

Pietro Bartocci

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7127795/pietro-bartocci-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

1,867
citations

25
h-index

41
g-index

88
ext. papers

2,427
ext. citations

6.7
avg, IF

5.31
L-index

#	Paper	IF	Citations
84	Chemical and physical characterization of food waste to improve its use in anaerobic digestion plants. <i>Energy Nexus</i> , 2022 , 5, 100049		2
83	Performance of dual multistage flashing - recycled brine and solar power plant, in the framework of the water-energy nexus. <i>Energy Nexus</i> , 2022 , 5, 100046		0
82	A techno-economic analysis of a solar PV and DC battery storage system for a community energy sharing. <i>Energy</i> , 2022 , 244, 123191	7.9	9
81	Evaluation of machine learning algorithms to predict internal concentration polarization in forward osmosis. <i>Journal of Membrane Science</i> , 2022 , 646, 120257	9.6	3
80	CFD Modelling of the Fuel Reactor of a Chemical Loping Combustion Plant to Be Used with Biomethane. <i>Processes</i> , 2022 , 10, 588	2.9	0
79	Energy Storage Benefits Assessment Using Multiple-Choice Criteria: The Case of Drini River Cascade, Albania. <i>Energies</i> , 2022 , 15, 4032	3.1	2
78	Biomethanation Potential (BMP) Study of Mesophilic Anaerobic Co-Digestion of Abundant Bio-Wastes in Southern Regions of Tunisia. <i>Processes</i> , 2021 , 9, 48	2.9	6
77	Technical Economic and Environmental analysis of Chemical Looping versus oxyfuel combustion for NGCC power plant. <i>E3S Web of Conferences</i> , 2021 , 312, 08019	0.5	1
76	High-value products from ex-situ catalytic pyrolysis of polypropylene waste using iron-based catalysts: the influence of support materials. <i>Waste Management</i> , 2021 , 136, 47-56	8.6	4
75	Prospective contributions of biomass pyrolysis to China's 2050 carbon reduction and renewable energy goals. <i>Nature Communications</i> , 2021 , 12, 1698	17.4	36
74	Investigation of the influence of dimensions and material of the pipes on the water hammer effect in microbial fuel cells wastewater treatment plants. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 44, 100990	4.7	1
73	Considerations on factors affecting biochar densification behavior based on a multiparameter model. <i>Energy</i> , 2021 , 221, 119893	7.9	8
72	VOC emissions of coal-fired power plants in China based on life cycle assessment method. <i>Fuel</i> , 2021 , 292, 120325	7.1	12
71	Efficiency of China's carbon market: A case study of Hubei pilot market. <i>Energy</i> , 2021 , 222, 119946	7.9	4
70	Life cycle water consumption for oxyfuel combustion power generation with carbon capture and storage. <i>Journal of Cleaner Production</i> , 2021 , 281, 124419	10.3	6
69	Carbonization using an Improved Natural Draft Retort Reactor in India: Comparison between the performance of two woody biomasses, <i>Prosopis juliflora</i> and <i>Casuarina equisetifolia</i> . <i>Fuel</i> , 2021 , 285, 119095	7.1	10
68	Substrate Characterization in the Anaerobic Digestion Process. <i>Clean Energy Production Technologies</i> , 2021 , 307-342	0.8	

67	Pyrolysis-catalysis of different waste plastics over Fe/Al ₂ O ₃ catalyst: High-value hydrogen, liquid fuels, carbon nanotubes and possible reaction mechanisms. <i>Energy Conversion and Management</i> , 2021 , 229, 113794	10.6	23
66	Decarbonizing materials sourcing and machining in the gas turbine sector, through a cost-carbon footprint nexus analysis. <i>Journal of Cleaner Production</i> , 2021 , 310, 127392	10.3	1
65	Effect of potassium on catalytic characteristics of ZSM-5 zeolite in fast pyrolysis of biomass-based furan. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 157, 105230	6	1
64	Research on low-carbon campus based on ecological footprint evaluation and machine learning: A case study in China. <i>Journal of Cleaner Production</i> , 2021 , 323, 129181	10.3	2
63	Production and use of biochar from lignin and lignin-rich residues (such as digestate and olive stones) for wastewater treatment. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 158, 105263	6	6
62	Influence of the ratio of Fe/Al ₂ O ₃ on waste polypropylene pyrolysis for high value-added products. <i>Journal of Cleaner Production</i> , 2021 , 315, 128240	10.3	2
61	Decarbonizing university campuses through the production of biogas from food waste: An LCA analysis. <i>Renewable Energy</i> , 2021 , 176, 565-578	8.1	6
60	Substitution of coke with pelletized biocarbon in the European and Chinese steel industries: An LCA analysis. <i>Applied Energy</i> , 2021 , 304, 117644	10.7	3
59	A simplified method for kinetic modeling of coffee silver skin pyrolysis by coupling pseudo-components peaks deconvolution analysis and model free-isoconversional methods. <i>Fuel</i> , 2020 , 278, 118260	7.1	25
58	On the self-heating behavior of upgraded biochar pellets blended with pyrolysis oil: Effects of process parameters. <i>Fuel</i> , 2020 , 278, 118395	7.1	9
57	Selenastrum Capricornutum a New Strain of Algae for Biodiesel Production. <i>Fermentation</i> , 2020 , 6, 46	4.7	13
56	Bioenergy in China: Evaluation of domestic biomass resources and the associated greenhouse gas mitigation potentials. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109842	16.2	65
55	Bio-methanisation potential (BMP) test for organic waste available in the south region of Tunisia 2020 ,		2
54	Bimetallic carbon nanotube encapsulated Fe-Ni catalysts from fast pyrolysis of waste plastics and their oxygen reduction properties. <i>Waste Management</i> , 2020 , 109, 119-126	8.6	26
53	Food waste anaerobic digestion in Umbria region (Italy): scenario analysis on the use of digestate through LCA. <i>E3S Web of Conferences</i> , 2020 , 197, 08011	0.5	2
52	Preparation of Iron- and Nitrogen-Codoped Carbon Nanotubes from Waste Plastics Pyrolysis for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2020 , 13, 938-944	8.3	25
51	LCA analysis of food waste co-digestion. <i>Science of the Total Environment</i> , 2020 , 709, 136187	10.2	34
50	Effect of Heavy Metals in the Performance of Anaerobic Digestion of Olive Mill Waste. <i>Processes</i> , 2020 , 8, 1146	2.9	12

