

# Atieh Moridi

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,721  
citations

516681

16  
h-index

526264

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser based directed energy deposition system for operando synchrotron x-ray experiments. Review of Scientific Instruments, 2022, 93, .	1.3	3
2	Data-Driven Approaches Toward Smarter Additive Manufacturing. Advanced Intelligent Systems, 2021, 3, 2100014.	6.1	21
3	Exploiting lack of fusion defects for microstructural engineering in additive manufacturing. Additive Manufacturing, 2021, 48, 102399.	3.0	10
4	Wear rate of titanium matrix composite coating at high temperature further increased by non-stoichiometric Ti <sub>3</sub> C oxidation. Ceramics International, 2020, 46, 8068-8074.	4.8	20
5	Solid-state additive manufacturing of porous Ti-6Al-4V by supersonic impact. Applied Materials Today, 2020, 21, 100865.	4.3	15
6	Materials and manufacturing renaissance: Additive manufacturing of high-entropy alloys. Journal of Materials Research, 2020, 35, 1963-1983.	2.6	48
7	Biomedical Applications of Metal Additive Manufacturing: Current State-of-the-Art and Future Perspective. American Journal of Biomedical Science & Research, 2020, 7, 6-10.	0.2	8
8	State of the Art in Directed Energy Deposition: From Additive Manufacturing to Materials Design. Coatings, 2019, 9, 418.	2.6	326
9	Deformation and failure mechanisms of Ti-6Al-4V as built by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 768, 138456.	5.6	82
10	Modeling Cold Spray. SpringerBriefs in Applied Sciences and Technology, 2017, , 33-75.	0.4	2
11	Critical review of corrosion protection by cold spray coatings. Surface Engineering, 2015, 31, 803-815.	2.2	105
12	Fatigue behavior of cold spray coatings: The effect of conventional and severe shot peening as pre-/post-treatment. Surface and Coatings Technology, 2015, 283, 247-254.	4.8	71
13	On Fatigue Behavior of Cold Spray Coating. Materials Research Society Symposia Proceedings, 2014, 1650, 1.	0.1	11
14	The effect of nitriding, severe shot peening and their combination on the fatigue behavior and micro-structure of a low-alloy steel. International Journal of Fatigue, 2014, 62, 67-76.	5.7	106
15	Thermo-mechanical stress analysis of thermal barrier coating system considering thickness and roughness effects. Surface and Coatings Technology, 2014, 243, 91-99.	4.8	82
16	Nitriding duration reduction without sacrificing mechanical characteristics and fatigue behavior: The beneficial effect of surface nano-crystallization by prior severe shot peening. Materials & Design, 2014, 55, 492-498.	5.1	59
17	Number of Passes and Thickness Effect on Mechanical Characteristics of Cold Spray Coating. Procedia Engineering, 2014, 74, 449-459.	1.2	42
18	Cold spray coating: review of material systems and future perspectives. Surface Engineering, 2014, 30, 369-395.	2.2	538

#	ARTICLE	IF	CITATIONS
19	From conventional to severe shot peening to generate nanostructured surface layer: A numerical study. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012038.	0.6	12
20	Effect of Cold Spray Deposition of Similar Material on Fatigue Behavior of Al 6082 Alloy. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 51-57.	0.5	10
21	Optimization of Air Plasma Sprayed Thermal Barrier Coating Parameters in Diesel Engine Applications. Journal of Materials Engineering and Performance, 2013, 22, 3530-3538.	2.5	20
22	A hybrid approach to determine critical and erosion velocities in the cold spray process. Applied Surface Science, 2013, 273, 617-624.	6.1	48
23	Optimal experiment design for plasma thermal spray parameters at bending loads. International Journal of Surface Science and Engineering, 2012, 6, 3.	0.4	10
24	The effect of shot peening on fatigue life of welded tubular joint in offshore structure. Materials & Design, 2012, 36, 250-257.	5.1	35
25	Fatigue Properties of a Low-Alloy Steel with a Nano-Structured Surface Layer Obtained by Severe Mechanical Treatments. Key Engineering Materials, 0, 577-578, 469-472.	0.4	8