

# Francesco Delloro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3864729/publications.pdf>

Version: 2024-02-01

20  
papers

188  
citations

1478505

6  
h-index

1125743

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

176  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel manufacturing route for integrated 3D-printed composites and cold-sprayed metallic layer. <i>Materials and Manufacturing Processes</i> , 2022, 37, 568-581.	4.7	4
2	Microstructure analysis and mechanical characterisation of NiWCrBSi coatings produced by flame spraying. <i>Metallurgical Research and Technology</i> , 2022, 119, 403.	0.7	2
3	Tribological performance of thermally sprayed NiWCrBSi alloy coating by two different oxyacetylene flame stoichiometries. <i>Transactions of the Institute of Metal Finishing</i> , 2021, 99, 313-323.	1.3	4
4	Advanced Modeling and Simulation Tools to Address Build-Up Issues in Additive Manufacturing by Cold Spray. <i>Materials Forming, Machining and Tribology</i> , 2020, , 129-175.	1.1	2
5	A Laser Shock Approach to Cold Spray. <i>Materials Science Forum</i> , 2018, 941, 1833-1840.	0.3	2
6	Effect of the Cold-Sprayed Aluminum Coating-Substrate Interface Morphology on Bond Strength for Aircraft Repair Application. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 671-686.	3.1	29
7	Reduced foraging investment as an adaptation to patchy food sources: A phasic army ant simulation. <i>Journal of Theoretical Biology</i> , 2017, 428, 48-55.	1.7	2
8	Cold Spraying of Armstrong Process Titanium Powder for Additive Manufacturing. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 598-609.	3.1	71
9	A Morphological Approach to the Modeling of the Cold Spray Process. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1838-1850.	3.1	9
10	Multiscale Experimental and Numerical Approach to the Powder Particle Shape Effect on Al-Al <sub>2</sub> O <sub>3</sub> Coating Build-Up. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1445-1460.	3.1	11
11	Corrugated Electrode/Electrolyte Interfaces in SOFC: Theoretical and Experimental Development. <i>ECS Transactions</i> , 2017, 78, 1851-1863.	0.5	8
12	An Artistic Approach to Thermal Spray. <i>Materials Science Forum</i> , 2016, 879, 15-28.	0.3	3
13	Architected Interfaces and Electrochemical Modelling in an Anode Supported SOFC. <i>ECS Transactions</i> , 2015, 68, 2961-2969.	0.5	7
14	Proof of Concept for the Dual Membrane Cell. <i>Journal of the Electrochemical Society</i> , 2013, 160, F367-F374.	2.9	3
15	Simulation study about the geometry of electrode-electrolyte contact in a SOFC. <i>Journal of Electroceramics</i> , 2012, 29, 216-224.	2.0	14
16	Mathematical Modeling and Simulation for Optimization of IDEAL-Cell Performance. <i>ECS Transactions</i> , 2011, 35, 883-893.	0.5	3
17	SOFC 5â€‰kW<sub>e</sub> CHP Field Unit: Effect of the Methane Dilution. <i>Fuel Cells</i> , 2010, 10, 453-462.	2.4	0
18	Mathematical Modelling of Mass and Charge Transport and Reaction in the Central Membrane of the IDEAL-Cell. <i>ECS Transactions</i> , 2009, 25, 1295-1304.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Cold spray under the banner of thermal spray in the whirlwind of additive manufacturing. Surface Engineering, 0, , 1-6.	2.2	4
20	A Finite Elements Study on Porosity Creation Mechanisms in Cold Sprayed Coatings. Key Engineering Materials, 0, 813, 358-363.	0.4	6