Valentina Siracusa

List of Publications by Year in Descending Order

79 papers	3,636 citations	29 h-index	59 g-index
83 ext. papers	4,306 ext. citations	4.9 avg, IF	6.08 L-index

#	Paper	IF	Citations
79	Employing Cellulose Nanofiber-Based Hydrogels for Burn Dressing.. *Polymers*, **2022**, 14,	4.5	1
78	Cryo-Structuring of Polymeric Systems. Poly(Vinyl Alcohol)-Based Cryogels Loaded with the Poly(3-hydroxybutyrate) Microbeads and the Evaluation of Such Composites as the Delivery Vehicles for Simvastatin. *Polymers*, **2022**, 14, 2196	4.5	
77	The Use of Thermal Techniques in the Characterization of Bio-Sourced Polymers. *Materials*, **2021**, 14,	3.5	4
76	State-of-Art of Standard and Innovative Materials Used in Cranioplasty. *Polymers*, **2021**, 13,	4.5	7
75	Decontamination of Food Packages from SARS-CoV-2 RNA with a Cold Plasma-Assisted System. *Applied Sciences (Switzerland)*, **2021**, 11, 4177	2.6	11
74	Effect of Glycero-(9,10-trioxolane)-trialeate on the Physicochemical Properties of Non-Woven Polylactic Acid Fiber Materials. *Polymers*, **2021**, 13,	4.5	1
73	Poly(Alkylene 2,5-Thiophenedicarboxylate) Polyesters: A New Class of Bio-Based High-Performance Polymers for Sustainable Packaging. *Polymers*, **2021**, 13,	4.5	2
72	Poly(butylene 2,4-furanoate), an Added Member to the Class of Smart Furan-Based Polyesters for Sustainable Packaging: Structural Isomerism as a Key to Tune the Final Properties. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 11937-11949	8.3	5
71	Fully Biobased Superpolymers of 2,5-Furandicarboxylic Acid with Different Functional Properties: From Rigid to Flexible, High Performant Packaging Materials. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9558-9568	8.3	33
70	Gas Transport Phenomena and Polymer Dynamics in PHB/PLA Blend Films as Potential Packaging Materials. *Polymers*, **2020**, 12,	4.5	18
69	Life-Cycle Assessment in the Polymeric Sector: A Comprehensive Review of Application Experiences on the Italian Scale. *Polymers*, **2020**, 12,	4.5	27
68	Bio-Polyethylene (Bio-PE), Bio-Polypropylene (Bio-PP) and Bio-Poly(ethylene terephthalate) (Bio-PET): Recent Developments in Bio-Based Polymers Analogous to Petroleum-Derived Ones for Packaging and Engineering Applications. *Polymers*, **2020**, 12,	4.5	113
67	Evidence of a 2D-Ordered Structure in Biobased Poly(pentamethylene furanoate) Responsible for Its Outstanding Barrier and Mechanical Properties. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17863-17871	8.3	23
66	Characterization of Composite Edible Films Based on Pectin/Alginate/Whey Protein Concentrate. *Materials*, **2019**, 12,	3.5	53
65	Block Copolyesters Containing 2,5-Furan and -1,4-Cyclohexane Subunits with Outstanding Gas Barrier Properties. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	19
64	Microbial Degradation of Synthetic Biopolymers Waste. *Polymers*, **2019**, 11,	4.5	82
63	Characterization and properties of polyethersulfone/ modified cellulose nanocrystals nanocomposite membranes. *Polymer Testing*, **2019**, 76, 333-339	4.5	29

