

# Filippo Samperi

## List of Publications by Year in descending order

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62  
papers

2,034  
citations

236925

25  
h-index

254184

43  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1706  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of synthetic polymers by MALDI-MS. <i>Progress in Polymer Science</i> , 2006, 31, 277-357.	24.7	395
2	Primary thermal degradation mechanisms of PET and PBT. <i>Polymer Degradation and Stability</i> , 1993, 42, 13-28.	5.8	171
3	Thermal degradation of poly(ethylene terephthalate) at the processing temperature. <i>Polymer Degradation and Stability</i> , 2004, 83, 3-10.	5.8	151
4	Application of size exclusion chromatography matrix-assisted laser desorption/ionization time-of-flight to the determination of molecular masses in polydisperse polymers. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 519-528.	1.5	97
5	Thermal degradation of poly(butylene terephthalate) at the processing temperature. <i>Polymer Degradation and Stability</i> , 2004, 83, 11-17.	5.8	97
6	End-Groups-Dependent MALDI Spectra of Polymer Mixtures. <i>Macromolecules</i> , 2002, 35, 3000-3007.	4.8	47
7	Chemical reactions which occur in the thermal treatment of polycarbonate/polyethyleneterephthalate blends, investigated by direct pyrolysis mass spectrometry. <i>Polymer Degradation and Stability</i> , 1991, 31, 291-326.	5.8	39
8	Molar Mass Distributions and Hydrodynamic Interactions in Random Copolyesters Investigated by Size Exclusion Chromatography/Matrix-Assisted Laser Desorption Ionization. <i>Macromolecules</i> , 1998, 31, 3839-3845.	4.8	39
9	Chemical reactions occurring in the thermal treatment of polymer blends investigated by direct pyrolysis mass spectrometry: Polycarbonate/polybutyleneterephthalate. <i>Journal of Polymer Science Part A</i> , 1993, 31, 13-25.	2.3	38
10	Further studies on the thermal decomposition processes in polycarbonates. <i>Polymer Degradation and Stability</i> , 1991, 31, 229-246.	5.8	36
11	Primary thermal degradation processes of poly(ether-sulfone) and poly(phenylene oxide) investigated by direct pyrolysis-mass spectrometry. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1225-1239.	2.2	35
12	Essential role of chain ends in the nylon-6/poly(ethylene terephthalate) exchange. <i>Journal of Polymer Science Part A</i> , 2003, 41, 2778-2793.	2.3	35
13	Synthesis and Spontaneous Polymerization of Oligo(ethylene glycol)-Conjugated Benzofulvene Macromonomers. A Polymer Brush Forming a Physical Hydrogel. <i>Macromolecules</i> , 2009, 42, 2368-2378.	4.8	35
14	Exchange reactions occurring through active chain ends: Melt mixing of nylon 6 and polycarbonate. <i>Journal of Polymer Science Part A</i> , 1994, 32, 15-31.	2.3	34
15	Exchange Reactions Occurring through Active Chain Ends. MALDI-TOF Characterization of Copolymers from Nylon 6,6 and Nylon 6,10. <i>Macromolecules</i> , 2003, 36, 1098-1107.	4.8	34
16	Thermal decomposition processes in polycarbonates. <i>Polymer Degradation and Stability</i> , 1989, 26, 285-304.	5.8	33
17	Thermal Oxidation Products of Nylon 6 Determined by MALDI-TOF Mass Spectrometry. <i>Macromolecular Rapid Communications</i> , 2001, 22, 524-529.	3.9	33
18	Essential Role of Chain Ends in the Ny6/PBT Exchange. A Combined NMR and MALDI Approach. <i>Macromolecules</i> , 2003, 36, 7143-7154.	4.8	32

