Fabrizio Passarini

List of Publications by Year
in descending order

91	4,203	101384	118652
papers	citations	36 h-index	62 g-index

93	93	93	5647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Airborne Transmission Route of COVID-19: Why 2 Meters/6 Feet of Inter-Personal Distance Could Not Be Enough. International Journal of Environmental Research and Public Health, 2020, 17, 2932.	1.2	519
2	SARS-Cov-2RNA found on particulate matter of Bergamo in Northern Italy: First evidence. Environmental Research, 2020, 188, 109754.	3.7	381
3	An international comparative study of end-of-life vehicle (ELV) recycling systems. Journal of Material Cycles and Waste Management, 2014, 16, 1-20.	1.6	190
4	Potential role of particulate matter in the spreading of COVID-19 in Northern Italy: first observational study based on initial epidemic diffusion. BMJ Open, 2020, 10, e039338.	0.8	172
5	Butadiene from biomass, a life cycle perspective to address sustainability in the chemical industry. Green Chemistry, 2016, 18, 1625-1638.	4.6	126
6	End-of-Life Vehicles management: Italian material and energy recovery efficiency. Waste Management, 2011, 31, 489-494.	3.7	106
7	Soluble and insoluble fractions of heavy metals in wet and dry atmospheric depositions in Bologna, Italy. Environmental Pollution, 2003, 124, 457-469.	3.7	99
8	Searching for SARS-COV-2 on Particulate Matter: A Possible Early Indicator of COVID-19 Epidemic Recurrence. International Journal of Environmental Research and Public Health, 2020, 17, 2986.	1.2	99
9	The European PVC cycle: In-use stock and flows. Resources, Conservation and Recycling, 2017, 123, 108-116.	5.3	98
10	Automotive shredder residue (ASR) characterization for a valuable management. Waste Management, 2010, 30, 2228-2234.	3.7	97
11	Life cycle inventory improvement in the pharmaceutical sector: assessment of the sustainability combining PMI and LCA tools. Green Chemistry, 2015, 17, 3390-3400.	4.6	90
12	A simplified early stage assessment of process intensification: glycidol as a value-added product from epichlorohydrin industry wastes. Green Chemistry, 2016, 18, 4559-4570.	4.6	87
13	Terephthalic acid from renewable sources: early-stage sustainability analysis of a bio-PET precursor. Green Chemistry, 2019, 21, 885-896.	4.6	84
14	Glycerol as feedstock in the synthesis of chemicals: a life cycle analysis for acrolein production. Green Chemistry, 2015, 17, 343-355.	4.6	79
15	Indicators of waste management efficiency related to different territorial conditions. Waste Management, 2011, 31, 785-792.	3.7	77
16	A comparison among different automotive shredder residue treatment processes. International Journal of Life Cycle Assessment, 2010, 15, 896-906.	2.2	73
17	Auto shredder residue recycling: Mechanical separation and pyrolysis. Waste Management, 2012, 32, 852-858.	3.7	69
18	Environmental impacts of waste incineration in a regional system (Emilia Romagna, Italy) evaluated from a life cycle perspective. Journal of Hazardous Materials, 2008, 159, 505-511.	6.5	67

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19	Application of switchable hydrophilicity solvents for recycling multilayer packaging materials. Green Chemistry, 2017, 19, 1714-1720.	4.6	63
20	Auto shredder residue LCA: implications of ASR composition evolution. Journal of Cleaner Production, 2012, 23, 28-36.	4.6	60
21	The characterization of Snâ€based corrosion products in ancient bronzes: a Raman approach. Journal of Raman Spectroscopy, 2012, 43, 1596-1603.	1.2	59
22	Recovering the â€œnew twinâ€: Analysis of secondary neodymium sources and recycling potentials in Europe. Resources, Conservation and Recycling, 2019, 142, 143-152.	5.3	56
23	Exploring future copper demand, recycling and associated greenhouse gas emissions in the EU-28. Global Environmental Change, 2020, 63, 102093.	3.6	56
24	Reuse of incinerator bottom and fly ashes to obtain glassy materials. Journal of Hazardous Materials, 2008, 153, 1270-1274.	6.5	54
25	Markers and influence of open biomass burning on atmospheric particulate size and composition during a major bonfire event. Atmospheric Environment, 2014, 82, 218-225.	1.9	52
26	Life Cycle Assessment comparison of two ways for acrylonitrile production: the SOHIO process and an alternative route using propane. Journal of Cleaner Production, 2014, 69, 17-25.	4.6	49
27	Heating systems LCA: comparison of biomass-based appliances. International Journal of Life Cycle Assessment, 2014, 19, 89-99.	2.2	47
28	Urban Mines of Copper: Size and Potential for Recycling in the EU. Resources, 2017, 6, 6.	1.6	47
29	The atmospheric corrosion of quaternary bronzes: The action of stagnant rain water. Corrosion Science, 2010, 52, 3002-3010.	3.0	46
30	Chemical characterisation of spent rechargeable batteries. Waste Management, 2009, 29, 2332-2335.	3.7	45
31	Tools for evaluation of impact associated with MSW incineration: LCA and integrated environmental monitoring system. Waste Management, 2005, 25, 191-196.	3.7	43
32	Historical evolution of anthropogenic aluminum stocks and flows in Italy. Resources, Conservation and Recycling, 2013, 72, 1-8.	5.3	43
33	The role of outdoor and indoor air quality in the spread of SARS-CoV-2: Overview and recommendations by the research group on COVID-19 and particulate matter (RESCOP commission). Environmental Research, 2022, 211, 113038.	3.7	42
34	Biochemical and histochemical responses to environmental contaminants in clam, Tapes philippinarum, transplanted to different polluted areas of Venice Lagoon, Italy. Marine Environmental Research, 2000, 50, 425-430.	1.1	41
35	Assessment of Ecodesign potential in reaching new recycling targets. Resources, Conservation and Recycling, 2010, 54, 1128-1134.	5.3	41
36	Effect of fuel quality classes on the emissions of a residential wood pellet stove. Fuel, 2018, 211, 269-277.	3.4	40