49	Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy & Fuels</i> , 2020 , 34, 15343-15354	4.1	14
48	Carbon Nanotubes for Hydrogen Purification and Storage 2020 , 211-238		
47	Scaled-up biodiesel synthesis from Chinese Tallow Kernel oil catalyzed by Burkholderia cepacia lipase through ultrasonic assisted technology: A non-edible and alternative source of bio energy. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104658	8.9	16
46	Kinetic Analysis of Digestate Slow Pyrolysis with the Application of the Master-Plots Method and Independent Parallel Reactions Scheme. <i>Molecules</i> , 2019 , 24,	4.8	23
45	Magnetic biochar obtained through catalytic pyrolysis of macroalgae: A promising anode material for Li-ion batteries. <i>Renewable Energy</i> , 2019 , 140, 704-714	8.1	43
44	Analysis of optimal temperature, pressure and binder quantity for the production of biocarbon pellet to be used as a substitute for coke. <i>Applied Energy</i> , 2019 , 256, 113933	10.7	39
43	LCA Analysis of Biocarbon Pellet Production to Substitute Coke. <i>DEStech Transactions on Environment Energy and Earth Science</i> , 2019 ,	1.2	3
42	Energy Valorization of Bio-glycerol: Carbon Footprint of Co-pyrolysis Process of Crude Glycerol in a CHP Plant. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2019 , 19-46	0.9	1
41	An Incubation System to Enhance Biogas and Methane Production: A Case Study of an Existing Biogas Plant in Umbria, Italy. <i>Processes</i> , 2019 , 7, 925	2.9	10
40	Comparison of mini Organic Rankine Cycle plants for waste heat recovery 2019 ,		1
39	Natural Draft-Improved Carbonization Retort System for Biocarbon Production from Prosopis juliflora Biomass. <i>Energy & Fuels</i> , 2019 , 33, 11113-11124	4.1	11
38	Ultrasonic emulsification assisted immobilized Burkholderia cepacia lipase catalyzed transesterification of soybean oil for biodiesel production in a novel reactor design. <i>Renewable Energy</i> , 2019 , 135, 1025-1034	8.1	28
37	Technical and economic feasibility analysis of an anaerobic digestion plant fed with canteen food waste. <i>Energy Conversion and Management</i> , 2019 , 180, 938-948	10.6	37
36	Hydrogen-rich gas production through steam gasification of charcoal pellet. <i>Applied Thermal Engineering</i> , 2018 , 132, 817-823	5.8	38
35	Batch pyrolysis of pellet made of biomass and crude glycerol: Mass and energy balances. <i>Renewable Energy</i> , 2018 , 124, 172-179	8.1	35
34	Phytohormones and Effects on Growth and Metabolites of Microalgae: A Review. <i>Fermentation</i> , 2018 , 4, 25	4.7	50
33	Evaluation of the kinematic viscosity in biodiesel production with waste vegetable oil, ultrasonic irradiation and enzymatic catalysis: A comparative study in two-reactors. <i>Fuel</i> , 2018 , 227, 448-456	7.1	26
32	i-REXFO LIFE: an innovative business model to reduce food waste. <i>Energy Procedia</i> , 2018 , 148, 439-446	2.3	9