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19	Primary thermal degradation processes of poly(ether/ketone) and poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (ket Macromolecular Chemistry and Physics, 1994, 195, 1241-1256.	2.2	29
20	Analysis of poly(bisphenol A carbonate) by size exclusion chromatography/matrix-assisted laser desorption/ionization. 1. End group and molar mass determination. , 1999, 13, 2260-2267.		29
21	Current Trends in Matrix-Assisted Laser Desorption/Ionization of Polymeric Materials. European Journal of Mass Spectrometry, 2005, 11, 1-14.	1.0	29
22	Thermal decomposition products of copoly(arylene ether sulfone)s characterized by direct pyrolysis mass spectrometry. Polymer Degradation and Stability, 2007, 92, 1304-1315.	5.8	29
23	Structural Characterization of Copolyamides Synthesized via the Facile Blending of Polyamides. Macromolecules, 2004, 37, 6449-6459.	4.8	28
24	On the Preparation and Characterization of Polyethylene/Polyamide Blends by Melt Processing in the Presence of an Ethylene/Acrylic Acid Copolymer and of New Phosphazene Compounds. Macromolecular Chemistry and Physics, 2006, 207, 1986-1997.	2.2	27
25	Hyaluronan-coated polybenzofulvene brushes as biomimetic materials. Polymer Chemistry, 2016, 7, 6529-6544.	3.9	27
26	Synthesis and characterization of charge-transporting $\pi$ -stacked polybenzofulvene derivatives. Journal of Materials Chemistry, 2012, 22, 9611.	6.7	26
27	Combined MALDI-TOF MS and NMR characterization of copoly(arylene ether sulphone)s. Polymer, 2006, 47, 1861-1874.	3.8	25
28	Aliphatic hydrocarbons in metasomatized gabbroic xenoliths from Hyblean diatremes (Sicily): Genesis in a serpentinite hydrothermal system. Chemical Geology, 2009, 258, 258-268.	3.3	25
29	Combining Spontaneous Polymerization and Click Reactions for the Synthesis of Polymer Brushes: A $\pi$ -Grafting Onto $\pi$ -Approach. Chemistry - A European Journal, 2013, 19, 9710-9721.	3.3	25
30	Primary thermal degradation processes occurring in poly(phenylenesulfide) investigated by direct pyrolysis- $\pi$ mass spectrometry. Journal of Polymer Science Part A, 1994, 32, 1807-1815.	2.3	24
31	Bithiophene-based polybenzofulvene derivatives with high stacking and hole mobility. Polymer Chemistry, 2015, 6, 7377-7388.	3.9	24
32	Structure-property relationships in densely grafted $\pi$ -stacked polymers. Journal of Polymer Science Part A, 2010, 48, 2446-2461.	2.3	23
33	MALDI-TOF characterisation of thermally generated gel from Nylon 66. Polymer Degradation and Stability, 2002, 78, 369-378.	5.8	22
34	Analysis of poly(bisphenol A carbonate) by size exclusion chromatography/matrix-assisted laser desorption/ionization. 2. Self-association due to phenol end groups. , 1999, 13, 2268-2277.		20
35	Characterization of copolyesteramides from reactive blending of PET and MXD6 in the molten state. Journal of Polymer Science Part A, 2010, 48, 5135-5155.	2.3	17
36	Recent Advances in MALDI Mass Spectrometry of Polymers. Macromolecular Symposia, 2001, 169, 101-112.	0.7	16

