

Francesco Delloro

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

188
citations

1478505

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1125743

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g-index

22
all docs

22
docs citations

22
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold Spraying of Armstrong Process Titanium Powder for Additive Manufacturing. Journal of Thermal Spray Technology, 2017, 26, 598-609.	3.1	71
2	Effect of the Cold-Sprayed Aluminum Coating-Substrate Interface Morphology on Bond Strength for Aircraft Repair Application. Journal of Thermal Spray Technology, 2017, 26, 671-686.	3.1	29
3	Simulation study about the geometry of electrode-electrolyte contact in a SOFC. Journal of Electroceramics, 2012, 29, 216-224.	2.0	14
4	Multiscale Experimental and Numerical Approach to the Powder Particle Shape Effect on Al-Al ₂ O ₃ Coating Build-Up. Journal of Thermal Spray Technology, 2017, 26, 1445-1460.	3.1	11
5	A Morphological Approach to the Modeling of the Cold Spray Process. Journal of Thermal Spray Technology, 2017, 26, 1838-1850.	3.1	9
6	Corrugated Electrode/Electrolyte Interfaces in SOFC: Theoretical and Experimental Development. ECS Transactions, 2017, 78, 1851-1863.	0.5	8
7	Architected Interfaces and Electrochemical Modelling in an Anode Supported SOFC. ECS Transactions, 2015, 68, 2961-2969.	0.5	7
8	A Finite Elements Study on Porosity Creation Mechanisms in Cold Sprayed Coatings. Key Engineering Materials, 0, 813, 358-363.	0.4	6
9	Mathematical Modelling of Mass and Charge Transport and Reaction in the Central Membrane of the IDEAL-Cell. ECS Transactions, 2009, 25, 1295-1304.	0.5	4
10	Cold spray under the banner of thermal spray in the whirlwind of additive manufacturing. Surface Engineering, 0, , 1-6.	2.2	4
11	A novel manufacturing route for integrated 3D-printed composites and cold-sprayed metallic layer. Materials and Manufacturing Processes, 2022, 37, 568-581.	4.7	4
12	Tribological performance of thermally sprayed NiWCrBSi alloy coating by two different oxyacetylene flame stoichiometries. Transactions of the Institute of Metal Finishing, 2021, 99, 313-323.	1.3	4
13	Mathematical Modeling and Simulation for Optimization of IDEAL-Cell Performance. ECS Transactions, 2011, 35, 883-893.	0.5	3
14	Proof of Concept for the Dual Membrane Cell. Journal of the Electrochemical Society, 2013, 160, F367-F374.	2.9	3
15	An Artistic Approach to Thermal Spray. Materials Science Forum, 2016, 879, 15-28.	0.3	3
16	Reduced foraging investment as an adaptation to patchy food sources: A phasic army ant simulation. Journal of Theoretical Biology, 2017, 428, 48-55.	1.7	2
17	A Laser Shock Approach to Cold Spray. Materials Science Forum, 2018, 941, 1833-1840.	0.3	2
18	Advanced Modeling and Simulation Tools to Address Build-Up Issues in Additive Manufacturing by Cold Spray. Materials Forming, Machining and Tribology, 2020, , 129-175.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Microstructure analysis and mechanical characterisation of NiWCrBSi coatings produced by flame spraying. Metallurgical Research and Technology, 2022, 119, 403.	0.7	2
20	SOFC 5â€%kW_e CHP Field Unit: Effect of the Methane Dilution. Fuel Cells, 2010, 10, 453-462.	2.4	0