

Francesco Meneguzzo

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,771
citations

230014

27
h-index

242451

47
g-index

151
all docs

151
docs citations

151
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole wheat bread enriched with silver fir (<i>Abies alba</i> Mill.) needles extract: technological and antioxidant properties. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3581-3589.	1.7	5
2	A Gluten-Free Biscuit Fortified with Lemon IntegroPectin. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
3	Micronized cellulose from citrus processing waste using water and electricity only. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 587-592.	3.6	7
4	Red Orange and Bitter Orange IntegroPectin: Structure and Main Functional Compounds. <i>Molecules</i> , 2022, 27, 3243.	1.7	2
5	Cross-linked natural IntegroPectin films from citrus biowaste with intrinsic antimicrobial activity. <i>Cellulose</i> , 2022, 29, 5779-5802.	2.4	11
6	Educating the managers of the bioeconomy. <i>Journal of Cleaner Production</i> , 2022, 366, 132851.	4.6	9
7	Agri-food and Forestry Sectors for Sustainable Development. <i>Sustainable Development Goals Series</i> , 2021, , .	0.2	4
8	Forest Ecosystem Services for Human Health. <i>Sustainable Development Goals Series</i> , 2021, , 33-53.	0.2	2
9	Sustainable Crop Protection and Farming. <i>Sustainable Development Goals Series</i> , 2021, , 55-65.	0.2	0
10	Sustainable Exploitation of Agro-Food Waste. <i>Sustainable Development Goals Series</i> , 2021, , 95-111.	0.2	0
11	Technological Sustainability: Efficient and Green Process Intensification. <i>Sustainable Development Goals Series</i> , 2021, , 9-19.	0.2	0
12	Sustainable and Affordable Technologies for Food Processing. <i>Sustainable Development Goals Series</i> , 2021, , 77-93.	0.2	0
13	Water Conservation and Resource Efficiency in Agriculture. <i>Sustainable Development Goals Series</i> , 2021, , 67-76.	0.2	0
14	Tannin: a new insight into a key product for the bioeconomy in forest regions. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 973-979.	1.9	9
15	New Neuroprotective Effect of Lemon IntegroPectin on Neuronal Cellular Model. <i>Antioxidants</i> , 2021, 10, 669.	2.2	22
16	Effects of Silver Fir (<i>Abies alba</i> Mill.) Needle Extract Produced via Hydrodynamic Cavitation on Seed Germination. <i>Plants</i> , 2021, 10, 1399.	1.6	4
17	Protective, Antioxidant and Antiproliferative Activity of Grapefruit IntegroPectin on SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9368.	1.8	10
18	Short-Term Effects of Forest Therapy on Mood States: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9509.	1.2	18

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19	CyteroCell: Valued Cellulose from Citrus Processing Waste. <i>Molecules</i> , 2021, 26, 596.	1.7	12
20	Hydrodynamic Cavitation in Beer and Other Beverage Processing. , 2021, , 369-394.		7
21	Forest Management for Climate Protection. <i>Sustainable Development Goals Series</i> , 2021, , 21-32.	0.2	0
22	Sustainability in a Highly Interconnected World. <i>Sustainable Development Goals Series</i> , 2021, , 1-7.	0.2	0
23	Volatile Compounds of Lemon and Grapefruit IntegroPectin. <i>Molecules</i> , 2021, 26, 51.	1.7	25
24	Flavonoids in Lemon and Grapefruit IntegroPectin**. <i>ChemistryOpen</i> , 2021, 10, 1055-1058.	0.9	14
25	A New Water-Soluble Bactericidal Agent for the Treatment of Infections Caused by Gram-Positive and Gram-Negative Bacterial Strains. <i>Antibiotics</i> , 2020, 9, 586.	1.5	41
26	Photocatalytic waterborne solâ€“gel coatings. , 2020, , 29-48.		1
27	Pectin: A Longâ€“Neglected Broadâ€“Spectrum Antibacterial. <i>ChemMedChem</i> , 2020, 15, 2228-2235.	1.6	53
28	Technical and Economic Feasibility of a Stable Yellow Natural Colorant Production from Waste Lemon Peel. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6812.	1.3	3
29	Comparative Study of the Restorative Effects of Forest and Urban Videos during COVID-19 Lockdown: Intrinsic and Benchmark Values. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8011.	1.2	46
30	Exceptional Antioxidant, Nonâ€“Cytotoxic Activity of Integral Lemon Pectin from Hydrodynamic Cavitation. <i>ChemistrySelect</i> , 2020, 5, 5066-5071.	0.7	26
31	Distributed Generation from Renewable Energy Sources: Ending Energy Poverty across the World. <i>Energy Technology</i> , 2020, 8, 2000126.	1.8	15
32	Superior Antibacterial Activity of Integral Lemon Pectin Extracted via Hydrodynamic Cavitation. <i>ChemistryOpen</i> , 2020, 9, 628-630.	0.9	39
33	The Case for a Lemon Bioeconomy. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000006.	2.7	12
34	Oil refining in Sicily: A critical perspective looking to the future. <i>Energy Science and Engineering</i> , 2020, 8, 566-573.	1.9	2
35	Review of Evidence Available on Hesperidin-Rich Products as Potential Tools against COVID-19 and Hydrodynamic Cavitation-Based Extraction as a Method of Increasing Their Production. <i>Processes</i> , 2020, 8, 549.	1.3	103
36	“Solar Energy. Now”. Anticipating and Fostering the Energy Transition at the Sun New Energy Conference. <i>General Chemistry</i> , 2020, 6, 190026-190026.	0.6	0

