Elena Tamburini

List of Publications by Year
in descending order

51 papers	1,160 citations	361413 20 h-index	414414 32 g-index
52 all docs	52 docs citations	52 times ranked	1538 citing authors

#	Article	IF	Citations
1	Xylitol as a Hydrophilization Moiety for a Biocatalytically Synthesized Ibuprofen Prodrug. International Journal of Molecular Sciences, 2022, 23, 2026.	4.1	7
2	Biotransformation of Waste Bile Acids: A New Possible Sustainable Approach to Anti-Fungal Molecules for Crop Plant Bioprotection?. International Journal of Molecular Sciences, 2022, 23, 4152.	4.1	4
3	Trends and Opportunities of Bivalve Shellsâ€™ Waste Valorization in a Prospect of Circular Blue Bioeconomy. Resources, 2022, 11, 48.	3.5	21
4	Biocatalytic Approach for Direct Esterification of Ibuprofen with Sorbitol in Biphasic Media. International Journal of Molecular Sciences, 2021, 22, 3066.	4.1	8
5	Plastic (PET) vs bioplastic (PLA) or refillable aluminium bottles â€“ What is the most sustainable choice for drinking water? A life-cycle (LCA) analysis. Environmental Research, 2021, 196, 110974.	7.5	60
6	Bio-Delignification of Green Waste (GW) in Co-Digestion with the Organic Fraction of Municipal Solid Waste (OFMSW) to Enhance Biogas Production. Applied Sciences (Switzerland), 2021, 11, 6061.	2.5	7
7	Fermentation as a Strategy for Bio-Transforming Waste into Resources: Lactic Acid Production from Agri-Food Residues. Fermentation, 2021, 7, 3.	3.0	16
8	Glyceric Prodrug of Ursodeoxycholic Acid (UDCA): Novozym 435-Catalyzed Synthesis of UDCA-Monoglyceride. Molecules, 2021, 26, 5966.	3.8	6
9	Aspergillus oryzae Grown on Rice Hulls Used as an Additive for Pretreatment of Starch-Containing Wastewater from the Pulp and Paper Industry. Fermentation, 2021, 7, 317.	3.0	7
10	Life Cycle Assessment (LCA) Proves that Manila Clam Farming (Ruditapes Philippinarum) is a Fully Sustainable Aquaculture Practice and a Carbon Sink. Sustainability, 2020, 12, 5252.	3.2	24
11	Introducing Life Cycle Assessment in Costs and Benefits Analysis of Vegetation Management in Drainage Canals of Lowland Agricultural Landscapes. Water (Switzerland), 2020, 12, 2236.	2.7	2
12	Enzymatic Esterification as Potential Strategy to Enhance the Sorbic Acid Behavior as Food and Beverage Preservative. Fermentation, 2020, 6, 96.	3.0	13
13	Biogas from Agri-Food and Agricultural Waste Can Appreciate Agro-Ecosystem Services: The Case Study of Emilia Romagna Region. Sustainability, 2020, 12, 8392.	3.2	33
14	Is Bioenergy Truly Sustainable When Land-Use-Change (LUC) Emissions Are Accounted for? The Case-Study of Biogas from Agricultural Biomass in Emilia-Romagna Region, Italy. Sustainability, 2020, 12, 3260.	3.2	21
15	Sustainability of Mussel (Mytilus Galloprovincialis) Farming in the Po River Delta, Northern Italy, Based on a Life Cycle Assessment Approach. Sustainability, 2020, 12, 3814.	3.2	31
16	Life Cycle Assessment of Maize-Germ Oil Production and The Use of Bioenergy to Mitigate Environmental Impacts: A Gate-To-Gate Case Study. Resources, 2019, 8, 60.	3.5	14
17	Life Cycle Assessment of Oyster Farming in the Po Delta, Northern Italy. Resources, 2019, 8, 170.	3.5	17
18	Soil type and microclimatic conditions as drivers of urea transformation kinetics in maize plots. Catena, 2018, 166, 200-208.	5.0	19