62	Socio-Economic Requirements as a Fundament of Innovation in Food Packaging. *Journal of Entrepreneurship, Management and Innovation*, **2019**, 15, 231-256	2	2
61	Biodegradation and ecotoxicological impact of cellulose nanocomposites in municipal solid waste composting. *International Journal of Biological Macromolecules*, **2018**, 111, 264-270	7.9	22
60	Poly(propylene 2,5-thiophenedicarboxylate) vs. Poly(propylene 2,5-furandicarboxylate): Two Examples of High Gas Barrier Bio-Based Polyesters. *Polymers*, **2018**, 10,	4.5	43
59	Poly(butylene 2,5-thiophenedicarboxylate): An Added Value to the Class of High Gas Barrier Biopolyesters. *Polymers*, **2018**, 10,	4.5	24
58	Barrier Properties of Poly(Propylene Cyclohexanedicarboxylate) Random Eco-Friendly Copolyesters. *Polymers*, **2018**, 10,	4.5	12
57	Tailoring poly(butylene 2,5-thiophenedicarboxylate) features by the introduction of adipic acid co-units: Biobased and biodegradable aliphatic/aromatic polyesters. *Polymer*, **2018**, 145, 11-20	3.9	17
56	Ordered structures of poly(butylene 2,5-thiophenedicarboxylate) and their impact on material functional properties. *European Polymer Journal*, **2018**, 106, 284-290	5.2	11
55	PLLA-PHB fiber membranes obtained by solvent-free electrospinning for short-time drug delivery. *Drug Delivery and Translational Research*, **2018**, 8, 291-302	6.2	37
54	Characterization of Active Edible Films based on Citral Essential Oil, Alginate and Pectin. *Materials*, **2018**, 11,	3.5	46
53	Novel Random Copolymers of Poly(butylene 1,4-cyclohexane dicarboxylate) with Outstanding Barrier Properties for Green and Sustainable Packaging: Content and Length of Aliphatic Side Chains as Efficient Tools to Tailor the Materials Final Performance. *Polymers*, **2018**, 10,	4.5	5
52	The potential roles of bio-economy in the transition to equitable, sustainable, post fossil-carbon societies: Findings from this virtual special issue. *Journal of Cleaner Production*, **2018**, 204, 471-488	10.3	61
51	Accountability and Police Violence: a Research on Accounts to Cope with Excessive Use of Force in Italy. *Journal of Police and Criminal Psychology*, **2017**, 32, 172-183	1.3	7
50	Correlation amongst gas barrier behaviour, temperature and thickness in BOPP films for food packaging usage: A lab-scale testing experience. *Polymer Testing*, **2017**, 59, 277-289	4.5	17
49	An attributional Life Cycle Assessment application experience to highlight environmental hotspots in the production of foamy polylactic acid trays for fresh-food packaging usage. *Journal of Cleaner Production*, **2017**, 150, 93-103	10.3	48
48	Gas Barrier and Thermal Behavior of Long Chain Aliphatic Polyesters after Stressed Treatments. *Polymer-Plastics Technology and Engineering*, **2017**, 56, 71-82		4
47	Gas transport and characterization of poly(3 hydroxybutyrate) films. *European Polymer Journal*, **2017**, 91, 149-161	5.2	20
46	Design of biobased PLLA triblock copolymers for sustainable food packaging: Thermo-mechanical properties, gas barrier ability and compostability. *European Polymer Journal*, **2017**, 95, 289-303	5.2	27
45	Performance of Poly(lactic acid) Surface Modified Films for Food Packaging Application. *Materials*, **2017**, 10,	3.5	14