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37	Solar Energy and New Energy Technologies for Mediterranean Countries. <i>Global Challenges</i> , 2019, 3, 1900016.	1.8	14
38	Economic and Technical Feasibility of Betanin and Pectin Extraction from <i>Opuntia ficus-indica</i> Peel via Microwave-Assisted Hydrodiffusion. <i>ACS Omega</i> , 2019, 4, 12121-12124.	1.6	11
39	Lithium battery reusing and recycling: A circular economy insight. <i>Heliyon</i> , 2019, 5, e01866.	1.4	207
40	Real-Scale Integral Valorization of Waste Orange Peel via Hydrodynamic Cavitation. <i>Processes</i> , 2019, 7, 581.	1.3	68
41	Hydrodynamic Cavitation Technologies: A Pathway to More Sustainable, Healthier Beverages, and Food Supply Chains. , 2019, , 319-372.		6
42	The driving power of the electron. <i>JPhys Energy</i> , 2019, 1, 011001.	2.3	23
43	Vanillin: The Case for Greener Production Driven by Sustainability Megatrend. <i>ChemistryOpen</i> , 2019, 8, 660-667.	0.9	37
44	Digital Management of Solar Energy En Route to Energy Self-Sufficiency. <i>Global Challenges</i> , 2019, 3, 1800105.	1.8	14
45	Solar Green Roofs: A Unified Outlook 20Years On. <i>Energy Technology</i> , 2019, 7, 1900128.	1.8	5
46	Affordable Production of Antioxidant Aqueous Solutions by Hydrodynamic Cavitation Processing of Silver Fir (<i>Abies alba</i> Mill.) Needles. <i>Foods</i> , 2019, 8, 65.	1.9	35
47	Integral Extraction of <i>Opuntia ficus-indica</i> Peel Bioproducts via Microwave-Assisted Hydrodiffusion and Hydrodistillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7884-7891.	3.2	21
48	Acknowledgement to Reviewers of <i>Fluids</i> in 2018. <i>Fluids</i> , 2019, 4, 9.	0.8	0
49	Electric Bus: A Critical Overview on the Dawn of Its Widespread Uptake. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800151.	2.7	35
50	Hydrodynamic Cavitation-Assisted Processing of Vegetable Beverages: Review and the Case of Beer-Brewing. , 2019, , 211-257.		4
51	Temporal and Spatial Variability of Volatile Organic Compounds in the Forest Atmosphere. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4915.	1.2	29
52	A bioeconomy perspective for natural sweetener Stevia. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 445-452.	1.9	22
53	Hydrodynamic cavitation as an energy efficient process to increase biochar surface area and porosity: A case study. <i>Journal of Cleaner Production</i> , 2019, 210, 159-169.	4.6	37
54	Novel Affordable, Reliable and Efficient Technologies to Help Addressing the Water-Energy-Food Nexus. <i>European Journal of Sustainable Development (discontinued)</i> , 2019, 8, 1.	0.4	8

