

# Fabrizio Passarini

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

4,203  
citations

101384

36  
h-index

118652

62  
g-index

93  
all docs

93  
docs citations

93  
times ranked

5647  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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         |
| 2  | Environmental Impact of Meals: How Big Is the Carbon Footprint in the School Canteens?. Foods, 2022, 11, 193.   | 1.9 | 6         |
| 3  | Glycidol syntheses and valorizations: Boosting the glycerol biorefinery. Current Opinion in Green and Sustainable Chemistry, 2022, 35, 100624.  | 3.2 | 5         |
| 4  | 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        |
| 5  | The role of carbon capture, utilization, and storage for economic pathways that limit global warming to below 1.5°C. IScience, 2022, 25, 104237.  | 1.9 | 22        |
| 6  | Carbon Fibers Waste Recovery via Pyro-Gasification: Semi-Industrial Pilot Plant Testing and LCA. Sustainability, 2022, 14, 3744.  | 1.6 | 3         |
| 7  | 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        |
| 8  | 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        |
| 9  | Environmental analysis of crop rotations through the application of the Cereal Unit approach. Ecological Indicators, 2021, 121, 107199.   | 2.6 | 5         |
| 10 | Biogas to Syngas through the Combined Steam/Dry Reforming Process: An Environmental Impact Assessment. Energy & Fuels, 2021, 35, 4224-4236.   | 2.5 | 18        |
| 11 | Influence of inorganic anions from atmospheric depositions on weathering steel corrosion and metal release. Construction and Building Materials, 2020, 236, 117515.   | 3.2 | 14        |
| 12 | 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        |
| 13 | 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        |
| 14 | Life Cycle Assessment (LCA) of Environmental and Energy Systems. Energies, 2020, 13, 5892.  | 1.6 | 16        |
| 15 | 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       |
| 16 | SARS-Cov-2RNA found on particulate matter of Bergamo in Northern Italy: First evidence. Environmental Research, 2020, 188, 109754.  | 3.7 | 381       |
| 17 | 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       |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | LCA Integration Within Sustainability Metrics for Chemical Companies. , 2020, , 53-73.   |     | 5         |
| 20 | Exploring future copper demand, recycling and associated greenhouse gas emissions in the EU-28. Global Environmental Change, 2020, 63, 102093.   | 3.6 | 56        |
| 21 | Terephthalic acid from renewable sources: early-stage sustainability analysis of a bio-PET precursor. Green Chemistry, 2019, 21, 885-896.  | 4.6 | 84        |
| 22 | On the Spatial Dimension of the Circular Economy. Resources, 2019, 8, 32.  | 1.6 | 25        |
| 23 | 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        |
| 24 | Recovering the "new twin" Analysis of secondary neodymium sources and recycling potentials in Europe. Resources, Conservation and Recycling, 2019, 142, 143-152.                                     | 5.3 | 56        |
| 25 | Backlighting the European Indium Recycling Potentials. Journal of Industrial Ecology, 2019, 23, 426-437.   | 2.8 | 38        |
| 26 | First Attempt of Glycidol to Monoalkyl Glyceryl Ethers Conversion by Acid Heterogeneous Catalysis: Synthesis and Simplified Sustainability Assessment. ChemSusChem, 2018, 11, 1829-1837.             | 3.6 | 20        |
| 27 | Acetonitrile from Bioethanol Amoxidation: Process Design from the Grass-Roots and Life Cycle Analysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 5441-5451.                                | 3.2 | 30        |
| 28 | Effect of fuel quality classes on the emissions of a residential wood pellet stove. Fuel, 2018, 211, 269-277.  | 3.4 | 40        |
| 29 | Sustainability of a bio-waste treatment plant: Impact evolution resulting from technological improvements. Journal of Cleaner Production, 2018, 171, 1006-1019.                                      | 4.6 | 35        |
| 30 | Shedding Light on the Anthropogenic Europium Cycle in the EU-28. Marking Product Turnover and Energy Progress in the Lighting Sector. Resources, 2018, 7, 59.  | 1.6 | 13        |
| 31 | 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        |
| 32 | Application of switchable hydrophilicity solvents for recycling multilayer packaging materials. Green Chemistry, 2017, 19, 1714-1720.  | 4.6 | 63        |
| 33 | Glycidol, a Valuable Substrate for the Synthesis of Monoalkyl Glyceryl Ethers: A Simplified Life Cycle Approach. ChemSusChem, 2017, 10, 2291-2300.   | 3.6 | 29        |
| 34 | The European PVC cycle: In-use stock and flows. Resources, Conservation and Recycling, 2017, 123, 108-116.   | 5.3 | 98        |
| 35 | Urban Mines of Copper: Size and Potential for Recycling in the EU. Resources, 2017, 6, 6.  | 1.6 | 47        |
| 36 | Biomass Residues to Renewable Energy: A Life Cycle Perspective Applied at a Local Scale. Energies, 2016, 9, 922.   | 1.6 | 37        |

