

Matteo Francavilla

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,581
citations

394421

19
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	A mixture of phytosterols from <i>Dunaliella tertiolecta</i> affects proliferation of peripheral blood mononuclear cells and cytokine production in sheep. <i>Veterinary Immunology and Immunopathology</i> , 2012, 150, 27-35.	1.2	308
2	The Red Seaweed <i>Gracilaria gracilis</i> as a Multi Products Source. <i>Marine Drugs</i> , 2013, 11, 3754-3776.	4.6	182
3	Toward a functional integration of anaerobic digestion and pyrolysis for a sustainable resource management. Comparison between solid-digestate and its derived pyrochar as soil amendment. <i>Applied Energy</i> , 2016, 169, 652-662.	10.1	146
4	Phytosterols from <i>Dunaliella tertiolecta</i> and <i>Dunaliella salina</i> : A potentially novel industrial application. <i>Bioresource Technology</i> , 2010, 101, 4144-4150.	9.6	117
5	Efficient microwave-assisted production of furfural from C5 sugars in aqueous media catalysed by Brønsted acidic ionic liquids. <i>Catalysis Science and Technology</i> , 2012, 2, 1828.	4.1	87
6	Cascading microalgae biorefinery: Fast pyrolysis of <i>Dunaliella tertiolecta</i> lipid extracted-residue. <i>Algal Research</i> , 2015, 11, 184-193.	4.6	81
7	Efficient and simple reactive milling preparation of photocatalytically active porous ZnO nanostructures using biomass derived polysaccharides. <i>Green Chemistry</i> , 2014, 16, 2876-2885.	9.0	68
8	Extraction, Characterization and In Vivo Neuromodulatory Activity of Phytosterols from Microalga <i>Dunaliella Tertiolecta</i> . <i>Current Medicinal Chemistry</i> , 2012, 19, 3058-3067.	2.4	55
9	Tunable microwave-assisted aqueous conversion of seaweed-derived agarose for the selective production of 5-hydroxymethyl furfural/levulinic acid. <i>Green Chemistry</i> , 2016, 18, 5971-5977.	9.0	41
10	Bioremediation of aquaculture wastewater from <i>Mugil cephalus</i> (Linnaeus, 1758) with different microalgae species. <i>Chemistry and Ecology</i> , 2017, 33, 750-761.	1.6	32
11	Irrigation with Treated Municipal Wastewater on Artichoke Crop: Assessment of Soil and Yield Heavy Metal Content and Human Risk. <i>Water (Switzerland)</i> , 2018, 10, 255.	2.7	30
12	Effect of urban biowaste derived soluble substances on growth, photosynthesis and ornamental value of <i>Euphorbia x lomi</i> . <i>Scientia Horticulturae</i> , 2015, 197, 90-98.	3.6	28
13	Extruded versus solvent cast blends of poly(vinyl alcohol-co-ethylene) and biopolymers isolated from municipal biowaste. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	28
14	Combined effects of deficit irrigation and strobilurin application on gas exchange, yield and water use efficiency in tomato (<i>Solanum lycopersicum</i> L.). <i>Scientia Horticulturae</i> , 2018, 233, 149-158.	3.6	28
15	Hydrological Regime and Renewal Capacity of the Micro-tidal Lesina Lagoon, Italy. <i>Estuaries and Coasts</i> , 2014, 37, 79-93.	2.2	27
16	Natural porous agar materials from macroalgae. <i>Carbohydrate Polymers</i> , 2013, 92, 1555-1560.	10.2	26
17	Artichoke Biorefinery: From Food to Advanced Technological Applications. <i>Foods</i> , 2021, 10, 112.	4.3	21
18	Conceptual vision of bioenergy sector development in Mediterranean regions based on decentralized thermochemical systems. <i>Sustainable Energy Technologies and Assessments</i> , 2017, 23, 33-47.	2.7	21

