Mostafa Hassani-Gangaraj

List of Publications by Year
in descending order

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21	1,008	567281 15	713466 21
papers	citations	h-index	g-index

21	21	21	512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact and bonding behavior of core-shell powder particles. Surface and Coatings Technology, 2022, 441, 128591.	4.8	6
2	Unravelling the deposition mechanism of brittle particles in metal matrix composites fabricated via cold spray additive manufacturing. Scripta Materialia, 2021, 194, 113614.	5.2	20
3	High-velocity micro-projectile impact testing. Applied Physics Reviews, 2021, 8, .	11.3	46
4	Synchrotron X-ray diffraction studies of the phase-specific deformation in additively manufactured Niâ€“CrC composites. Composites Part B: Engineering, 2021, 222, 109086.	12.0	6
5	High-Temperature Wear Behavior of Cobalt Matrix Composites Reinforced by LaF3 and CeO2. Tribology Letters, 2021, 69, 1.	2.6	10
6	Material hardness at strain rates beyond 106 sâ^'1 via high velocity microparticle impact indentation. Scripta Materialia, 2020, 177, 198-202.	5.2	44
7	A Review of the Mechanical and Tribological Behavior of Cold Spray Metal Matrix Composites. Journal of Thermal Spray Technology, 2020, 29, 1565-1608.	3.1	65
8	CoCrNi matrix high-temperature wear resistant composites with micro- and nano-Al2O3 reinforcement. Composites Communications, 2020, 22, 100461.	6.3	22
9	Particle size effects in metallic microparticle impact-bonding. Acta Materialia, 2020, 194, 40-48.	7.9	42
10	Surface oxide and hydroxide effects on aluminum microparticle impact bonding. Acta Materialia, 2020, 197, 28-39.	7.9	32
11	Effect of Ni, W and Mo on the microstructure, phases and high-temperature sliding wear performance of CoCr matrix alloys. Science and Technology of Advanced Materials, 2020, 21, 229-241.	6.1	16
12	Microparticle impact-bonding modes for mismatched metals: From co-deformation to splatting and penetration. Acta Materialia, 2020, 199, 480-494.	7.9	31
13	Ultra-High Strain Rate Constitutive Modeling of Pure Titanium Using Particle Impact Test. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	14
14	Glass fracture by focusing of laser-generated nanosecond surface acoustic waves. Scripta Materialia, 2019, 158, 42-45.	5.2	10
15	Response to Comment on â€œAdiabatic shear instability is not necessary for adhesion in cold sprayâ€• Scripta Materialia, 2019, 162, 515-519.	5.2	54
16	Impact-bonding with aluminum, silver, and gold microparticles: Toward understanding the role of native oxide layer. Applied Surface Science, 2019, 476, 528-532.	6.1	60
17	In-situ observations of single micro-particle impact bonding. Scripta Materialia, 2018, 145, 9-13.	5.2	162
18	Melt-driven erosion in microparticle impact. Nature Communications, 2018, 9, 5077.	12.8	71

#	Article	IF	Citations
19	Adiabatic shear instability is not necessary for adhesion in cold spray. Acta Materialia, 2018, 158, 430-439.	7.9	213
20	Granular shape memory ceramic packings. Acta Materialia, 2017, 132, 455-466.	7.9	20
21	Melting Can Hinder Impact-Induced Adhesion. Physical Review Letters, 2017, 119, 175701.	7.8	64