Vasilios Tsanaktsis

List of Publications by Year
in descending order

23 papers	1,680 citations	361045 20 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	831 citing authors

#	Article	IF	Citations
1	Synthesis of poly(ethylene furandicarboxylate) polyester using monomers derived from renewable resources: thermal behavior comparison with PET and PEN. Physical Chemistry Chemical Physics, 2014, 16, 7946-7958.	1.3	247
2	Synthesis of the bio-based polyester poly(propylene 2,5-furan dicarboxylate). Comparison of thermal behavior and solid state structure with its terephthalate and naphthalate homologues. Polymer, 2015, 62, 28-38.	1.8	165
3	Evaluation of polyesters from renewable resources as alternatives to the current fossil-based polymers. Phase transitions of poly(butylene 2,5-furan-dicarboxylate). Polymer, 2014, 55, 3846-3858.	1.8	155
4	Furan-based polyesters from renewable resources: Crystallization and thermal degradation behavior of poly(hexamethylene 2,5-furan-dicarboxylate). European Polymer Journal, 2015, 67, 383-396.	2.6	127
5	Thermal degradation kinetics and decomposition mechanism of polyesters based on 2,5-furandicarboxylic acid and low molecular weight aliphatic diols. Journal of Analytical and Applied Pyrolysis, 2015, 112, 369-378.	2.6	94
6	Crystallization and Polymorphism of Poly(ethylene furanoate). Crystal Growth and Design, 2015, 15, 5505-5512.	1.4	94
7	A facile method to synthesize highâ€molecularâ€weight biobased polyesters from 2,5â€furandicarboxylic acid and longâ€chain diols. Journal of Polymer Science Part A, 2015, 53, 2617-2632.	2.5	90
8	Fast Crystallization and Melting Behavior of a Long-Spaced Aliphatic Furandicarboxylate Biobased Polyester, Poly(dodecylene 2,5-furanoate). Industrial & Engineering Chemistry Research, 2016, 55, 5315-5326.	1.8	73
9	Thermal and structural response of in situ prepared biobased poly(ethylene 2,5-furan dicarboxylate) nanocomposites. Polymer, 2016, 103, 288-298.	1.8	70
10	New poly(pentylene furanoate) and poly(heptylene furanoate) sustainable polyesters from diols with odd methylene groups. Materials Letters, 2016, 178, 64-67.	1.3	67
11	Biobased poly(ethylene furanoate-co-ethylene succinate) copolyesters: solid state structure, melting point depression and biodegradability. RSC Advances, 2016, 6, 84003-84015.	1.7	63
12	Sustainable, eco-friendly polyesters synthesized from renewable resources: preparation and thermal characteristics of poly(dimethyl-propylene furanoate). Polymer Chemistry, 2015, 6, 8284-8296.	1.9	60
13	Thermal degradation of biobased polyesters: Kinetics and decomposition mechanism of polyesters from 2,5-furandicarboxylic acid and long-chain aliphatic diols. Journal of Analytical and Applied Pyrolysis, 2016, 117, 162-175.	2.6	59
14	Synthesis, properties and thermal behavior of poly(decylene-2,5-furanoate): a biobased polyester from 2,5-furan dicarboxylic acid. RSC Advances, 2015, 5, 74592-74604.	1.7	57
15	Synthesis and Characterization of Bio-Based Polyesters: Poly(2-methyl-1,3-propylene-2,5-furanoate), Poly(isosorbide-2,5-furanoate), Poly(1,4-cyclohexanedimethylene-2,5-furanoate). Materials, 2017, 10, 801.	1.3	53
16	On the bio-based furanic polyesters: Synthesis and thermal behavior study of poly(octylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T 2015, 68, 115-127.	2.6	49
17	Decomposition mechanism of polyesters based on 2,5-furandicarboxylic acid and aliphatic diols with medium and long chain methylene groups. Polymer Degradation and Stability, 2016, 132, 127-136.	2.7	45
18	Crystallization of poly(butylene-2,6-naphthalate-co-butylene adipate) copolymers: regulating crystal modification of the polymorphic parent homopolymers and biodegradation. CrystEngComm, 2014, 16, 7963-7978.	1.3	34

#	Article	IF	Citations
19	Structure, thermal transitions and polymer dynamics in nanocomposites based on poly(Îµ-caprolactone) and nano-inclusions of 1-3D geometry. Thermochimica Acta, 2018, 666, 229-240.	1.2	22
20	Amino-Functionalized Multiwalled Carbon Nanotubes Lead to Successful Ring-Opening Polymerization of Poly(Îµ-caprolactone): Enhanced Interfacial Bonding and Optimized Mechanical Properties. ACS Applied Materials & Interfaces, 2015, 7, 11683-11694.	4.0	21
21	Effect of graphene oxide and its modification on the microstructure, thermal properties and enzymatic hydrolysis of poly(ethylene succinate) nanocomposites. Thermochimica Acta, 2015, 614, 116-128.	1.2	20
22	Polycaprolactone/multi-wall carbon nanotube nanocomposites prepared by in situ ring opening polymerization: Decomposition profiling using thermogravimetric analysis and analytical pyrolysisâ€“gas chromatography/mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2015, 115, 125-131.	2.6	14
23	Applying quality by design approach for the determination of potent paclitaxel loaded poly(lactic acid) based implants for localized tumor drug delivery. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 968-983.	1.8	1