Abdelilah Alla Bedahnane

List of Publications by Citations

68 papers	1,635 citations	25 h-index	37 g-index
68 ext. papers	1,730 ext. citations	4.2 avg, IF	4.33 L-index

#	Paper	IF	Citations
68	High T(g) bio-based aliphatic polyesters from bicyclic D-mannitol. *Biomacromolecules*, **2013**, 14, 781-93	6.9	92
67	Bio-Based Aromatic Polyesters from a Novel Bicyclic Diol Derived from d-Mannitol. *Macromolecules*, **2012**, 45, 8257-8266	5.5	92
66	Carbohydrate-based polyesters made from bicyclic acetalized galactaric acid. *Biomacromolecules*, **2011**, 12, 2642-52	6.9	92
65	Synthesis, characterization, and properties of poly(ethylene terephthalate)/poly(1,4-butylene succinate) block copolymers. *Polymer*, **2003**, 44, 1321-1330	3.9	73
64	PET copolyesters made from a D-mannitol-derived bicyclic diol. *Polymer Chemistry*, **2013**, 4, 282-289	4.9	56
63	Polyterephthalates made from Ethylene glycol, 1,4-cyclohexanedimethanol, and isosorbide. *Journal of Polymer Science Part A*, **2011**, 49, 2252-2260	2.5	53
62	Bio-based PBT copolyesters derived from D-glucose: influence of composition on properties. *Polymer Chemistry*, **2014**, 5, 3190-3202	4.9	48
61	Copolyesters made from 1,4-butanediol, sebacic acid, and D-glucose by melt and enzymatic polycondensation. *Biomacromolecules*, **2015**, 16, 868-79	6.9	48
60	Degradable poly(ester amide)s based on l-tartaric acid. *Polymer*, **1997**, 38, 4935-4944	3.9	48
59	Bio-based poly(butylene terephthalate) copolyesters containing bicyclic diacetalized galactitol and galactaric acid: Influence of composition on properties. *Polymer*, **2012**, 53, 3432-3445	3.9	47
58	D-Glucose-derived PET copolyesters with enhanced Tg. *Polymer Chemistry*, **2013**, 4, 3524	4.9	46
57	Carbohydrate-based copolyesters made from bicyclic acetalized galactaric acid. *Journal of Polymer Science Part A*, **2012**, 50, 1591-1604	2.5	44
56	Carbohydrate-based polyurethanes: A comparative study of polymers made from isosorbide and 1,4-butanediol. *Journal of Applied Polymer Science*, **2012**, 123, 986-994	2.9	41
55	Synthesis and Characterization of Linear Polyamides Derived from l-Arabinitol and Xylitol. *Macromolecules*, **2004**, 37, 5550-5556	5.5	38
54	Bio-based aromatic copolyesters made from 1,6-hexanediol and bicyclic diacetalized D-glucitol. *Polymer Chemistry*, **2012**, 3, 2092	4.9	33
53	Poly(butylene terephthalate) Copolyesters Derived from l-Arabinitol and Xylitol. *Macromolecules*, **2006**, 39, 1410-1416	5.5	32
52	Biodegradable aromatic copolyesters made from bicyclic acetalized galactaric acid. *Journal of Polymer Science Part A*, **2012**, 50, 3393-3406	2.5	29