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55	Beer produced via hydrodynamic cavitation retains higher amounts of xanthohumol and other hops prenylflavonoids. <i>LWT - Food Science and Technology</i> , 2018, 91, 160-167.	2.5	38
56	Expanding the Distributed Generation Concept: Toward Decentralized Energy and Water Supply. <i>Global Challenges</i> , 2018, 2, 1800006.	1.8	3
57	Innovative beer-brewing of typical, old and healthy wheat varieties to boost their spreading. <i>Journal of Cleaner Production</i> , 2018, 171, 297-311.	4.6	37
58	Olive biophenol integral extraction at a two-phase olive mill. <i>Journal of Cleaner Production</i> , 2018, 174, 1487-1491.	4.6	13
59	New Energy and Weather Services in the Context of the Energy Transition. <i>Energy Technology</i> , 2018, 6, 134-139.	1.8	6
60	Solar Landfills: Economic, Environmental, and Social Benefits. <i>Energy Technology</i> , 2018, 6, 597-604.	1.8	3
61	Integrating Solar Energy in Rome's Built Environment: A Perspective for Distributed Generation on Global Scale. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800022.	2.7	4
62	Solar street lighting: a key technology en route to sustainability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e218.	1.9	22
63	Solar Air Heating and Ventilation in Buildings: A Key Component in the Forthcoming Renewable Energy Mix. <i>Energy Technology</i> , 2017, 5, 1165-1172.	1.8	15
64	Opuntia ficus-indica seed oil: Biorefinery and bioeconomy aspects. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700013.	1.0	20
65	Enhancing and improving the extraction of omega-3 from fish oil. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 54-59.	1.6	55
66	Olive Biophenols as New Antioxidant Additives in Food and Beverage. <i>ChemistrySelect</i> , 2017, 2, 1360-1365.	0.7	21
67	Gluten reduction in beer by hydrodynamic cavitation assisted brewing of barley malts. <i>LWT - Food Science and Technology</i> , 2017, 82, 342-353.	2.5	34
68	Cover Image, Volume 6, Issue 2. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e247.	1.9	0
69	Citric acid: emerging applications of key biotechnology industrial product. <i>Chemistry Central Journal</i> , 2017, 11, 22.	2.6	165
70	Que faire? A Bioeconomy and Solar Energy Institute at Italy's Research Council in the Context of the Global Transition to the Solar Economy. <i>Chemistry - A European Journal</i> , 2017, 23, 15276-15282.	1.7	14
71	Antifouling and Photocatalytic Antibacterial Activity of the AquaSun Coating in Seawater and Related Media. <i>ACS Omega</i> , 2017, 2, 7568-7575.	1.6	15
72	Wastewater remediation via controlled hydrocavitation. <i>Environmental Reviews</i> , 2017, 25, 175-183.	2.1	31

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73	Beer-brewing powered by controlled hydrodynamic cavitation: Theory and real-scale experiments. <i>Journal of Cleaner Production</i> , 2017, 142, 1457-1470.	4.6	65
74	Essential Oil of <i>Cinnamomum Cassia</i> for Pest Control. , 2017, , 303-318.		1
75	Rethinking solar energy education on the dawn of the solar economy. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 13-18.	8.2	63
76	Solar energy for Sicily's remote islands: On the route from fossil to renewable energy. <i>International Journal of Sustainable Built Environment</i> , 2016, 5, 132-140.	3.2	34
77	The remarkable impact of renewable energy generation in Sicily onto electricity price formation in Italy. <i>Energy Science and Engineering</i> , 2016, 4, 194-204.	1.9	16
78	Reshaping the education of energy managers. <i>Energy Research and Social Science</i> , 2016, 21, 44-48.	3.0	26
79	Hydrogen Peroxide: A Key Chemical for Today's Sustainable Development. <i>ChemSusChem</i> , 2016, 9, 3374-3381.	3.6	343
80	Extraction, benefits and valorization of olive polyphenols. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 503-511.	1.0	74
81	Lycopene: Emerging Production Methods and Applications of a Valued Carotenoid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 643-650.	3.2	61
82	Guidelines for Integrating Solar Energy in Sicily's Buildings. <i>Green</i> , 2015, 5, 73-82.	0.4	6
83	The impact of electric vehicles on the power market. <i>Energy Science and Engineering</i> , 2015, 3, 300-309.	1.9	19
84	The great solar boom: a global perspective into the far reaching impact of an unexpected energy revolution. <i>Energy Science and Engineering</i> , 2015, 3, 499-509.	1.9	64
85	LED Street Lighting: A Looking Ahead Perspective. <i>Green</i> , 2015, 5, 83-94.	0.4	7
86	Communication and interpretation of regional weather forecasts: a survey of the Italian public. <i>Meteorological Applications</i> , 2015, 22, 495-504.	0.9	21
87	Energy efficient inactivation of <i>Saccharomyces cerevisiae</i> via controlled hydrodynamic cavitation. <i>Energy Science and Engineering</i> , 2015, 3, 221-238.	1.9	39
88	Commercialization of graphene-based technologies: a critical insight. <i>Chemical Communications</i> , 2015, 51, 7090-7095.	2.2	74
89	Fundamental experiments for revealing physical space anisotropy and their possible interpretation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 935-939.	0.1	3
90	Precipitation changes from two long-term hourly datasets in Tuscany, Italy. <i>International Journal of Climatology</i> , 2014, 34, 3977-3985.	1.5	22

