Jale Hacaloglu

List of Publications by Year in descending order

91 papers	1,608 citations	279798 23 h-index	361022 35 g-index
93 all docs	93 docs citations	93 times ranked	1552 citing authors

#	Article	IF	Citations
1	Functional Electrospun Polystyrene Nanofibers Incorporating Î±-, Î²-, and Î³-Cyclodextrins: Comparison of Molecular Filter Performance. ACS Nano, 2010, 4, 5121-5130.	14.6	137
2	Electrospun polystyrene fibers containing high temperature stable volatile fragrance/flavor facilitated by cyclodextrin inclusion complexes. Reactive and Functional Polymers, 2009, 69, 145-150.	4.1	79
3	Electrospinning of functional poly(methyl methacrylate) nanofibers containing cyclodextrin-menthol inclusion complexes. Nanotechnology, 2009, 20, 125703.	2.6	77
4	Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment. Journal of Membrane Science, 2010, 365, 409-417.	8.2	75
5	Thermal degradation mechanisms of aluminium phosphinate, melamine polyphosphate and zinc borate in poly(methyl methacrylate). Polymer Degradation and Stability, 2011, 96, 1780-1787.	5.8	53
6	Reorganization and improvement of bulk polymers by processing with their cyclodextrin inclusion compounds. Polymer, 2005, 46, 4762-4775.	3.8	50
7	Thermal decomposition of glycidyl azide polymer by direct insertion probe mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2002, 63, 327-338.	5.5	40
8	The formation and characterization of cyclodextrin functionalized polystyrene nanofibers produced by electrospinning. Nanotechnology, 2009, 20, 125605.	2.6	40
9	Investigation of thermal degradation characteristics of polyamide-6 containing melamine or melamine cyanurate via direct pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2012, 98, 221-230.	5.5	39
10	Thermal degradation of polycarbonate, poly(vinyl acetate) and their blends. Polymer Degradation and Stability, 2006, 91, 2960-2967.	5.8	37
11	Pyrolysis mass spectrometry analysis of poly(vinyl acetate), poly(methyl methacrylate) and their blend coalesced from inclusion compounds formed with Î³-cyclodextrin. Polymer Degradation and Stability, 2006, 91, 1-11.	5.8	35
12	Spectroscopic investigation of oxidation of p-toluene sulfonic acid doped polypyrrole. Synthetic Metals, 2001, 123, 335-342.	3.9	33
13	The Solid Channel Structure Inclusion Complex Formed Between Guest Styrene and Host Î³-Cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 55, 109-121.	1.6	33
14	Polylactide/organically modified montmorillonite composites; effects of organic modifier on thermal characteristics. Polymer Degradation and Stability, 2016, 134, 87-96.	5.8	31
15	The use of pyrolysis mass spectrometry to investigate polymerization and degradation processes of methyl amine-based benzoxazine. Polymer Testing, 2010, 29, 520-526.	4.8	30
16	Investigation of polymerization of benzoxazines and thermal degradation characteristics of polybenzoxazines via direct pyrolysis mass spectrometry. Polymer International, 2012, 61, 1532-1541.	3.1	30
17	Intimate blending of binary polymer systems from their common cyclodextrin inclusion compounds. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2578-2593.	2.1	29
18	Thermal degradation of polysiloxane and polyetherester containing benzoxazine moieties in the main chain. Journal of Analytical and Applied Pyrolysis, 2011, 90, 155-163.	5.5	29