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|----|---|-----|-----------|
| 37 | A simplified early stage assessment of process intensification: glycidol as a value-added product from epichlorohydrin industry wastes. <i>Green Chemistry</i> , 2016, 18, 4559-4570.   | 4.6 | 87        |
| 38 | Weathering steel as a potential source for metal contamination: Metal dissolution during 3-year of field exposure in a urban coastal site. <i>Environmental Pollution</i> , 2016, 213, 571-584.   | 3.7 | 17        |
| 39 | Butadiene from biomass, a life cycle perspective to address sustainability in the chemical industry. <i>Green Chemistry</i> , 2016, 18, 1625-1638.  | 4.6 | 126       |
| 40 | Evaluation of non-steady state condition contribution to the total emissions of residential wood pellet stove. <i>Energy</i> , 2015, 88, 650-657.   | 4.5 | 13        |
| 41 | Feasibility of Industrial Symbiosis in Italy as an Opportunity for Economic Development: Critical Success Factor Analysis, Impact and Constrains of the Specific Italian Regulations. <i>Waste and Biomass Valorization</i> , 2015, 6, 865-874. | 1.8 | 21        |
| 42 | Life cycle inventory improvement in the pharmaceutical sector: assessment of the sustainability combining PMI and LCA tools. <i>Green Chemistry</i> , 2015, 17, 3390-3400.  | 4.6 | 90        |
| 43 | Glycerol as feedstock in the synthesis of chemicals: a life cycle analysis for acrolein production. <i>Green Chemistry</i> , 2015, 17, 343-355.   | 4.6 | 79        |
| 44 | ASSESSMENT OF INDOOR POLLUTION IN A SCHOOL ENVIRONMENT THROUGH BOTH PASSIVE AND CONTINUOUS SAMPLINGS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1761-1770.  | 0.2 | 11        |
| 45 | Chemistry in a sustainable society. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13149-13151.  | 2.7 | 0         |
| 46 | Aluminium flows in vehicles: enhancing the recovery at end-of-life. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 39-45.   | 1.6 | 13        |
| 47 | Heating systems LCA: comparison of biomass-based appliances. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 89-99.   | 2.2 | 47        |
| 48 | An international comparative study of end-of-life vehicle (ELV) recycling systems. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 1-20.   | 1.6 | 190       |
| 49 | Source apportionment and location by selective wind sampling and Positive Matrix Factorization. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11634-11648.  | 2.7 | 11        |
| 50 | Environmental impact assessment of a WtE plant after structural upgrade measures. <i>Waste Management</i> , 2014, 34, 753-762.  | 3.7 | 25        |
| 51 | Markers and influence of open biomass burning on atmospheric particulate size and composition during a major bonfire event. <i>Atmospheric Environment</i> , 2014, 82, 218-225.   | 1.9 | 52        |
| 52 | Historical evolution of greenhouse gas emissions from aluminum production at a country level. <i>Journal of Cleaner Production</i> , 2014, 84, 540-549.   | 4.6 | 23        |
| 53 | Life Cycle Assessment comparison of two ways for acrylonitrile production: the SOHIO process and an alternative route using propane. <i>Journal of Cleaner Production</i> , 2014, 69, 17-25.  | 4.6 | 49        |
| 54 | The environmental impact of a municipal solid waste incinerator: 15 years of monitoring. <i>WIT Transactions on Ecology and the Environment</i> , 2014, , .   | 0.0 | 2         |