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91	Assessment of the minimum value of photovoltaic electricity in Italy. Energy Science and Engineering, 2014, 2, 94-105.	1.9	17
92	A New Additional Energy Source for Tornadoes. American Journal of Astronomy and Astrophysics, 2014, 2, 32.	0.2	0
93	On the Dependence of Planetary Spin on Mass. American Journal of Astronomy and Astrophysics, 2014, 2, 27.	0.2	0
94	Experimental Investigation of the Traction Force for a New Space Thruster. American Journal of Astronomy and Astrophysics, 2014, 2, 40.	0.2	1
95	Introduction. Seminars in Oncology Nursing, 2013, 29, 157-159.	0.7	3
96	Universal Propulsion Harnessing the Global Anisotropy of the Physical Space. American Journal of Modern Physics, 2013, 2, 383.	0.1	7
97	Wind control of storm-triggered shallow landslides. Geophysical Research Letters, 2007, 34, .	1.5	8
98	Correction to "Wind control of storm-triggered shallow landslides" Geophysical Research Letters, 2007, 34, .	1.5	1
99	Implementing an Operational Chain: The Florence LaMMA Laboratory. , 2007, , 471-482.		2
100	Analytical evaluation of mesoscale fluxes and pressure field. Environmental Fluid Mechanics, 2005, 5, 3-33.	0.7	3
101	Recent trends and climatic perspectives of hailstorms frequency and intensity in Tuscany and Central Italy. Natural Hazards and Earth System Sciences, 2005, 5, 217-224.	1.5	20
102	Regional Climatic Variability and its Impacts on Flood and Drought Hazards. , 2005, , .		0
103	Sensitivity of meteorological high-resolution numerical simulations of the biggest floods occurred over the Arno river basin, Italy, in the 20th century. Journal of Hydrology, 2004, 288, 37-56.	2.3	29
104	Rainfall assimilation in RAMS by means of the Kuo parameterisation inversion: method and preliminary results. Journal of Hydrology, 2004, 288, 20-35.	2.3	10
105	GEOS: An Innovative System for the Management of Oil Spill Emergency. , 2002, , .		0
106	Extreme rainfall in a changing climate: regional analysis and hydrological implications in Tuscany. Hydrological Processes, 2002, 16, 1261-1274.	1.1	58
107	Uncertainties and trends in extreme rainfall series in Tuscany, Italy: Effects on urban drainage networks design. Water Science and Technology, 1998, 37, 195.	1.2	13
108	Uncertainties and trends in extreme rainfall series in Tuscany, Italy: effects on urban drainage networks design. Water Science and Technology, 1998, 37, 195-202.	1.2	10

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109	DI.M.C.OR: A software package for diagnostic wind reconstruction. Environmental Software, 1995, 10, 129-136.	0.3	1
110	GEOS: An Innovative System for the Management of Oil Spill Emergency. , 0, , .		0
111	IntegroPectin: A New Citrus Pectin with Uniquely High Biological Activity. , 0, , .		1