51	Linear polyurethanes derived from alditols and diisocyanates. *Journal of Polymer Science Part A*, **2007**, 45, 4109-4117	2.5	29
50	Poly(ethylene terephthalate) copolymers containing 1,4-cyclohexane dicarboxylate units. *European Polymer Journal*, **2005**, 41, 1493-1501	5.2	28
49	Poly(ethylene terephthalate) copolyesters derived from (2S,3S)-2,3-dimethoxy-1,4-butanediol. *Journal of Polymer Science Part A*, **2001**, 39, 3250-3262	2.5	27
48	Carbohydrate-based PBT copolyesters from a cyclic diol derived from naturally occurring tartaric acid: a comparative study regarding melt polycondensation and solid-state modification. *Green Chemistry*, **2014**, 16, 1789-1798	10	26
47	Bio-based poly(ethylene terephthalate) copolyesters made from cyclic monomers derived from tartaric acid. *Polymer*, **2014**, 55, 2294-2304	3.9	26
46	Comblike Alkyl Esters of Biosynthetic Poly(□-glutamic acid). 2. Supramolecular Structure and Thermal Transitions. *Macromolecules*, **2003**, 36, 7567-7576	5.5	26
45	Modification of properties of poly(butylene succinate) by copolymerization with tartaric acid-based monomers. *European Polymer Journal*, **2014**, 61, 263-273	5.2	25
44	Preparation and hydrolytic degradation of sulfonated poly(ethylene terephthalate) copolymers. *Polymer*, **2003**, 44, 7281-7289	3.9	25
43	Aromatic homo- and copolyesters from naturally occurring monosaccharides: PET and PEI analogs derived from L-arabinitol and xylitol. *Journal of Polymer Science Part A*, **2005**, 43, 6394-6410	2.5	25
42	Comb-like ionic complexes of cationic surfactants with bacterial poly(gamma-glutamic acid) of racemic composition. *Macromolecular Bioscience*, **2005**, 5, 30-8	5.5	23
41	Bio-based PBS copolyesters derived from a bicyclic D-glucitol. *RSC Advances*, **2015**, 5, 46395-46404	3.7	22
40	Aromatic polyesters from naturally occurring monosaccharides: Poly(ethylene terephthalate) and poly(ethylene isophthalate) analogs derived from D-mannitol and galactitol. *Journal of Polymer Science Part A*, **2005**, 43, 4570-4577	2.5	21
39	Synthesis and characterization of polyamides obtained from tartaric acid and l-lysine. *European Polymer Journal*, **2004**, 40, 2699-2708	5.2	19
38	Synthesis and Properties of Poly(d-mannaramide)s and Poly(galactaramide)s. *Macromolecules*, **2004**, 37, 2779-2783	5.5	19
37	Bio-based poly(hexamethylene terephthalate) copolyesters containing cyclic acetalized tartrate units. *Polymer*, **2013**, 54, 1573-1582	3.9	18
36	Poly(butylene succinate) Ionomers with Enhanced Hydrodegradability. *Polymers*, **2015**, 7, 1232-1247	4.5	18
35	Hydrolyzable aromatic copolyesters of p-dioxanone. *Biomacromolecules*, **2010**, 11, 2512-20	6.9	18
34	Polyesters analogous to PET and PBT based on O-benzyl ethers of xylitol and L-arabinitol. *Journal of Polymer Science Part A*, **2008**, 46, 5167-5179	2.5	18

33	Acylated and hydroxylated polyamides derived from l-tartaric acid. *Polymer*, **2005**, 46, 2854-2861	3.9	18
32	Stereocomplex Formation from Enantiomeric Polyamides Derived from Tartaric Acid. *Macromolecular Rapid Communications*, **2006**, 27, 1955-1961	4.8	16
31	Poly(ester amide)s derived from tartaric and succinic acids: Changes in structure and properties upon hydrolytic degradation. *Journal of Applied Polymer Science*, **2000**, 78, 486-494	2.9	16
30	Hydrolytic and enzymatic degradation of copoly(ester amide)s based on l-tartaric and succinic acids. *Polymer*, **2000**, 41, 6995-7002	3.9	16
29	Cationic poly(butylene succinate) copolyesters. *European Polymer Journal*, **2016**, 75, 329-342	5.2	15
28	Poly(ethylene terephthalate) terpolyesters containing 1,4-cyclohexanedimethanol and isosorbide. *High Performance Polymers*, **2012**, 24, 24-30	1.6	15
27	Poly(ester amide)s Derived froml-Malic Acid. *Macromolecules*, **2004**, 37, 2067-2075	5.5	15
26	Compared structure and morphology of nylon-12 and 10-polyurethane lamellar crystals. *Polymer*, **2011**, 52, 1515-1522	3.9	14
25	Sequence Analysis of Polyether-Based Thermoplastic Polyurethane Elastomers by 13C NMR. *Macromolecules*, **2010**, 43, 3990-3993	5.5	13
24	Butylene copolyesters based on aldaric and terephthalic acids. Synthesis and characterization. *Journal of Polymer Science Part A*, **2009**, 47, 1168-1177	2.5	13
23	Hairy-rod random copoly(β-l-aspartate)s containing alkyl and benzyl side groups. *Polymer*, **2003**, 44, 1-6	3.9	13
22	Comblike Ionic Complexes of Poly(γ-glutamic acid) and Alkanoylcholines Derived from Fatty Acids. *Macromolecules*, **2013**, 46, 1607-1617	5.5	11
21	Comb-like ionic complexes of hyaluronic acid with alkyltrimethylammonium surfactants. *Carbohydrate Polymers*, **2013**, 92, 691-6	10.3	11
20	Linear polyamides from L-malic acid and alkanediamines. *Journal of Polymer Science Part A*, **2004**, 42, 1566-1575	2.5	11
19	Poly(ethylene terephthalate-co-isophthalate) copolyesters obtained from ethylene terephthalate and isophthalate oligomers. *Journal of Applied Polymer Science*, **2010**, 115, 1823-1830	2.9	10
18	Styrene–substituted-styrene copolymerization using diphenylzinc–metallocene–methylaluminoxane systems. *Polymer International*, **2006**, 55, 910-915	3.3	10
17	Poly(alpha-alkyl gamma-glutamate)s of microbial origin. 2. On the microstructure and crystal structure of poly(alpha-ethyl gamma-glutamate)s. *Biomacromolecules*, **2002**, 3, 1078-86	6.9	10
16	Poly(ethylene isophthalate)s: effect of the tert-butyl substituent on structure and properties. *Polymer*, **2004**, 45, 5005-5012	3.9	9