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19	Thermal degradation of organophosphorus flame-retardant poly(methyl methacrylate) nanocomposites containing nanoclay and carbon nanotubes. Polymer Degradation and Stability, 2012, 97, 273-280.	5.8	29
20	Characterizations of PLA-PEG blends involving organically modified montmorillonite. Journal of Analytical and Applied Pyrolysis, 2017, 127, 343-349.	5.5	27
21	Polymerisation and degradation of an aromatic amine-based naphthoxazine. Polymer Degradation and Stability, 2008, 93, 2096-2103.	5.8	26
22	Effects of nanoparticles on thermal degradation of polylactide/aluminium diethylphosphinate composites. Journal of Analytical and Applied Pyrolysis, 2016, 118, 115-122.	5.5	26
23	Characterization of electrochemically synthesized p-toluene sulfonic acid doped polypyrrole by direct insertion probe pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2002, 64, 1-13.	5.5	24
24	Thermal degradation of poly(isobornyl acrylate) and its copolymer with poly(methyl methacrylate) via pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2013, 100, 17-25.	5.5	22
25	Thermal degradation characteristics of polysulfones with benzoxazine end groups. Journal of Analytical and Applied Pyrolysis, 2012, 94, 146-152.	5.5	20
26	Pyrolysis of of poly(methy methacrylate) copolymers. Journal of Analytical and Applied Pyrolysis, 2015, 113, 529-538.	5.5	20
27	Thermal degradation of poly(vinylpyridine)s. Polymer Degradation and Stability, 2009, 94, 738-743.	5.8	19
28	A Conducting Composite of Polythiophene: Synthesis and Characterization. Polymer International, 1996, 41, 237-244.	3.1	18
29	Thermal degradation of polylactide/aluminium diethylphosphinate. Journal of Analytical and Applied Pyrolysis, 2014, 110, 155-162.	5.5	17
30	Pyrolysis mass spectrometric analysis of styreneâ€“isopreneâ€“styrene copolymer. European Polymer Journal, 1999, 35, 939-944.	5.4	16
31	Thermal degradation of poly(propylene oxide) and polyepichlorohydrin by direct pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2002, 64, 379-393.	5.5	16
32	Direct pyrolysis mass spectrometry analysis of fresh and aged-doped polythiophenes. Polymer International, 2004, 53, 2162-2168.	3.1	15
33	Pyrolysis mass spectrometry analysis of polycarbonate/poly(methyl methacrylate)/poly(vinyl acetate) ternary blends. Polymer Degradation and Stability, 2007, 92, 32-43.	5.8	15
34	Thermal degradation of poly(p-phenylene-graft-É›-caprolactone) copolymer. Polymer Degradation and Stability, 2007, 92, 838-848.	5.8	15
35	Characterization of Î²â€cyclodextrin modified SiO₂. Surface and Interface Analysis, 2011, 43, 884-892.	1.8	15
36	Synthesis, characterization, and thermal properties of alkylâ€functional naphthoxazines. Journal of Applied Polymer Science, 2013, 127, 3114-3123.	2.6	15

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37	Analysis of polymers using evolved-gas and direct-pyrolysis techniques. Analyst, The, 1994, 119, 693.	3.5	14
38	Characterization of polypyrrole/polytetrahydrofuran graft copolymers by direct pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2002, 64, 363-378.	5.5	14
39	Thermal degradation processes of poly(carbonate) and poly(methyl methacrylate) in blends coalesced either from their common inclusion compound formed with Î³-cyclodextrin or precipitated from their common solution. Polymer Degradation and Stability, 2006, 91, 2471-2481.	5.8	14
40	Pyrolysis of polyphenylenes with PCL or/and PSt side chains. Journal of Analytical and Applied Pyrolysis, 2007, 80, 453-459.	5.5	14
41	Thermal degradation of polylactide and its electrospun fiber. Fibers and Polymers, 2016, 17, 66-73.	2.1	13
42	Poly(methyl methacrylate) organoclay composites; interactions of organic modifier with the polymer effecting thermal degradation behavior. European Polymer Journal, 2017, 95, 474-481.	5.4	13
43	Effects of curing on structure and thermal characteristics of polybenzoxazine based on p-nitroaniline. Polymer Degradation and Stability, 2016, 129, 363-373.	5.8	12
44	Pyrolysis Mass Spectrometry Analysis of BF4â^'Doped Polythiophene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 713-725.	2.2	11
45	Thermal decomposition of polystyrene-b-poly(2-vinylpyridine) coordinated to co nanoparticles. Polymer Degradation and Stability, 2009, 94, 2023-2027.	5.8	11
46	PYROLYSIS OF BF4- DOPED POLYPYRROLE BY DIRECT INSERTION PROBE PYROLYSIS MASS SPECTROMETRY. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1141-1150.	2.2	10
47	Effects of aromatic diboronic acid on thermal charateristics of polybenzoxazines based on phenol and aniline. European Polymer Journal, 2018, 108, 182-190.	5.4	10
48	A rapid pyrolysis mass spectrometry technique for the study of polymers. Rapid Communications in Mass Spectrometry, 1998, 12, 1793-1795.	1.5	9
49	Structural and thermal characterization of PTSA doped polypyrroleâ€“polytetrahydrofuran graft copolymer. Synthetic Metals, 2004, 140, 69-78.	3.9	9
50	Pyrolysis of poly(phenylene vinylene)s with polycaprolactone side chains. Polymer Degradation and Stability, 2008, 93, 904-909.	5.8	9
51	Thermal degradation of Polylactide/Poly(ethylene glycol) fibers and composite fibers involving organoclay. Journal of Analytical and Applied Pyrolysis, 2018, 129, 181-188.	5.5	9
52	THE EFFECT OF TRIETHANOLAMINE ON THERMAL DECOMPOSITION OF GAP. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 759-768.	2.2	8
53	Pyrolysis Mass Spectrometry Analysis of Thiophene Capped Poly(Methyl Methacrylate) and Poly(Methylthienyl Methacrylate). Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 605-615.	2.2	8
54	Thermal Degradation Mechanisms of Polybenzoxazines. , 2011, , 287-305.		8

