

Victor J Ferreira

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

869
citations

535685

17
h-index

685536

24
g-index

24
all docs

24
docs citations

24
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision Support System of Innovative High-Temperature Latent Heat Storage for Waste Heat Recovery in the Energy-Intensive Industry. <i>Energies</i> , 2021, 14, 365.	1.6	16
2	Life cycle assessment of a modular LED luminaire and quantified environmental benefits of replaceable components. <i>Journal of Cleaner Production</i> , 2021, 317, 128575.	4.6	4
3	Multiple-Criteria Decision Analysis and characterisation of phase change materials for waste heat recovery at high temperature for sustainable energy-intensive industry. <i>Materials and Design</i> , 2020, 186, 108215.	3.3	29
4	Environmental Assessment of Electrochemical Energy Storage Device Manufacturing to Identify Drivers for Attaining Goals of Sustainable Materials 4.0. <i>Sustainability</i> , 2020, 12, 342.	1.6	23
5	Battery Manufacturing Resource Assessment to Minimise Component Production Environmental Impacts. <i>Sustainability</i> , 2020, 12, 6840.	1.6	15
6	Multicriteria Analysis for Retrofitting of Natural Gas Melting and Heating Furnaces for Sustainable Manufacturing and Industry 4.0. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	12
7	Energy and resource efficiency of electroporation-assisted extraction as an emerging technology towards a sustainable bio-economy in the agri-food sector. <i>Journal of Cleaner Production</i> , 2019, 233, 1123-1132.	4.6	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. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2549-2564.	2.6	23
9	Lightweight automotive components based on nanodiamond-reinforced aluminium alloy: A technical and environmental evaluation. <i>Diamond and Related Materials</i> , 2019, 92, 174-186.	1.8	30
10	High-temperature PCM-based thermal energy storage for industrial furnaces installed in energy-intensive industries. <i>Energy</i> , 2019, 173, 1030-1040.	4.5	72
11	Retrofitting strategies for improving the energy and environmental efficiency in industrial furnaces: A case study in the aluminium sector. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1813-1822.	8.2	29
12	Implementation of PEF Treatment at Real-Scale Tomatoes Processing Considering LCA Methodology as an Innovation Strategy in the Agri-Food Sector. <i>Sustainability</i> , 2018, 10, 979.	1.6	41
13	Accumulation of De-Icing Salt and Leaching in Spanish Soils Surrounding Roadways. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1498.	1.2	20
14	Hybrid diagnosis to characterise the energy and environmental enhancement of photovoltaic modules using smart materials. <i>Energy</i> , 2016, 101, 174-189.	4.5	53
15	Evaluation of the steel slag incorporation as coarse aggregate for road construction: technical requirements and environmental impact assessment. <i>Journal of Cleaner Production</i> , 2016, 130, 175-186.	4.6	127
16	Integration of environmental indicators in the optimization of industrial energy management using phase change materials. <i>Energy Conversion and Management</i> , 2015, 104, 67-77.	4.4	20
17	Utilization of Ladle Furnace slag from a steelwork for laboratory scale production of Portland cement. <i>Construction and Building Materials</i> , 2015, 94, 837-843.	3.2	73
18	Carbon footprint of a thermal energy storage system using phase change materials for industrial energy recovery to reduce the fossil fuel consumption. <i>Applied Energy</i> , 2014, 135, 616-624.	5.1	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.	3.9	22
20	Simultaneous production of H ₂ and C ₂ hydrocarbons by using a novel configuration solid-electrolyte fixed bed reactor. International Journal of Hydrogen Energy, 2013, 38, 3111-3122.	3.8	13
21	Coupling catalysis and gas phase electrocatalysis for the simultaneous production and separation of pure H ₂ and C ₂ hydrocarbons from methane and natural gas. Applied Catalysis B: Environmental, 2013, 142-143, 298-306.	10.8	10
22	Ce-Doped La ₂ O ₃ based catalyst for the oxidative coupling of methane. Catalysis Communications, 2013, 42, 50-53.	1.6	65
23	Fuel Cells: Cogeneration of C ₂ Hydrocarbons or Simultaneous Production/Separation of H ₂ and C ₂ Hydrocarbons. Advanced Structured Materials, 2013, , 221-239.	0.3	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.	1.8	96