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19	To mow or not to mow: reed biofilms as denitrification hotspots in drainage canals. Ecological Engineering, 2018, 113, 1-10.	3.6	28
20	Lignin Degradation Efficiency of Chemical Pre-Treatments on Banana Rachis Destined to Bioethanol Production. Biomolecules, 2018, 8, 141.	4.0	33
21	Simultaneous quantification of carbohydrates and metabolites in multicomponent fermentation broths by means of high-performance thin-layer chromatography. Journal of Planar Chromatography - Modern TLC, 2017, 30, 170-174.	1.2	2
22	Effects of Moisture and Particle Size on Quantitative Determination of Total Organic Carbon (TOC) in Soils Using Near-Infrared Spectroscopy. Sensors, 2017, 17, 2366.	3.8	19
23	Lignin Biodegradation in Pulp-and-Paper Mill Wastewater by Selected White Rot Fungi. Water (Switzerland), 2017, 9, 935.	2.7	41
24	Potential of Rhodobacter capsulatus Grown in Anaerobic-Light or Aerobic-Dark Conditions as Bioremediation Agent for Biological Wastewater Treatments. Water (Switzerland), 2017, 9, 108.	2.7	14
25	Quantification of Lycopene, Î²-Carotene, and Total Soluble Solids in Intact Red-Flesh Watermelon (Citrullus lanatus) Using On-Line Near-Infrared Spectroscopy. Sensors, 2017, 17, 746.	3.8	31
26	Potential of Near Infrared Spectroscopy for Classification of Different Delignificant Pre-Treatments on Banana Rachis. Journal of Analytical & Bioanalytical Techniques, 2016, 7, .	0.6	2
27	Quantitative Determination of Fluorine Content in Blends of Polylactide (PLA)â€“Talc Using Near Infrared Spectroscopy. Sensors, 2016, 16, 1216.	3.8	2
28	Valorization of Agri-Food Waste via Fermentation: Production of l-lactic Acid as a Building Block for the Synthesis of Biopolymers. Applied Sciences (Switzerland), 2016, 6, 379.	2.5	27
29	Quantitative Determination of Fusarium proliferatum Concentration in Intact Garlic Cloves Using Near-Infrared Spectroscopy. Sensors, 2016, 16, 1099.	3.8	8
30	Biotransformations of Bile Acids with Bacteria from Cayambe Slaughterhouse (Ecuador): Synthesis of Bendigoles. Chemistry and Biodiversity, 2016, 13, 969-975.	2.1	2
31	Separation and Quantitative Determination of Carbohydrates in Microbial Submerged Cultures Using Different Planar Chromatography Techniques (HPTLC, AMD, OPLC). Journal of Analytical & Bioanalytical Techniques, 2015, 6, .	0.6	2
32	Optimized Production of Xylitol from Xylose Using a Hyper-Acidophilic Candida tropicalis. Biomolecules, 2015, 5, 1979-1989.	4.0	43
33	Study on Microbial Deposition and Contamination onto Six Surfaces Commonly Used in Chemical and Microbiological Laboratories. International Journal of Environmental Research and Public Health, 2015, 12, 8295-8311.	2.6	8
34	Life Cycle Based Evaluation of Environmental and Economic Impacts of Agricultural Productions in the Mediterranean Area. Sustainability, 2015, 7, 2915-2935.	3.2	43
35	Development of FT-NIR Models for the Simultaneous Estimation of Chlorophyll and Nitrogen Content in Fresh Apple (Malus Domestica) Leaves. Sensors, 2015, 15, 2662-2679.	3.8	20
36	Monitoring Key Parameters in Bioprocesses Using Near-Infrared Technology. Sensors, 2014, 14, 18941-18959.	3.8	42

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37	Green electrochemical approach for delignification of wheat straw in second-generation bioethanol production. Energy and Environmental Science, 2011, 4, 551-557.	30.8	33
38	Fourier Transformâ€“Near Infrared Spectroscopy in-line Monitoring of the Enzymatic Hydrolysis of Starch in Rye: Water Mashes for First-Generation Bioethanol Production. Journal of Near Infrared Spectroscopy, 2011, 19, 181-190.	1.5	5
39	Chemical Characterization (GC/MS and NMR Fingerprinting) and Bioactivities of Southâ€African Pelargonium capitatum (L.) L'â€‰<scp>Her</scp>. (Geraniaceae) Essential Oil. Chemistry and Biodiversity, 2011, 8, 624-642.	2.1	27
40	Cosubstrate effect on xylose reductase and xylitol dehydrogenase activity levels, and its consequence on xylitol production by Candida tropicalis. Enzyme and Microbial Technology, 2010, 46, 352-359.	3.2	26
41	An HPTLC-AMD method for understanding the metabolic behavior of microorganisms in the presence of mixed carbon sources. The case ofBifidobacterium adolescentisMB 239. Journal of Planar Chromatography - Modern TLC, 2009, 22, 321-325.	1.2	6
42	New proposal for integrated production of sugar and biofuels from sugar beet. Clean Technologies and Environmental Policy, 2009, 11, 31-36.	4.1	4
43	Fermentation monitoring based on HPTLC-OPLC. The effect of a complex biological matrix on quantitative performance. Journal of Planar Chromatography - Modern TLC, 2009, 22, 9-14.	1.2	6
44	Kinetics and Metabolism of Bifidobacterium adolescentis MB 239 Growing on Glucose, Galactose, Lactose, and Galactooligosaccharides. Applied and Environmental Microbiology, 2007, 73, 3637-3644.	3.1	97
45	Substrate preference of Bifidobacterium adolescentis MB 239: compared growth on single and mixed carbohydrates. Applied Microbiology and Biotechnology, 2006, 73, 654-662.	3.6	53
46	Overview of the environmental problems in beet sugar processing: possible solutions. Journal of Cleaner Production, 2005, 13, 499-507.	9.3	73
47	New eco-friendly proposal for the crystallization of beet raw juice. Journal of Cleaner Production, 2005, 13, 1447-1460.	9.3	7
48	Separation of complex fructo-oligosaccharides (FOS) and inulin mixtures by HPTLC-AMD. Journal of Planar Chromatography - Modern TLC, 2005, 18, 23-27.	1.2	6
49	Assessment of In-Line Near-Infrared Spectroscopy for Continuous Monitoring of Fermentation Processes. Biotechnology Progress, 2003, 19, 1816-1821.	2.6	68
50	Near-Infrared Spectroscopy: A Tool for Monitoring Submerged Fermentation Processes Using an Immersion Optical-Fiber Probe. Applied Spectroscopy, 2003, 57, 132-138.	2.2	51
51	Detection of oligosaccharides in sugar products using planar chromatography. Food Chemistry, 2001, 74, 99-110.	8.2	20