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37	Backlighting the European Indium Recycling Potentials. Journal of Industrial Ecology, 2019, 23, 426-437.	2.8	38
38	Biomass Residues to Renewable Energy: A Life Cycle Perspective Applied at a Local Scale. Energies, 2016, 9, 922.	1.6	37
39	Sustainability of a bio-waste treatment plant: Impact evolution resulting from technological improvements. Journal of Cleaner Production, 2018, 171, 1006-1019.	4.6	35
40	Catalytic Biorefining of Ethanol from Wine Waste to Butanol and Higher Alcohols: Modeling the Life Cycle Assessment and Process Design. ACS Sustainable Chemistry and Engineering, 2019, 7, 224-237.	3.2	35
41	Heavy metals monitoring at a Mediterranean natural ecosystem of Central Italy. Trends in different environmental matrixes. Environment International, 2004, 30, 173-181.	4.8	32
42	The environmental fate of heavy metals arising from a MSW incineration plant. Waste Management, 2002, 22, 875-881.	3.7	31
43	Acetonitrile from Bioethanol Ammoxidation: Process Design from the Grass-Roots and Life Cycle Analysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 5441-5451.	3.2	30
44	Glycidol, a Valuable Substrate for the Synthesis of Monoalkyl Glyceryl Ethers: A Simplified Life Cycle Approach. ChemSusChem, 2017, 10, 2291-2300.	3.6	29
45	PCDD/Fs atmospheric deposition fluxes and soil contamination close to a municipal solid waste incinerator. Chemosphere, 2011, 83, 1366-1373.	4.2	28
46	Atmospheric corrosion of Cor-Ten steel with different surface finish: Accelerated ageing and metal release. Materials Chemistry and Physics, 2012, 136, 477-486.	2.0	28
47	Bioenergy with carbon emissions capture and utilisation towards GHG neutrality: Power-to-Gas storage via hydrothermal gasification. Applied Energy, 2020, 280, 115923.	5.1	27
48	Application of an integrated environmental monitoring system to an incineration plant. Science of the Total Environment, 2002, 289, 177-188.	3.9	26
49	Environmental impact assessment of a WtE plant after structural upgrade measures. Waste Management, 2014, 34, 753-762.	3.7	25
50	On the Spatial Dimension of the Circular Economy. Resources, 2019, 8, 32.	1.6	25
51	Bulk deposition close to a Municipal Solid Waste incinerator: One source among many. Science of the Total Environment, 2013, 456-457, 392-403.	3.9	23
52	Historical evolution of greenhouse gas emissions from aluminum production at a country level. Journal of Cleaner Production, 2014, 84, 540-549.	4.6	23
53	The role of carbon capture, utilization, and storage for economic pathways that limit global warming to below 1.5Â°C. IScience, 2022, 25, 104237.	1.9	22
54	Assessment and comparison of the environmental performances of a regional incinerator network. Waste Management, 2007, 27, S85-S91.	3.7	21