31	Environmental impact of Sagrantino and Grechetto grapes cultivation for wine and vinegar production in central Italy. <i>Journal of Cleaner Production</i> , 2017 , 140, 569-580	10.3	32
30	Pyrolysis of pellets made with biomass and glycerol: Kinetic analysis and evolved gas analysis. <i>Biomass and Bioenergy</i> , 2017 , 97, 11-19	5.3	39
29	Biomass Microturbine Based EFGT and IPRP Cycles: Environmental Impact Analysis and Comparison 2017 ,		2
28	Geometry optimization of a commercial annular RQL combustor of a micro gas turbine for use with natural gas and vegetal oils. <i>Energy Procedia</i> , 2017 , 126, 875-882	2.3	4
27	Thermal degradation of driftwood: Determination of the concentration of sodium, calcium, magnesium, chlorine and sulfur containing compounds. <i>Waste Management</i> , 2017 , 60, 151-157	8.6	24
26	Biomass feedstock for IGCC systems 2017 , 145-180		4
25	Codigestion of Untreated and Treated Sewage Sludge with the Organic Fraction of Municipal Solid Wastes. <i>Fermentation</i> , 2017 , 3, 35	4.7	20
24	Carbon Footprint as a Tool to Limit Greenhouse Gas Emissions 2016 ,		3
23	Energy Balance of Cardoon (<i>Cynara cardunculus</i> L.) Cultivation and Pyrolysis 2016 , 243-258		
22	A Quantitative Methodology to Measure Injector Fouling Through Image Analysis. <i>Energy Procedia</i> , 2016 , 101, 693-700	2.3	1
21	Straight and waste vegetable oil in engines: Review and experimental measurement of emissions, fuel consumption and injector fouling on a turbocharged commercial engine. <i>Fuel</i> , 2016 , 182, 198-209	7.1	57
20	An experimental and kinetic modeling study of glycerol pyrolysis. <i>Applied Energy</i> , 2016 , 184, 68-76	10.7	41
19	Thermogravimetric analysis of the behavior of sub-bituminous coal and cellulosic ethanol residue during co-combustion. <i>Bioresource Technology</i> , 2015 , 186, 154-162	11	55
18	Carbon footprint of truffle sauce in central Italy by direct measurement of energy consumption of different olive harvesting techniques. <i>Journal of Cleaner Production</i> , 2015 , 87, 188-196	10.3	26
17	Design and Preliminary Operation of a Gasification Plant for Micro-CHP with Internal Combustion Engine and SOFC. <i>Energy Procedia</i> , 2015 , 81, 298-308	2.3	8
16	Pyrolysis of Olive Stone for Energy Purposes. <i>Energy Procedia</i> , 2015 , 82, 374-380	2.3	20
15	Recovery of precious metals from scrap printed circuit boards through pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 111, 140-147	6	57
14	Review of public-private partnerships in agro-energy districts in Southern Europe: The cases of Greece and Italy. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 39, 667-678	16.2	33

13	Public-Private partnerships value in bioenergy projects: Economic feasibility analysis based on two case studies. <i>Biomass and Bioenergy</i> , 2014 , 66, 387-397	5.3	33
12	A low-cost pyrogas cleaning system for power generation: Scaling up from lab to pilot. <i>Applied Energy</i> , 2013 , 111, 1080-1088	10.7	42
11	Technologies for energetic exploitation of biodiesel chain derived glycerol: Oxy-fuels production by catalytic conversion. <i>Applied Energy</i> , 2013 , 102, 63-71	10.7	65
10	Thermogravimetric analysis and kinetic study of poplar wood pyrolysis. <i>Applied Energy</i> , 2012 , 97, 491-497	10.7	478
9	Gas Turbines CHP for Bioethanol and Biodiesel Production Without Waste Streams 2011 ,		8
8	Assessment of the Energy Conversion of Whole Oil Fruits With a Pyrolysis and Gas Turbine Process 2010 ,		5
7	Performance Evaluation of the IPRP Technology When Fueled With Biomass Residuals and Waste Feedstocks 2009 ,		5
6	Rotary Kiln Slow Pyrolysis for Syngas and Char Production From Biomass and Waste [Part II: Introducing Product Yields in the Energy Balance. <i>Journal of Engineering for Gas Turbines and Power</i> , 2007 , 129, 908-913	1.7	20
5	Rotary Kiln Slow Pyrolysis for Syngas and Char Production From Biomass and Waste [Part I: Working Envelope of the Reactor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2007 , 129, 901-907	1.7	33
4	Rotary Kiln Slow Pyrolysis for Syngas and Char Production From Biomass and Waste: Part 1 [Working Envelope of the Reactor 2006 , 409		1
3	Rotary Kiln Slow Pyrolysis for Syngas and Char Production From Biomass and Waste: Part 2 [Introducing Product Yields in the Energy Balance 2006 , 417		
2	Development of a tool to optimize economic and environmental feasibility of food waste chains. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
1	Bioenergy recovery from Southern Tunisia [organic wastes: analysis and kinetic modeling study of biomethane production. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2