44	How Stress Treatments Influence the Performance of Biodegradable Poly(Butylene Succinate)-Based Copolymers with Thioether Linkages for Food Packaging Applications. *Materials*, **2017**, 10,	3.5	7
43	Novel Random PBS-Based Copolymers Containing Aliphatic Side Chains for Sustainable Flexible Food Packaging. *Polymers*, **2017**, 9,	4.5	40
42	Poly(Neopentyl Glycol Furanoate): A Member of the Furan-Based Polyester Family with Smart Barrier Performances for Sustainable Food Packaging Applications. *Materials*, **2017**, 10,	3.5	41
41	Novel fully biobased poly(butylene 2,5-furanoate/diglycolate) copolymers containing ether linkages: Structure-property relationships. *European Polymer Journal*, **2016**, 81, 397-412	5.2	61
40	Gas permeability, mechanical behaviour and compostability of fully-aliphatic bio-based multiblock poly(ester urethane)s. *RSC Advances*, **2016**, 6, 55331-55342	3.7	24
39	Novel biodegradable aliphatic copolyesters based on poly(butylene succinate) containing thioether-linkages for sustainable food packaging applications. *Polymer Degradation and Stability*, **2016**, 132, 191-201	4.7	38
38	New fully bio-based PLLA triblock copoly(ester urethane)s as potential candidates for soft tissue engineering. *Polymer Degradation and Stability*, **2016**, 132, 169-180	4.7	20
37	Design of fully aliphatic multiblock poly(ester urethane)s displaying thermoplastic elastomeric properties. *Polymer*, **2016**, 83, 154-161	3.9	19
36	Agricultural and forest biomass for food, materials and energy: bio-economy as the cornerstone to cleaner production and more sustainable consumption patterns for accelerating the transition towards equitable, sustainable, post fossil-carbon societies. *Journal of Cleaner Production*, **2016**, 117, 4-6	10.3	47
35	Effect of molecular architecture and chemical structure on solid-state and barrier properties of heteroatom-containing aliphatic polyesters. *European Polymer Journal*, **2016**, 78, 314-325	5.2	15
34	Energy and environmental assessment of industrial hemp for building applications: A review. *Renewable and Sustainable Energy Reviews*, **2015**, 51, 29-42	16.2	119
33	Poly(butylene succinate) and poly(butylene succinate-co-adipate) for food packaging applications: Gas barrier properties after stressed treatments. *Polymer Degradation and Stability*, **2015**, 119, 35-45	4.7	99
32	Foamy polystyrene trays for fresh-meat packaging: Life-cycle inventory data collection and environmental impact assessment. *Food Research International*, **2015**, 76, 418-426	7	41
31	Polylactic acid trays for fresh-food packaging: A Carbon Footprint assessment. *Science of the Total Environment*, **2015**, 537, 385-98	10.2	65
30	Effect of different new packaging materials on biscuit quality during accelerated storage. *Journal of the Science of Food and Agriculture*, **2015**, 95, 1736-46	4.3	16
29	Biodegradable Long Chain Aliphatic Polyesters Containing Ether-Linkages: Synthesis, Solid-State, and Barrier Properties. *Industrial & Engineering Chemistry Research*, **2014**, 53, 10965-10973	3.9	39
28	Recycled-PET fibre based panels for building thermal insulation: environmental impact and improvement potential assessment for a greener production. *Science of the Total Environment*, **2014**, 493, 914-29	10.2	55
27	Biodegradable aliphatic copolyesters containing PEG-like sequences for sustainable food packaging applications. *Polymer Degradation and Stability*, **2014**, 105, 96-106	4.7	37

