

# Ryan Cottam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10734428/publications.pdf>

Version: 2024-02-01

9  
papers

199  
citations

1478505

6  
h-index

1720034

7  
g-index

9  
all docs

9  
docs citations

9  
times ranked

307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of microstructure and residual stress in a 3D H13 tool steel component produced by additive manufacturing. <i>Journal of Materials Research</i> , 2014, 29, 1978-1986.	2.6	69
2	Laser Cladding of Ti-6Al-4V Powder on Ti-6Al-4V Substrate: Effect of Laser Cladding Parameters on Microstructure. <i>Physics Procedia</i> , 2011, 12, 323-329.	1.2	41
3	Fatigue life of laser clad hardfacing alloys on AISI 4130 steel under rotary bending fatigue test. <i>International Journal of Fatigue</i> , 2015, 72, 42-52.	5.7	30
4	Diffraction Line Profile Analysis of 3D Wedge Samples of Ti-6Al-4V Fabricated Using Four Different Additive Manufacturing Processes. <i>Metals</i> , 2019, 9, 60.	2.3	23
5	Evaluation of Microstructure and Mechanical Properties at the Interface Region of Laser-Clad Stellite 6 on Steel Using Nanoindentation. <i>Metallography, Microstructure, and Analysis</i> , 2013, 2, 328-336.	1.0	16
6	Mechanical properties of a novel plymetal manufactured by laser-assisted direct metal deposition. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 1839-1849.	3.0	8
7	The Role of Metallurgical Solid State Phase Transformations on the Formation of Residual Stress in Laser Cladding and Heating. <i>Materials Science Forum</i> , 0, 777, 19-24.	0.3	7
8	The Effect of Laser Cladding Deposition Rate on Residual Stress Formation in Ti-6Al-4V Clad Layers. <i>Key Engineering Materials</i> , 2012, 520, 309-313.	0.4	4
9	Potential application and certification of laser cladding technology for repair of ageing aircraft components. , 2011, , .		1