

Adrian Wei-Yee Tan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of coating thickness on microstructure, mechanical properties and fracture behaviour of cold sprayed Ti6Al4V coatings on Ti6Al4V substrates. <i>Surface and Coatings Technology</i> , 2018, 349, 303-317.	4.8	63
2	Effects of Traverse Scanning Speed of Spray Nozzle on the Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1484-1497.	3.1	60
3	Understanding the microstructural evolution of cold sprayed Ti-6Al-4V coatings on Ti-6Al-4V substrates. <i>Applied Surface Science</i> , 2018, 459, 492-504.	6.1	52
4	Post-Process Treatments on Supersonic Cold Sprayed Coatings: A Review. <i>Coatings</i> , 2020, 10, 123.	2.6	50
5	Improving microstructural and mechanical characteristics of cold-sprayed Inconel 718 deposits via local induction heat treatment. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1268-1279.	5.5	35
6	Influence of Particle Velocity When Propelled Using N2 or N2-He Mixed Gas on the Properties of Cold-Sprayed Ti6Al4V Coatings. <i>Coatings</i> , 2018, 8, 327.	2.6	30
7	Tribological behavior of cold sprayed Inconel 718 coatings at room and elevated temperatures. <i>Surface and Coatings Technology</i> , 2020, 385, 125386.	4.8	27
8	Effect of Substrate Surface Roughness on Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings on Ti6Al4V Substrates. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1959-1973.	3.1	25
9	Evaluation of cold sprayed graphene nanoplates-Inconel 718 composite coatings. <i>Surface and Coatings Technology</i> , 2019, 378, 125065.	4.8	24
10	Coupled Eulerian-Lagrangian (CEL) simulation of multiple particle impact during Metal Cold Spray process for coating porosity prediction. <i>Surface and Coatings Technology</i> , 2020, 385, 125433.	4.8	19
11	An investigation into microstructure, tribological and mechanical properties of cold sprayed Inconel 625 coatings. <i>Surface and Coatings Technology</i> , 2021, 424, 127660.	4.8	19
12	Correlation between the macroscopic adhesion strength of cold spray coating and the microscopic single-particle bonding behaviour: Simulation, experiment and prediction. <i>Applied Surface Science</i> , 2021, 547, 149165.	6.1	17
13	Muscle-like high-stress dielectric elastomer actuators with oil capsules. <i>Smart Materials and Structures</i> , 2014, 23, 105006.	3.5	16
14	Inconel 713C Coating by Cold Spray for Surface Enhancement of Inconel 718. <i>Metals</i> , 2021, 11, 2048.	2.3	12
15	Cold Spray of Nickel-Based Alloy Coating on Cast Iron for Restoration and Surface Enhancement. <i>Coatings</i> , 2022, 12, 765.	2.6	7
16	Solution and Double Aging Treatments of Cold Sprayed Inconel 718 Coatings. <i>Coatings</i> , 2022, 12, 347.	2.6	2