

Chen-Wu Wu

List of Publications by Year in descending order

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papers

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34
all docs

34
docs citations

34
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on residual stress in selective laser melting additive manufacturing of alloy parts. Optics and Laser Technology, 2020, 129, 106283.	4.6	165
2	Ablation behaviors of carbon reinforced polymer composites by laser of different operation modes. Optics and Laser Technology, 2015, 73, 23-28.	4.6	55
3	Interlaminar damage of carbon fiber reinforced polymer composite laminate under continuous wave laser irradiation. Optics and Lasers in Engineering, 2017, 88, 91-101.	3.8	29
4	The effect of periodic segmentation cracks on the interfacial debonding: Study on interfacial stresses. Surface and Coatings Technology, 2006, 201, 287-291.	4.8	20
5	Effect of splat-interface discontinuity on effective thermal conductivity of plasma sprayed thermal barrier coating. Ceramics International, 2020, 46, 4824-4831.	4.8	15
6	A coupled model on energy conversion in laser power beaming. Journal of Power Sources, 2018, 393, 211-216.	7.8	13
7	Thermal analysis of film photovoltaic cell subjected to dual laser beam irradiation. Applied Thermal Engineering, 2015, 88, 410-417.	6.0	11
8	Thermal analysis on multijunction photovoltaic cell under oblique incident laser irradiation. Energy, 2017, 134, 248-255.	8.8	9
9	The Design and Application of a Novel Duplex Coating Formed by Laser Pre-Treatment. Solid State Phenomena, 2006, 118, 243-246.	0.3	8
10	Microstructure Dependence of Effective Thermal Conductivity of EB-PVD TBCs. Materials, 2021, 14, 1838.	2.9	8
11	Interface delamination of the thermal barrier coating subjected to local heating. Science China Technological Sciences, 2010, 53, 3168-3174.	4.0	7
12	Model on thermal conductivity prediction of quasi-columnar structured coating by plasma spray physical vapor deposition. Ceramics International, 2021, 47, 27420-27429.	4.8	7
13	Study on performance degradation and damage modes of thin-film photovoltaic cell subjected to particle impact. Scientific Reports, 2021, 11, 782.	3.3	5
14	On the interaction of channeling/segmentation cracks of coating: Study on the critical spacing. Engineering Fracture Mechanics, 2008, 75, 2531-2541.	4.3	4
15	On a novel method of impact by a front-end-coated bullet to evaluate the interface adhesion between film and substrate. Progress in Organic Coatings, 2010, 68, 19-22.	3.9	4
16	Micro-scale thermodynamic model of microstructure and stress evolution in parts via selective laser melting. Journal of Materials Science, 2022, 57, 11918-11933.	3.7	4
17	On the tensile behaviors of a hard chromium coating plated on a steel substrate with periodic subsurface inclusions. Surface and Coatings Technology, 2007, 201, 7699-7705.	4.8	3
18	Laser heating induced plastic deformation in a pre-elastic-stretched titanium alloy strip. Optics and Laser Technology, 2013, 45, 558-564.	4.6	3

#	ARTICLE	IF	CITATIONS
19	Interaction between pulsed infrared laser and carbon fiber reinforced polymer composite laminates. Proceedings of SPIE, 2016, , .	0.8	3
20	Comments on theoretical foundation of "EM Drive". Acta Astronautica, 2018, 144, 214-215.	3.2	3
21	On the formation of periodic segmentation cracks in a coating plated on a substrate with periodic subsurface inclusions. Surface and Coatings Technology, 2006, 201, 2364-2368.	4.8	2
22	On the cyclic bending behaviour of a hard coating on a ductile substrate with periodic surface hardened regions. International Journal of Solids and Structures, 2008, 45, 5661-5674.	2.7	2
23	Transient coupled model on efficiency prediction of laser power beaming for aerostat. Optics and Laser Technology, 2020, 127, 106140.	4.6	2
24	Design of a milli-newton force balance for hypersonic rarefied wind tunnel. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110006.	5.0	2
25	Behaviors of photovoltaic cells illuminated by a laser of different operation modes. Applied Optics, 2022, 61, 5728.	1.8	2
26	Characterising of internal stresses in duplex coating by FEM. Surface Engineering, 2007, 23, 291-294.	2.2	1
27	Evaluation of film-substrate adhesion via impact using coated bullets. Journal of Mechanics of Materials and Structures, 2009, 4, 1703-1709.	0.6	1
28	Inverse estimation of near-field temperature and surface heat flux via single point temperature measurement. Heat and Mass Transfer, 2017, 53, 439-450.	2.1	0
29	Thermo-mechanical responses of cracked quasi-transparent film to laser irradiation. Engineering Fracture Mechanics, 2018, 199, 582-594.	4.3	0
30	Film Residual Stress Assessment Method via Temporarily Thermal Relaxation. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 267-276.	0.5	0
31	Effect of Residual Stress on Spallation of NiCrBSi Coating. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 229-234.	0.5	0
32	Invariant in variants. Ultrasonics, 2022, 124, 106749.	3.9	0