26	Environmental assessment of a multilayer polymer bag for food packaging and preservation: An LCA approach. *Food Research International*, **2014**, 62, 151-161	7	86
25	Kinetic study of the thermal and thermo-oxidative degradations of polylactide-modified films for food packaging. *Journal of Thermal Analysis and Calorimetry*, **2013**, 112, 1171-1177	4.1	43
24	Fully Aliphatic Copolyesters Based on Poly(butylene 1,4-cyclohexanedicarboxylate) with Promising Mechanical and Barrier Properties for Food Packaging Applications. *Industrial & Engineering Chemistry Research*, **2013**, 52, 12876-12886	3.9	30
23	Gas permeability and thermal behavior of polypropylene films used for packaging minimally processed fresh-cut potatoes: a case study. *Journal of Food Science*, **2012**, 77, E264-72	3.4	26
22	Food Packaging Permeability Behaviour: A Report. *International Journal of Polymer Science*, **2012**, 2012, 1-11	2.4	275
21	Poly(lactic acid)-modified films for food packaging application: Physical, mechanical, and barrier behavior. *Journal of Applied Polymer Science*, **2012**, 125, E390-E401	2.9	87
20	Life Cycle Assessment of multilayer polymer film used on food packaging field. *Procedia Food Science*, **2011**, 1, 235-239		13
19	MAP storage of shell hen eggs, Part 1: Effect on physico-chemical characteristics of the fresh product. *LWT - Food Science and Technology*, **2009**, 42, 758-762	5.4	15
18	Biodegradable polymers for food packaging: a review. *Trends in Food Science and Technology*, **2008**, 19, 634-643	15.3	1233
17	Novel ethero atoms containing polyesters based on 2,6-naphthalendicarboxylic acid: A comparative study with poly(butylene naphthalate). *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 1694-1703	2.6	17
16	Synthesis and thermal properties of randomly branched poly(butylene isophthalate) containing sodium sulfonate groups. *Journal of Applied Polymer Science*, **2006**, 99, 1374-1379	2.9	3
15	Cocrystallization phenomena in novel poly(diethylene terephthalate-co-thiodiethylene terephthalate) copolyesters. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 1562-1571	2.6	7
14	Sulphur-containing polymers: Synthesis and thermal properties of novel polyesters based on dithiotriethylene glycol. *European Polymer Journal*, **2006**, 42, 3374-3382	5.2	22
13	Poly(dithiotriethylene adipate): Melting behavior, crystallization kinetics and morphology. *European Polymer Journal*, **2005**, 41, 1909-1918	5.2	5
12	Sulfur-containing polymers: Effect of composition on melting behavior and crystallization kinetics of poly(butylene terephthalate). *Journal of Applied Polymer Science*, **2003**, 90, 2003-2009	2.9	6
11	Melting behavior and crystallization kinetics of sulfonated poly(butylene isophthalate). *Polymer Engineering and Science*, **2002**, 42, 1590-1599	2.3	11
10	Melting behavior, crystallization kinetics and morphology of random copolyesters of poly(2-hydroxyethoxybenzoate) with ε-caprolactone. *Polymer Engineering and Science*, **2002**, 42, 2137-2145	2.3	3
9	Melting behavior, crystallization kinetics, and crystal structure of poly(2-hydroxyethoxybenzoate). *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 1354-1362	2.6	6

8	Synthesis and thermal characterization of poly(butylene terephthalate-co-thiodiethylene terephthalate) copolyesters. *Polymer*, **2002**, 43, 4355-4363	3.9	11
7	Synthesis and Characterization of New Ortho-Acetyl or Ortho-bis- p -aminophenoxy Phosphonate Monomers. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2002**, 177, 2561-2569	1	13
6	Surface properties of methacrylic copolymers containing a perfluoropolyether structure. *Polymer*, **2001**, 42, 2299-2305	3.9	45
5	Poly(ether sulphone) copolymers with novel reactive chain-ends. *Polymer*, **2000**, 41, 2001-2008	3.9	4
4	Molecular mechanisms of resistance in Pseudomonas aeruginosa to fluoroquinolones. *International Journal of Antimicrobial Agents*, **2000**, 14, 151-6	14.3	5
3	High-resolution X-ray photoelectron spectroscopy of crystalline and amorphous poly(ethylene terephthalate): a study of biaxially oriented film, spin cast film and polymer melt. *Polymer*, **1996**, 37, 379-385	3.9	25
2	Bactericidal kinetics and postantibiotic effect of sparfloxacin against selected species of respiratory pathogens. *Journal of Chemotherapy*, **1995**, 7, 530-4	2.3	8
1	X-ray photoelectron spectroscopic study of poly[4,4?-isopropylidenebis(1,4-phenyleneoxyethylene) diacrylate] photocured in the presence of a fluorine containing monomer. *Macromolecular Rapid Communications*, **1995**, 16, 807-812	4.8	4