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55	Feasibility of Industrial Symbiosis in Italy as an Opportunity for Economic Development: Critical Success Factor Analysis, Impact and Constrains of the Specific Italian Regulations. Waste and Biomass Valorization, 2015, 6, 865-874.	1.8	21
56	First Attempt of Glycidolâ€toâ€Monoalkyl Glyceryl Ethers Conversion by Acid Heterogeneous Catalysis: Synthesis and Simplified Sustainability Assessment. ChemSusChem, 2018, 11, 1829-1837.	3.6	20
57	Biogas to Syngas through the Combined Steam/Dry Reforming Process: An Environmental Impact Assessment. Energy & Fuels, 2021, 35, 4224-4236.	2.5	18
58	Chemical composition of wet and dry atmospheric depositions in an urban environment: local, regional and long-range influences. Journal of Atmospheric Chemistry, 2008, 59, 151-170.	1.4	17
59	Weathering steel as a potential source for metal contamination: Metal dissolution during 3-year of field exposure in a urban coastal site. Environmental Pollution, 2016, 213, 571-584.	3.7	17
60	Life Cycle Assessment (LCA) of Environmental and Energy Systems. Energies, 2020, 13, 5892.	1.6	16
61	Risk assessment applied to air emissions from a medium-sized Italian MSW incinerator. Waste Management and Research, 2011, 29, S48-S56.	2.2	15
62	Influence of inorganic anions from atmospheric depositions on weathering steel corrosion and metal release. Construction and Building Materials, 2020, 236, 117515.	3.2	14
63	Aluminium flows in vehicles: enhancing the recovery at end-of-life. Journal of Material Cycles and Waste Management, 2014, 16, 39-45.	1.6	13
64	Evaluation of non-steady state condition contribution to the total emissions of residential wood pellet stove. Energy, 2015, 88, 650-657.	4.5	13
65	Shedding Light on the Anthropogenic Europium Cycle in the EUâ€“28. Marking Product Turnover and Energy Progress in the Lighting Sector. Resources, 2018, 7, 59.	1.6	13
66	Combining the highest degradation efficiency with the lowest environmental impact in zinc oxide based photocatalytic systems. Journal of Cleaner Production, 2020, 252, 119762.	4.6	13
67	APPLICATION OF LCA METHODOLOGY IN THE ASSESSMENT OF A PYROLYSIS PROCESS FOR TYRES RECYCLING. Environmental Engineering and Management Journal, 2018, 17, 2437-2445.	0.2	12
68	Source apportionment and location by selective wind sampling and Positive Matrix Factorization. Environmental Science and Pollution Research, 2014, 21, 11634-11648.	2.7	11
69	ASSESSMENT OF INDOOR POLLUTION IN A SCHOOL ENVIRONMENT THROUGH BOTH PASSIVE AND CONTINUOUS SAMPLINGS. Environmental Engineering and Management Journal, 2015, 14, 1761-1770.	0.2	11
70	AIRSENSE-TO-ACT: A Concept Paper for COVID-19 Countermeasures Based on Artificial Intelligence Algorithms and Multi-Source Data Processing. ISPRS International Journal of Geo-Information, 2021, 10, 34.	1.4	10
71	Nexus analysis and life cycle assessment of regional water supply systems: A case study from Italy. Resources, Conservation and Recycling, 2022, 185, 106446.	5.3	10
72	Environmental sustainability assessment of organic vineyard practices from a life cycle perspective. International Journal of Environmental Science and Technology, 2022, 19, 4645-4658.	1.8	9

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73	Environmental Impact of Meals: How Big Is the Carbon Footprint in the School Canteens?. Foods, 2022, 11, 193.	1.9	6
74	Environmental analysis of crop rotations through the application of the Cereal Unit approach. Ecological Indicators, 2021, 121, 107199.	2.6	5
75	LCA Integration Within Sustainability Metrics for Chemical Companies. , 2020, , 53-73.		5
76	Glycidol syntheses and valorizations: Boosting the glycerol biorefinery. Current Opinion in Green and Sustainable Chemistry, 2022, 35, 100624.	3.2	5
77	Material system analysis: Characterization of flows, stocks, and performance indicators of manganese, nickel, and natural graphite in the EU, 2012â€“2016. Journal of Industrial Ecology, 0, , .	2.8	3
78	Carbon Fibers Waste Recovery via Pyro-Gasification: Semi-Industrial Pilot Plant Testing and LCA. Sustainability, 2022, 14, 3744.	1.6	3
79	Heavy metals as indicators for an integrated environmental monitoring system. European Physical Journal Special Topics, 2003, 107, 891-894.	0.2	2
80	The environmental impact of a municipal solid waste incinerator: 15 years of monitoring. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	2
81	Critical Loads for Cd and Pb in the Province of Bologna. Annali Di Chimica, 2006, 96, 697-705.	0.6	1
82	Critical loads and exceedences of Cd and Pb in a Northern Italy area. European Physical Journal Special Topics, 2003, 107, 895-898.	0.2	1
83	Integrated Waste Management. Technologies and Environmental Control. , 2008, , 159-170.		1
84	Methodological approach for an integrated environmental monitoring system relative to heavy metals from an incineration plant. Annali Di Chimica, 2000, 90, 723-32.	0.6	1
85	Long-term atmospheric deposition wet-dry fluxes. Critical loads exceedences in an urban area. Annali Di Chimica, 2001, 91, 459-69.	0.6	1
86	Chemistry in a sustainable society. Environmental Science and Pollution Research, 2014, 21, 13149-13151.	2.7	0
87	Integrated waste management of special and municipal waste â€“ a territorial case study. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0
88	Integrated Waste Management. Technologies and Environmental Control. , 2008, , 159-170.		0
89	Chemical analyses of heavy metal contamination in sediments of the Venice Lagoon and toxicological implications. Annali Di Chimica, 2001, 91, 471-8.	0.6	0
90	The atmospheric monitoring in a protected area. Annali Di Chimica, 2003, 93, 117-27.	0.6	0

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91	Still edible wasted food from households: A regional Italian case study. Waste Management and Research, 0, , 0734242X2211054.	2.2	0