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55	Thermal degradation of poly(2-vinylpyridine) copolymers. Polymer Degradation and Stability, 2013, 98, 356-360.	5.8	8
56	Metal ion functional polybenzoxazine based on phenol and 2-aminopyridine. Polymer, 2014, 55, 3533-3542.	3.8	8
57	Characterization of polylactide/poly(ethylene glycol) blends via direct pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2016, 122, 315-322.	5.5	8
58	Investigation of the Effect of Dopant on Characteristics of Poly(3â€•methyl thiophene) via Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 259-263.	2.2	7
59	A pyrolysis mass spectrometry study of polythiophene copolymers. Polymer Degradation and Stability, 2007, 92, 822-828.	5.8	7
60	The characterization of polyaniline and polypyrrole composites by pyrolysis mass spectrometry. Journal of Applied Polymer Science, 2009, 113, 3130-3136.	2.6	7
61	Direct Insertion Mass Spectrometric Analysis of Thermal Degradation of Poly(2â€alkylâ€2â€oxazoline). Macromolecular Chemistry and Physics, 2012, 213, 945-951.	2.2	7
62	Thermal degradation of polystyrene composites. Part II. The effect of nanoclay. Journal of Analytical and Applied Pyrolysis, 2016, 120, 194-199.	5.5	7
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73	The effect of aromatic diboronic acid on characteristics of polybenzoxazine based on phenol and 4-aminomethylbenzoate. Journal of Polymer Research, 2018, 25, 1.	2.4	5
74	Synthesis and analysis of thermal characteristics of polybenzoxazine based on phenol and 3 â€Amino phenyl boronic acid. Journal of Polymer Science Part A, 2019, 57, 1711-1716.	2.3	5
75	Preparation and characterization of poly(lactic acid) composites involving aromatic diboronic acid and organically modified montmorillonite. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3117-3126.	3.6	5
76	Fluoride Substitution on Polypyrrole during Electrochemical Synthesis in the Presence of N(Bu)4BF4. Macromolecular Rapid Communications, 2001, 22, 199-201.	3.9	4
77	Characterization of Conducting Copolymer of Pyrrole via Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 201-204.	2.2	4
78	Direct Pyrolysis â€•Mass Spectrometry Analysis of Thermal Degradation of Thioâ€Clickâ€Modified Poly(2â€•oxazoline). Macromolecular Chemistry and Physics, 2014, 215, 148-152.	2.2	4
79	Preparation and thermal characterization of poly(2â€vinylpyridine) copolymers coordinated to Cr nanoparticles. Polymers for Advanced Technologies, 2015, 26, 555-560.	3.2	4
80	Characterization of the polymer of a dipyrrolyl monomer by pyrolysis mass spectrometry. Polymer International, 2004, 53, 1198-1204.	3.1	3
81	Investigation of Chlorinated Poly(Propylene Oxide) and Polyepichlorohydrin by Direct Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1399-1407.	2.2	3
82	Characterization of polymer/nanoclay composites via direct pyrolysis mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2018, 134, 395-404.	5.5	3
83	The effect of 3-hydroxyphenylboronic acid on thermal characteristics of polybenzoxazine based on phenol and 4-aminomethylbenzoate. Journal of Polymer Research, 2020, 27, 1.	2.4	3
84	Characterization of Conducting Copolymers of Succinic Acid Bisâ€(â€4â€pyrrolâ€1â€ylâ€phenyl) Ester and Thiophene via Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 277-289.	2.2	2
85	High temperature pyrolysis of poly(phenylene vinylene)s with poly(Îµ-caprolactone) or polystyrene side chains. Journal of Thermal Analysis and Calorimetry, 2009, 98, 527-532.	3.6	2
86	Determination of electron affinity of phenyl radical by dissociative electron attachment technique. Organic Mass Spectrometry, 1993, 28, 285-286.	1.3	1
87	Pyrolysis Studies to Investigate Effects of Polymerization Techniques on Structure and Thermal Behavior of Poly(1,2-Epoxy-4-epoxyethylcyclohexanes). Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1167-1181.	2.2	1
88	Characterization of Conducting Copolymer of Thiophene via Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1639-1653.	2.2	1
89	Direct pyrolysis mass spectrometry to investigate the effects of dopants on characteristics of polypyrrole and its copolymers. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1133-1138.	3.6	1
90	Direct pyrolysis mass spectrometry analyses of polyamideâ€6 containing melamine and boron compounds. Polymer Composites, 2013, 34, 1389-1395.	4.6	0

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91	Poly(methyl methacrylate) nanocomposites involving aromatic diboronic acid. Polymer Bulletin, 2019, 76, 6231-6243.	3.3	0