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37	Combined Techniques for the Characterization of Polyfluorene Copolymers and Correlation with their Optical Properties.. <i>Macromolecules</i> , 2012, 45, 1811-1824.	4.8	13
38	A novel hybrid linear-hyperbranched poly(butylene adipate) copolymer as an epoxy resin modifier with toughening effect. <i>Polymer International</i> , 2016, 65, 308-319.	3.1	13
39	Novel Therapeutic Agents for Bone Resorption. Part 1. Synthesis and Protonation Thermodynamics of Poly(amido-amine)s Containing Bis-phosphonate Residues. <i>Biomacromolecules</i> , 2006, 7, 3417-3427.	5.4	12
40	Synthesis and characterization of sulfonated copolyethersulfones. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3010-3023.	2.3	12
41	Combined techniques for the characterization of linear-hyperbranched hybrid poly(butylene adipate) copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3615-3630.	2.3	12
42	Segmented poly(styrene-co-vinylpyridine) as multivalent host for CdSe nanocrystal based nanocomposites. <i>European Polymer Journal</i> , 2014, 60, 222-234.	5.4	12
43	Synthesis and characterization of novel polyamides from new aromatic phosphonate diamine monomer. <i>European Polymer Journal</i> , 2008, 44, 2639-2651.	5.4	11
44	Reactions Occurring during the Melt Mixing of Nylon 6 and Oxazoline-Cyclophosphazene Units. <i>Macromolecules</i> , 2009, 42, 5579-5592.	4.8	11
45	Densely PEGylated Polybenzofulvene Brushes for Potential Applications in Drug Encapsulation. <i>Pharmaceutics</i> , 2018, 10, 234.	4.5	10
46	Full Characterization of a Multiblock Copolymer Based on Poly(2,6-dimethyl-1,4-phenylene oxide) and Poly(bisphenol-A carbonate). <i>Macromolecules</i> , 2006, 39, 9223-9233.	4.8	9
47	Thermal Degradation Processes of Aromatic Poly(Ether Sulfone) Random Copolymers Bearing Pendant Carboxyl Groups. <i>Polymers</i> , 2020, 12, 1810.	4.5	9
48	Amino terminated copoly(ethersulphone)s bearing biphenylenic units in the backbone: Synthesis and characterization. <i>Polymer</i> , 2010, 51, 2972-2983.	3.8	8
49	Reactive melt mixing of PC/PEN blend. Structural characterization of reaction products. <i>Polymer</i> , 2015, 74, 108-123.	3.8	8
50	Characterization of amphiphilic block-copolymers constituted of a low band gap rigid segment (PCPDTBT) and P4VP based coil block synthesized by two different strategies. <i>Polymer</i> , 2015, 80, 245-258.	3.8	8
51	Poly-histidine grafting leading to fishbone-like architectures. <i>RSC Advances</i> , 2018, 8, 8638-8656.	3.6	8
52	Role of 2-hydroxyethyl end group on the thermal degradation of poly(ethylene terephthalate) and reactive melt mixing of poly(ethylene terephthalate)/poly(ethylene naphthalate) blends. <i>Polymer Engineering and Science</i> , 2012, 52, 2498-2505.	3.1	7
53	ToF-SIMS investigation of the thermally induced processes at the surface of polyester based polymer blends. <i>Composites Science and Technology</i> , 2003, 63, 1213-1219.	7.8	6
54	Physicochemical Properties of A New PEGylated Polybenzofulvene Brush for Drug Encapsulation. <i>Pharmaceutics</i> , 2019, 11, 444.	4.5	6

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55	Synthesis and Characterization of Copoly(Ether Sulfone)s with Different Percentages of Diphenolic Acid Units. <i>Polymers</i> , 2020, 12, 1817.	4.5	6
56	Reversible Polymerization Techniques Leading to $\pi$ -Stacked Polymers. , 2014, , 51-149.		5
57	Effect on structural relaxation of the poly(methyl methacrylate) copolymers chain flexibility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 596-607.	2.1	4
58	UV-light-induced polymerization in the amorphous solid-state of a spontaneously non-polymerizing 3-phenylbenzofulvene monomer. <i>European Polymer Journal</i> , 2020, 137, 109923.	5.4	4
59	Synthesis and UV-light induced oligomerization of a benzofulvene-based neutral platinum(II) complex. <i>European Polymer Journal</i> , 2021, 156, 110597.	5.4	3
60	Spontaneous polymerization of benzofulvene derivatives bearing complexed or un-complexed pyridine rings. <i>European Polymer Journal</i> , 2022, 169, 111137.	5.4	3
61	Preparation of Block Copolymers with a Single Tg Based on Segments of Poly(oxy-2,6-dimethyl-1,4-phenylene) and Polycarbonate of Bisphenol A. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1492-1500.	2.2	2
62	Synthesis, Characterization, and Properties of New Phosphorus-Containing Epoxy Resins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 2189-2201.	1.6	1