15	Sulfonated poly(hexamethylene terephthalate) copolyesters: Enhanced thermal and mechanical properties. *Journal of Applied Polymer Science*, **2013**, 129, 3527-3535	2.9	8
14	Comb-like ionic complexes of pectinic and alginic acids with alkyltrimethylammonium surfactants. *Carbohydrate Polymers*, **2011**, 86, 484-490	10.3	8
13	Poly(butylene succinate) ionomers and their use as compatibilizers in nanocomposites. *Polymer Composites*, **2016**, 37, 2603-2610	3	8
12	Biodegradable Copolyesters of Poly(hexamethylene terephthalate) Containing Bicyclic 2,4:3,5-Di-O-methylene-d-Glucarate Units. *Macromolecular Chemistry and Physics*, **2014**, 215, 2048-2059	2.6	7
11	Complexes of polyglutamic acid and long-chain alkanoylcholines: nanoparticle formation and drug release. *International Journal of Biological Macromolecules*, **2014**, 66, 346-53	7.9	6
10	Styrene/(substituted styrene) copolymerization by Ph2Zn metallocene MAO systems: Synthesis and characterization of poly(styrene-co-p-hydroxystyrene) copolymers. *Polymer*, **2007**, 48, 4646-4652	3.9	6
9	Poly(ethylene terephthalate) terpolyesters containing isophthalic and 5-tert-butylisophthalic units. *Journal of Polymer Science Part A*, **2003**, 41, 124-134	2.5	6
8	Thermal behavior of long-chain alkanoylcholine soaps. *RSC Advances*, **2014**, 4, 10738-10750	3.7	5
7	Nanocomposites of comb-like ionic complexes of bacterial poly(glutamic acid) with nanoclays. *European Polymer Journal*, **2012**, 48, 1838-1845	5.2	5
6	The structure of poly(glutamic acid)/nanoclay hybrids compatibilized by alkylammonium surfactants. *European Polymer Journal*, **2013**, 49, 2596-2609	5.2	3
5	Ionic Complexes of Polyacids and Cationic Surfactants. *Macromolecular Symposia*, **2010**, 296, 265-271	0.8	3
4	Crystallization studies on linear aliphatic polyamides derived from naturally occurring carbohydrates. *Journal of Applied Polymer Science*, **2010**, 116, NA-NA	2.9	3
3	Ionic Complexes of Biotechnological Polyacids with Cationic Surfactants. *Macromolecular Symposia*, **2008**, 273, 85-94	0.8	2
2	Crystallization and crystal structure of poly(ester amide)s derived from L-tartaric acid. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 116-125	2.6	2
1	Comblike Complexes of Poly(aspartic acid) and Alkyltrimethylamonium Cationic Surfactants. *Macromolecular Symposia*, **2006**, 245-246, 266-275	0.8	2