerization. *Polymer Composites*, **2016**, 37, 1949-1959	3	17
38	Mechanical and thermal properties of hybrid nanocomposites prepared by in situ polymerization. *Polimery*, **2016**, 61, 172-180	3.4	6
37	Phase Separation and Elastic Properties of Poly(Trimethylene Terephthalate)-block-poly(Ethylene Oxide) Copolymers. *Polymers*, **2016**, 8,	4.5	10
36	Magnetic studies of 0.7(Fe2O3)/0.3(ZnO) nanocomposites in nanopowder form and dispersed in polymer matrix. *Materials Science-Poland*, **2016**, 34, 286-296	0.6	4
35	Graphene Derivatives in Semicrystalline Polymer Composites **2016**, 145-192		2
34	Fully biobased multiblock copolymers of furan-aromatic polyester and dimerized fatty acid: Synthesis and characterization. *Polymer*, **2016**, 99, 503-512	3.9	34
33	Synergetic effect of single-walled carbon nanotubes (SWCNT) and graphene nanoplatelets (GNP) in electrically conductive PTT-block-PTMO hybrid nanocomposites prepared by in situ polymerization. *Composites Science and Technology*, **2015**, 118, 72-77	8.6	46
32	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	2.3	13
31	Oxygen Barrier Properties and Melt Crystallization Behavior of Poly(ethylene terephthalate)/Graphene Oxide Nanocomposites. *Journal of Nanomaterials*, **2015**, 2015, 1-10	3.2	10
30	Enhanced thermal and mechanical properties of poly(trimethylene terephthalate-block-poly(tetramethylene oxide) segmented copolymer based hybrid nanocomposites prepared by in situ polymerization via synergy effect between SWCNTs and graphene nanoplatelets. *EXPRESS Polymer Letters*, **2015**, 9, 509-524	3.4	26
29	Thermoplastic elastomers containing 2D nanofillers: montmorillonite, graphene nanoplatelets and oxidized graphene platelets. *Polish Journal of Chemical Technology*, **2015**, 17, 74-81	1	6
28	Structure and properties of nanocomposites based on PTT-block-PTMO copolymer and graphene oxide prepared by in situ polymerization. *European Polymer Journal*, **2014**, 50, 69-77	5.2	35
27	Broadband dielectric spectroscopy of nanocomposites based on PVDF and expanded graphite. *IOP Conference Series: Materials Science and Engineering*, **2014**, 64, 012003	0.4	2
26	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	1	14
25	Influence of intercalated organoclay on the phase structure and physical properties of PTT-PTMO block copolymers. *Polymer Bulletin*, **2013**, 70, 1575-1590	2.4	17
24	Effect of addition of expanded graphite (EG) on the synthesis and characteristics of poly(ethylene terephthalate) modified with cyclohexanedimethanol (PETG). *Polimery*, **2013**, 58, 893-899	3.4	3

23	Electrical conductivity of poly(ethylene terephthalate)/expanded graphite nanocomposites prepared by in situ polymerization. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 1645-1652	2.6	45
22	Laser-induced periodic surface structures nanofabricated on poly(trimethylene terephthalate) spin-coated films. *Langmuir*, **2012**, 28, 7938-45	4	44
21	Poly(trimethylene terephthalate-block-tetramethylene oxide) elastomer/single-walled carbon nanotubes nanocomposites: Synthesis, structure, and properties. *Journal of Applied Polymer Science* , **2012**, 126, 796-807	2.9	26
20	Non-isothermal crystallization of poly(trimethylene terephthalate)/single-walled carbon nanotubes nanocomposites. *Polimery*, **2012**, 57, 221-227	3.4	2
19	The influence of soft segment length on structure and properties of poly(trimethylene terephthalate)-block-poly(tetramethylene oxide) segmented random copolymers. *Polymers for Advanced Technologies*, **2011**, 22, 72-83	3.2	27
18	Preparation and characterization of nanocomposites based on COOH functionalized multi-walled carbon nanotubes and on poly(trimethylene terephthalate). *EXPRESS Polymer Letters*, **2011**, 5, 977-995	3.4	49
17	Magnetic properties of carbon nanotube poly(ether-ester) nanocomposites. *Journal of Applied Physics*, **2010**, 108, 054314	2.5	4
16	Design, synthesis, characterization and optimization of PTT-b-PEO copolymers: A new membrane material for CO2 separation. *Journal of Membrane Science*, **2010**, 362, 407-416	9.6	79
15	Structure and properties of new polyester elastomers composed of poly(trimethylene terephthalate) and poly(ethylene oxide). *European Polymer Journal*, **2009**, 45, 2653-2664	5.2	80
14	Influence of preparation procedure on the conductivity and transparency of SWCNT-polymer nanocomposites. *Composites Science and Technology*, **2009**, 69, 1867-1872	8.6	57
13	Nematic-to-isotropic photo-induced phase transition in azobenzene-doped low-molar liquid crystals. *Physical Chemistry Chemical Physics*, **2009**, 11, 4244-50	3.6	30
12	Thermal characterization of polymer composites with nanocrystalline maghemite. *Polimery*, **2009**, 54, 546-551	3.4	7
11	FMR and DSC study of maghemite nanoparticles in PMMA polymer matrix. *Journal of Non-Crystalline Solids*, **2008**, 354, 4256-4261	3.9	7
10	New multiblock poly(ether-ester)s based on poly(trimethylene terephthalate) as rigid segments. *European Polymer Journal*, **2008**, 44, 436-443	5.2	68
9	Degradation and stabilization of thermoplastic ether-ester elastomers (TPE-E). *Polimery*, **2006**, 51, 627-642	3.4	12
8	Oxidation of (Ti,W)C ceramic powders. *Journal of Thermal Analysis and Calorimetry*, **2004**, 77, 75-83	4.1	6
7	Synthesis, Structural and Magnetic Resonance Studies of YxEr2-xCu2O5 Compounds. *Radiation Effects and Defects in Solids*, **2003**, 158, 105-113	0.9	2
6	Poly(ether-block-sulfonated ester) copolymers. III. Morphology and ionic aggregation in PESE. *Journal of Macromolecular Science - Physics*, **2002**, 41, 507-528	1.4	

5	POLY(ETHER-BLOCK-SULFONATED ESTER)COPOLYMERS. I. PHASE STRUCTURE AND PHYSICAL PROPERTIES*. *Journal of Macromolecular Science - Physics*, **2001**, 40, 669-684	1.4	6
4	POLY(ETHER-BLOCK-SULFONATED ESTER) COPOLYMERS. II. MECHANICAL AND DIELECTRIC RELAXATION*. *Journal of Macromolecular Science - Physics*, **2001**, 40, 685-708	1.4	2
3	Sulfonated poly(etherBblockEster) ionomers with anions in the polyester hard segments. *Polymers for Advanced Technologies*, **1999**, 10, 579-587	3.2	12
2	The phase structure and mechanical properties of polyamide 6 (PA 6) / poly(butylene terephthalate) (PBT) blends. *Polimery*, **1999**, 44, 30-37	3.4	2
1	Sulfonated poly(etherBblockEster) ionomers with anions in the polyester hard segments **1999**, 10, 579		1