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19	Microwave-induced low temperature pyrolysis of macroalgae for unprecedented hydrogen-enriched syngas production. <i>RSC Advances</i> , 2014, 4, 38144-38151.	3.6	20
20	Effect of biochar amendment on nitrate retention in a silty clay loam soil. <i>Italian Journal of Agronomy</i> , 2016, 11, 273-276.	1.0	19
21	Extracts from Microalga <i>Chlorella sorokiniana</i> Exert an Anti-Proliferative Effect and Modulate Cytokines in Sheep Peripheral Blood Mononuclear Cells. <i>Animals</i> , 2019, 9, 45.	2.3	19
22	<i>Chlorella sorokiniana</i> Extract Improves Short-Term Memory in Rats. <i>Molecules</i> , 2016, 21, 1311.	3.8	18
23	Waste cleaning waste: Ammonia abatement in bio-waste anaerobic digestion by soluble substances isolated from bio-waste compost. <i>Biochemical Engineering Journal</i> , 2016, 116, 75-84.	3.6	17
24	Integrated biochemical and chemical processing of municipal bio-waste to obtain bio based products for multiple uses. The case of soil remediation. <i>Journal of Cleaner Production</i> , 2020, 245, 119191.	9.3	17
25	Biowaste versus fossil sourced auxiliaries for plant cultivation: The Lantana case study. <i>Journal of Cleaner Production</i> , 2018, 185, 322-330.	9.3	16
26	Soil Amendment with Biochar Affects Water Drainage and Nutrient Losses by Leaching: Experimental Evidence under Field-Grown Conditions. <i>Agronomy</i> , 2019, 9, 758.	3.0	16
27	Sublingual AKBA Exerts Antidepressant Effects in the A β 2-Treated Mouse Model. <i>Biomolecules</i> , 2021, 11, 686.	4.0	14
28	Extruded Poly(ethylene-co-vinyl alcohol) Composite Films Containing Biopolymers Isolated from Municipal Biowaste. <i>ChemistrySelect</i> , 2016, 1, 2354-2365.	1.5	13
29	Biochemical and chemical technology for a virtuous bio-waste cycle to produce biogas without ammonia and speciality bio-based chemicals with reduced entrepreneurial risk. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2679-2687.	3.2	11
30	Hydrological Properties of a Clay Loam Soil as Affected by Biochar Application in a Pot Experiment. <i>Agronomy</i> , 2021, 11, 489.	3.0	11
31	Ozonization and reduction of β -methylene N-(ethoxycarbonyl)- β -amino phosphonic esters. <i>Tetrahedron Letters</i> , 2002, 43, 7913-7916.	1.4	9
32	Phytosterols from <i>Dunaliella tertiolecta</i> Reduce Cell Proliferation in Sheep Fed Flaxseed during Post Partum. <i>Marine Drugs</i> , 2017, 15, 216.	4.6	9
33	Biowaste-derived hydrolysates as plant disease suppressants for oilseed rape. <i>Journal of Cleaner Production</i> , 2018, 183, 335-342.	9.3	8
34	Inoculum pre-treatment affects the fermentative activity of hydrogen-producing communities in the presence of 5-hydroxymethylfurfural. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 493-504.	3.6	7
35	Effects of the Irrigation with Treated Wastewaters on the Proximate Composition, Mineral, and Polyphenolic Profile of the Globe Artichoke Heads [<i>Cynara cardunculus</i> (L.)]. <i>Agronomy</i> , 2020, 10, 53.	3.0	7
36	Bioactive Potential of Two Marine Picocyanobacteria Belonging to <i>Cyanobium</i> and <i>Synechococcus</i> Genera. <i>Microorganisms</i> , 2021, 9, 2048.	3.6	7

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37	Green extraction of bioactive compounds from wine lees and their bio-responses on immune modulation using in vitro sheep model. Journal of Dairy Science, 2022, 105, 4335-4353.	3.4	6
38	Environmental conditions in a lagoon and their possible effects on shellfish contamination by Giardia and Cryptosporidium. Aquaculture International, 2012, 20, 707-724.	2.2	5
39	Ozonization to Upgrade Wasteâ€Derived Soluble Ligninâ€Like Substances to Higher Value Products. ChemistrySelect, 2016, 1, 1613-1629.	1.5	4
40	Demineralisation of Municipal Biowaste Hydrolysates. ChemistrySelect, 2019, 4, 7551-7554.	1.5	2