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|----|---|-----|-----------|
| 55 | Historical evolution of anthropogenic aluminum stocks and flows in Italy. <i>Resources, Conservation and Recycling</i> , 2013, 72, 1-8.   | 5.3 | 43        |
| 56 | Bulk deposition close to a Municipal Solid Waste incinerator: One source among many. <i>Science of the Total Environment</i> , 2013, 456-457, 392-403.  | 3.9 | 23        |
| 57 | Auto shredder residue recycling: Mechanical separation and pyrolysis. <i>Waste Management</i> , 2012, 32, 852-858.  | 3.7 | 69        |
| 58 | Atmospheric corrosion of Cor-Ten steel with different surface finish: Accelerated ageing and metal release. <i>Materials Chemistry and Physics</i> , 2012, 136, 477-486.                      | 2.0 | 28        |
| 59 | The characterization of Sn-based corrosion products in ancient bronzes: a Raman approach. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1596-1603.   | 1.2 | 59        |
| 60 | Auto shredder residue LCA: implications of ASR composition evolution. <i>Journal of Cleaner Production</i> , 2012, 23, 28-36.   | 4.6 | 60        |
| 61 | PCDD/Fs atmospheric deposition fluxes and soil contamination close to a municipal solid waste incinerator. <i>Chemosphere</i> , 2011, 83, 1366-1373.  | 4.2 | 28        |
| 62 | End-of-Life Vehicles management: Italian material and energy recovery efficiency. <i>Waste Management</i> , 2011, 31, 489-494.  | 3.7 | 106       |
| 63 | Indicators of waste management efficiency related to different territorial conditions. <i>Waste Management</i> , 2011, 31, 785-792.   | 3.7 | 77        |
| 64 | Risk assessment applied to air emissions from a medium-sized Italian MSW incinerator. <i>Waste Management and Research</i> , 2011, 29, S48-S56.   | 2.2 | 15        |
| 65 | A comparison among different automotive shredder residue treatment processes. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 896-906.                                      | 2.2 | 73        |
| 66 | Assessment of Ecodesign potential in reaching new recycling targets. <i>Resources, Conservation and Recycling</i> , 2010, 54, 1128-1134.  | 5.3 | 41        |
| 67 | Automotive shredder residue (ASR) characterization for a valuable management. <i>Waste Management</i> , 2010, 30, 2228-2234.  | 3.7 | 97        |
| 68 | The atmospheric corrosion of quaternary bronzes: The action of stagnant rain water. <i>Corrosion Science</i> , 2010, 52, 3002-3010.   | 3.0 | 46        |
| 69 | Chemical characterisation of spent rechargeable batteries. <i>Waste Management</i> , 2009, 29, 2332-2335.   | 3.7 | 45        |
| 70 | Chemical composition of wet and dry atmospheric depositions in an urban environment: local, regional and long-range influences. <i>Journal of Atmospheric Chemistry</i> , 2008, 59, 151-170.  | 1.4 | 17        |
| 71 | Reuse of incinerator bottom and fly ashes to obtain glassy materials. <i>Journal of Hazardous Materials</i> , 2008, 153, 1270-1274.   | 6.5 | 54        |
| 72 | Environmental impacts of waste incineration in a regional system (Emilia Romagna, Italy) evaluated from a life cycle perspective. <i>Journal of Hazardous Materials</i> , 2008, 159, 505-511. | 6.5 | 67        |

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|----|---|-----|-----------|
| 73 | Integrated Waste Management. Technologies and Environmental Control. , 2008, , 159-170.   |     | 1         |
| 74 | Integrated Waste Management. Technologies and Environmental Control. , 2008, , 159-170.   |     | 0         |
| 75 | Assessment and comparison of the environmental performances of a regional incinerator network. Waste Management, 2007, 27, S85-S91.   | 3.7 | 21        |
| 76 | Critical Loads for Cd and Pb in the Province of Bologna. Annali Di Chimica, 2006, 96, 697-705.  | 0.6 | 1         |
| 77 | Integrated waste management of special and municipal waste “ a territorial case study. WIT Transactions on Ecology and the Environment, 2006, , .   | 0.0 | 0         |
| 78 | Tools for evaluation of impact associated with MSW incineration: LCA and integrated environmental monitoring system. Waste Management, 2005, 25, 191-196.   | 3.7 | 43        |
| 79 | 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        |
| 80 | 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        |
| 81 | Heavy metals as indicators for an integrated environmental monitoring system. European Physical Journal Special Topics, 2003, 107, 891-894.   | 0.2 | 2         |
| 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 | The atmospheric monitoring in a protected area. Annali Di Chimica, 2003, 93, 117-27.  | 0.6 | 0         |
| 84 | Application of an integrated environmental monitoring system to an incineration plant. Science of the Total Environment, 2002, 289, 177-188.  | 3.9 | 26        |
| 85 | The environmental fate of heavy metals arising from a MSW incineration plant. Waste Management, 2002, 22, 875-881.  | 3.7 | 31        |
| 86 | Long-term atmospheric deposition wet-dry fluxes. Critical loads exceedences in an urban area. Annali Di Chimica, 2001, 91, 459-69.  | 0.6 | 1         |
| 87 | 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         |
| 88 | Biochemical and histochemical responses to environmental contaminants in clam, <i>Tapes philippinarum</i> , transplanted to different polluted areas of Venice Lagoon, Italy. Marine Environmental Research, 2000, 50, 425-430. | 1.1 | 41        |
| 89 | 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         |
| 90 | Material system analysis: Characterization of flows, stocks, and performance indicators of manganese, nickel, and natural graphite in the EU, 2012“2016. Journal of Industrial Ecology, 0, , .                                  | 2.8 | 3         |

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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         |