

# Domenico Sagnelli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9555144/publications.pdf>

Version: 2024-02-01

18  
papers

586  
citations

759233

12  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

859  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Amylose/cellulose nanofiber composites for all-natural, fully biodegradable and flexible bioplastics. Carbohydrate Polymers, 2021, 253, 117277.   | 10.2 | 43        |
| 2  | Functionalisable Epoxy-rich Electrospun Fibres Based on Renewable Terpene for Multi-Purpose Applications. Polymers, 2021, 13, 1804.   | 4.5  | 12        |
| 3  | LSPR immuno-sensing based on iso-Y nanopillars for highly sensitive and specific imidacloprid detection. Journal of Materials Chemistry B, 2021, 9, 9153-9161.                                    | 5.8  | 9         |
| 4  | Green enzymatic synthesis and processing of poly (cis-9,10-epoxy-18-hydroxyoctadecanoic acid) in supercritical carbon dioxide (scCO <sub>2</sub> ). European Polymer Journal, 2021, 161, 110827.  | 5.4  | 5         |
| 5  | Photo-Responsivity Improvement of Photo-Mobile Polymers Actuators Based on a Novel LCs/Azobenzene Copolymer and ZnO Nanoparticles Network. Nanomaterials, 2021, 11, 3320.                         | 4.1  | 3         |
| 6  | Expression of starch-binding factor CBM20 in barley plastids controls the number of starch granules and the level of CO <sub>2</sub> fixation. Journal of Experimental Botany, 2020, 71, 234-246. | 4.8  | 3         |
| 7  | Starch/Poly(glycerol-adipate) Nanocomposites: A Novel Oral Drug Delivery Device. Coatings, 2020, 10, 125.   | 2.6  | 9         |
| 8  | Starch/Poly (Glycerol-Adipate) Nanocomposite Film as Novel Biocompatible Materials. Coatings, 2019, 9, 482.   | 2.6  | 13        |
| 9  | Hydrolysed pea proteins mitigate inÂvitro wheat starch digestibility. Food Hydrocolloids, 2018, 79, 117-126.  | 10.7 | 79        |
| 10 | Low glycaemic index foods from wild barley and amylose-only barley lines. Journal of Functional Foods, 2018, 40, 408-416.   | 3.4  | 23        |
| 11 | A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. Nature Communications, 2018, 9, 4630.  | 12.8 | 124       |
| 12 | Combination of amylase and transferase catalysis to improve IMO compositions and productivity. LWT - Food Science and Technology, 2017, 79, 479-486.  | 5.2  | 23        |
| 13 | All-natural bio-plastics using starch-betaglucon composites. Carbohydrate Polymers, 2017, 172, 237-245.   | 10.2 | 31        |
| 14 | Cross-Linked Amylose Bio-Plastic: A Transgenic-Based Compostable Plastic Alternative. International Journal of Molecular Sciences, 2017, 18, 2075.  | 4.1  | 36        |
| 15 | Plant-crafted starches for bioplastics production. Carbohydrate Polymers, 2016, 152, 398-408.   | 10.2 | 64        |
| 16 | Structure of branching enzyme- and amylomaltase modified starch produced from well-defined amylose to amylopectin substrates. Carbohydrate Polymers, 2016, 152, 51-61.                            | 10.2 | 34        |
| 17 | The future of starch bioengineering: GM microorganisms or GM plants?. Frontiers in Plant Science, 2015, 6, 247.   | 3.6  | 30        |
| 18 | Synergistic amylomaltase and branching enzyme catalysis to suppress cassava starch digestibility. Carbohydrate Polymers, 2015, 132, 409-418.  | 10.2 | 44        |