

Silvia Barbi

List of Publications by Year in descending order

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21
papers

297
citations

840776

11
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888059

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22
docs citations

22
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Change Material Evolution in Thermal Energy Storage Systems for the Building Sector, with a Focus on Ground-Coupled Heat Pumps. <i>Polymers</i> , 2022, 14, 620.	4.5	9
2	From Food Processing Leftovers to Bioplastic: A Design of Experiments Approach in a Circular Economy Perspective. <i>Waste and Biomass Valorization</i> , 2021, 12, 5121-5130.	3.4	7
3	Effects of Different LED Light Recipes and NPK Fertilizers on Basil Cultivation for Automated and Integrated Horticulture Methods. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2497.	2.5	9
4	Phase change material-sand mixtures for distributed latent heat thermal energy storage: Interaction and performance analysis. <i>Renewable Energy</i> , 2021, 169, 1066-1076.	8.9	12
5	Effect of the Rearing Substrate on Total Protein and Amino Acid Composition in Black Soldier Fly. <i>Foods</i> , 2021, 10, 1773.	4.3	36
6	Mechanical and structural properties of environmental green composites based on functionalized bacterial cellulose. <i>Cellulose</i> , 2021, 28, 1431-1442.	4.9	15
7	Statistical Optimization of a Hyper Red, Deep Blue, and White LEDs Light Combination for Controlled Basil Horticulture. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9279.	2.5	3
8	Valorization of seasonal agri-food leftovers through insects. <i>Science of the Total Environment</i> , 2020, 709, 136209.	8.0	54
9	Preliminary Study on Sustainable NPK Slow-Release Fertilizers Based on Byproducts and Leftovers: A Design-of-Experiment Approach. <i>ACS Omega</i> , 2020, 5, 27154-27163.	3.5	13
10	Life Cycle Assessment of Chemical vs Enzymatic-Assisted Extraction of Proteins from Black Soldier Fly Prepupae for the Preparation of Biomaterials for Potential Agricultural Use. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14752-14764.	6.7	16
11	Bioplastic Film from Black Soldier Fly Prepupae Proteins Used as Mulch: Preliminary Results. <i>Agronomy</i> , 2020, 10, 933.	3.0	12
12	Design and Optimization of the Thermo-Mechanical Behavior in Glass Reinforced Polyamide 6 for Automotive Application. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 528-539.	0.4	0
13	Improved Heat Sink for Thermoelectric Energy Harvesting Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 803-809.	0.6	0
14	Chemical hardening of glazed porcelain tiles. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2853-2862.	3.8	5
15	Rational design and characterization of bioplastics from <i>Hermetia illucens</i> prepupae proteins. <i>Biopolymers</i> , 2019, 110, e23250.	2.4	29
16	Structural and optical properties of rare-earths doped barium bismuth borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 239-247.	3.1	26
17	Structural and optical properties of cerium oxide doped barium bismuth borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 183-188.	3.1	28
18	USING BLACK SOLDIER FLIES (HERMETIA ILLUCENS) TO BIOCONVERT WASTE FROM THE LIVESTOCK PRODUCTION CHAIN: A LIFE CYCLE ASSESSMENT CASE STUDY. <i>WIT Transactions on Ecology and the Environment</i> , 2018, , .	0.0	5

#	ARTICLE	IF	CITATIONS
19	Recycling of yttria-stabilized zirconia waste powders in glazes suitable for ceramic tiles. International Journal of Applied Ceramic Technology, 2017, 14, 1236-1247.	2.1	2
20	Failure analysis of glazed LAS glass-ceramic containing cerium oxide. Ceramics International, 2017, 43, 1472-1478.	4.8	13
21	Preparation and Characterization of LAS Glass Based Materials for Dental Applications. Key Engineering Materials, 0, 702, 28-31.	0.4	1