Domenico Sagnelli

List of Publications by Year
in descending order

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18 papers	586 citations	758635 12 h-index	794141 19 g-index
19 all docs	19 docs citations	19 times ranked	859 citing authors

#	Article	IF	Citations
1	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. Nature Communications, 2018, 9, 4630.	5.8	124
2	Hydrolysed pea proteins mitigate inÂvitro wheat starch digestibility. Food Hydrocolloids, 2018, 79, 117-126.	5.6	79
3	Plant-crafted starches for bioplastics production. Carbohydrate Polymers, 2016, 152, 398-408.	5.1	64
4	Synergistic amylomaltase and branching enzyme catalysis to suppress cassava starch digestibility. Carbohydrate Polymers, 2015, 132, 409-418.	5.1	44
5	Amylose/cellulose nanofiber composites for all-natural, fully biodegradable and flexible bioplastics. Carbohydrate Polymers, 2021, 253, 117277.	5.1	43
6	Cross-Linked Amylose Bio-Plastic: A Transgenic-Based Compostable Plastic Alternative. International Journal of Molecular Sciences, 2017, 18, 2075.	1.8	36
7	Structure of branching enzyme- and amylomaltase modified starch produced from well-defined amylose to amylopectin substrates. Carbohydrate Polymers, 2016, 152, 51-61.	5.1	34
8	All-natural bio-plastics using starch-betaglucan composites. Carbohydrate Polymers, 2017, 172, 237-245.	5.1	31
9	The future of starch bioengineering: GM microorganisms or GM plants?. Frontiers in Plant Science, 2015, 6, 247.	1.7	30
10	Combination of amylase and transferase catalysis to improve IMO compositions and productivity. LWT - Food Science and Technology, 2017, 79, 479-486.	2.5	23
11	Low glycaemic index foods from wild barley and amylose-only barley lines. Journal of Functional Foods, 2018, 40, 408-416.	1.6	23
12	Starch/Poly (Glycerol-Adipate) Nanocomposite Film as Novel Biocompatible Materials. Coatings, 2019, 9, 482.	1.2	13
13	Functionalisable Epoxy-rich Electrospun Fibres Based on Renewable Terpene for Multi-Purpose Applications. Polymers, 2021, 13, 1804.	2.0	12
14	Starch/Poly(glycerol-adipate) Nanocomposites: A Novel Oral Drug Delivery Device. Coatings, 2020, 10, 125.	1.2	9
15	LSPR immuno-sensing based on iso-Y nanopillars for highly sensitive and specific imidacloprid detection. Journal of Materials Chemistry B, 2021, 9, 9153-9161.	2.9	9
16	Green enzymatic synthesis and processing of poly (cis-9,10-epoxy-18-hydroxyoctadecanoic acid) in supercritical carbon dioxide (scCO2). European Polymer Journal, 2021, 161, 110827.	2.6	5
17	Expression of starch-binding factor CBM20 in barley plastids controls the number of starch granules and the level of CO2 fixation. Journal of Experimental Botany, 2020, 71, 234-246.	2.4	3
18	Photo-Responsivity Improvement of Photo-Mobile Polymers Actuators Based on a Novel LCs/Azobenzene Copolymer and ZnO Nanoparticles Network. Nanomaterials, 2021, 11, 3320.	1.9	3