

# Valentina Sessini

## List of Publications by Year in descending order

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21  
papers

811  
citations

687335

13  
h-index

794568

19  
g-index

22  
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22  
docs citations

22  
times ranked

970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of biodegradable blends based on PLA and PCL: From morphological, thermal and mechanical studies to shape memory behavior. <i>Polymer Degradation and Stability</i> , 2016, 132, 97-108.	5.8	222
2	Processing of edible films based on nanoreinforced gelatinized starch. <i>Polymer Degradation and Stability</i> , 2016, 132, 157-168.	5.8	88
3	Effect of the addition of polyester-grafted-cellulose nanocrystals on the shape memory properties of biodegradable PLA/PCL nanocomposites. <i>Polymer Degradation and Stability</i> , 2018, 152, 126-138.	5.8	81
4	Thermally-activated shape memory effect on biodegradable nanocomposites based on PLA/PCL blend reinforced with hydroxyapatite. <i>Polymer Degradation and Stability</i> , 2018, 151, 36-51.	5.8	62
5	Humidity-activated shape memory effect on plasticized starch-based biomaterials. <i>Carbohydrate Polymers</i> , 2018, 179, 93-99.	10.2	58
6	Biodegradable poly(ester-urethane) incorporated with catechin with shape memory and antioxidant activity for food packaging. <i>European Polymer Journal</i> , 2017, 94, 111-124.	5.4	49
7	Thermal and composting degradation of EVA/Thermoplastic starch blends and their nanocomposites. <i>Polymer Degradation and Stability</i> , 2019, 159, 184-198.	5.8	48
8	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19197-19201.	8.0	40
9	Bio-based polyether from limonene oxide catalytic ROP as green polymeric plasticizer for PLA. <i>Polymer</i> , 2020, 210, 123003.	3.8	27
10	Mechanical properties of l-lysine based segmented polyurethane vascular grafts and their shape memory potential. <i>Materials Science and Engineering C</i> , 2019, 102, 887-895.	7.3	22
11	Melt-processing of bionanocomposites based on ethylene-co-vinyl acetate and starch nanocrystals. <i>Carbohydrate Polymers</i> , 2019, 208, 382-390.	10.2	20
12	Humidity-Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700388.	2.2	19
13	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. <i>Nanocomposites</i> , 2018, 4, 19-35.	4.2	14
14	Sustainable pathway towards large scale melt processing of the new generation of renewable cellulose-polyamide composites. <i>RSC Advances</i> , 2021, 11, 637-656.	3.6	14
15	Solvent-Free Design of Biobased Non-isocyanate Polyurethanes with Ferroelectric Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14946-14958.	6.7	11
16	Functional properties of photo-crosslinkable biodegradable polyurethane nanocomposites. <i>Polymer Degradation and Stability</i> , 2020, 178, 109204.	5.8	10
17	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	8
18	Wet Feeding Approach for Cellulosic Materials/PCL Biocomposites. <i>ACS Symposium Series</i> , 2018, , 209-226.	0.5	6

#	ARTICLE	IF	CITATIONS
19	Polymerization of terpenes and terpenoids using metal catalysts. <i>Advances in Organometallic Chemistry</i> , 2021, , 55-93.	1.0	5
20	Smart Nanocellulose Composites With Shape-Memory Behavior. , 2016, , 277-312.		3
21	Nanocomposites based on ethylene vinyl acetate reinforced with different types of nanoparticles: potential applications. , 2021, , 357-377.		0