Victor J Ferreira

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Decision Support System of Innovative High-Temperature Latent Heat Storage for Waste Heat Recovery in the Energy-Intensive Industry. Energies, 2021, 14, 365.	3.1	16
2	Life cycle assessment of a modular LED luminaire and quantified environmental benefits of replaceable components. Journal of Cleaner Production, 2021, 317, 128575.	9.3	4
3	Multiple-Criteria Decision Analysis and characterisation of phase change materials for waste heat recovery at high temperature for sustainable energy-intensive industry. Materials and Design, 2020, 186, 108215.	7.0	29
4	Environmental Assessment of Electrochemical Energy Storage Device Manufacturing to Identify Drivers for Attaining Goals of Sustainable Materials 4.0. Sustainability, 2020, 12, 342.	3.2	23
5	Battery Manufacturing Resource Assessment to Minimise Component Production Environmental Impacts. Sustainability, 2020, 12, 6840.	3.2	15
6	Multicriteria Analysis for Retrofitting of Natural Gas Melting and Heating Furnaces for Sustainable Manufacturing and Industry 4.0. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	12
7	Energy and resource efficiency of electroporation-assisted extraction as an emerging technology towards a sustainable bio-economy in the agri-food sector. Journal of Cleaner Production, 2019, 233, 1123-1132.	9.3	21
8	Technical and environmental evaluation of a new high performance material based on magnesium alloy reinforced with submicrometre-sized TiC particles to develop automotive lightweight components and make transport sector more sustainable. Journal of Materials Research and Technology, 2019, 8, 2549-2564.	5.8	23
9	Lightweight automotive components based on nanodiamond-reinforced aluminium alloy: A technical and environmental evaluation. Diamond and Related Materials, 2019, 92, 174-186.	3.9	30
10	High-temperature PCM-based thermal energy storage for industrial furnaces installed in energy-intensive industries. Energy, 2019, 173, 1030-1040.	8.8	72
11	Retrofitting strategies for improving the energy and environmental efficiency in industrial furnaces: A case study in the aluminium sector. Renewable and Sustainable Energy Reviews, 2018, 82, 1813-1822.	16.4	29
12	Implementation of PEF Treatment at Real-Scale Tomatoes Processing Considering LCA Methodology as an Innovation Strategy in the Agri-Food Sector. Sustainability, 2018, 10, 979.	3.2	41
13	Accumulation of De-Icing Salt and Leaching in Spanish Soils Surrounding Roadways. International Journal of Environmental Research and Public Health, 2017, 14, 1498.	2.6	20
14	Hybrid diagnosis to characterise the energy and environmental enhancement of photovoltaic modules using smart materials. Energy, 2016, 101, 174-189.	8.8	53
15	Evaluation of the steel slag incorporation as coarse aggregate for road construction: technical requirements and environmental impact assessment. Journal of Cleaner Production, 2016, 130, 175-186.	9.3	127
16	Integration of environmental indicators in the optimization of industrial energy management using phase change materials. Energy Conversion and Management, 2015, 104, 67-77.	9.2	20
17	Utilization of Ladle Furnace slag from a steelwork for laboratory scale production of Portland cement. Construction and Building Materials, 2015, 94, 837-843.	7.2	73
18	Carbon footprint of a thermal energy storage system using phase change materials for industrial energy recovery to reduce the fossil fuel consumption. Applied Energy, 2014, 135, 616-624.	10.1	53

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19	Environmental profile of latent energy storage materials applied to industrial systems. Science of the Total Environment, 2014, 473-474, 565-575.	8.0	22
20	Simultaneous production of H2 and C2 hydrocarbons by using a novel configuration solid-electrolyteÂ+Âfixed bed reactor. International Journal of Hydrogen Energy, 2013, 38, 3111-3122.	7.1	13
21	Coupling catalysis and gas phase electrocatalysis for the simultaneous production and separation of pure H2 and C2 hydrocarbons from methane and natural gas. Applied Catalysis B: Environmental, 2013, 142-143, 298-306.	20.2	10
22	Ce-Doped La2O3 based catalyst for the oxidative coupling of methane. Catalysis Communications, 2013, 42, 50-53.	3.3	65
23	Fuel Cells: Cogeneration of C2 Hydrocarbons or Simultaneous Production/Separation of H2 and C2 Hydrocarbons. Advanced Structured Materials, 2013, , 221-239.	0.5	2
24	Effect of Mg, Ca, and Sr on CeO ₂ Based Catalysts for the Oxidative Coupling of Methane: Investigation on the Oxygen Species Responsible for Catalytic Performance. Industrial & Engineering Chemistry Research, 2012, 51, 10535-10541.	3.7	96