

Chen-Wu Wu

List of Publications by Year in descending order

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34
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-scale thermodynamic model of microstructure and stress evolution in parts via selective laser melting. <i>Journal of Materials Science</i> , 2022, 57, 11918-11933.	3.7	4
2	Invariant in variants. <i>Ultrasonics</i> , 2022, 124, 106749.	3.9	0
3	Behaviors of photovoltaic cells illuminated by a laser of different operation modes. <i>Applied Optics</i> , 2022, 61, 5728.	1.8	2
4	Study on performance degradation and damage modes of thin-film photovoltaic cell subjected to particle impact. <i>Scientific Reports</i> , 2021, 11, 782.	3.3	5
5	Microstructure Dependence of Effective Thermal Conductivity of EB-PVD TBCs. <i>Materials</i> , 2021, 14, 1838.	2.9	8
6	Model on thermal conductivity prediction of quasi-columnar structured coating by plasma spray physical vapor deposition. <i>Ceramics International</i> , 2021, 47, 27420-27429.	4.8	7
7	Design of a milli-newton force balance for hypersonic rarefied wind tunnel. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 185, 110006.	5.0	2
8	Effect of splat-interface discontinuity on effective thermal conductivity of plasma sprayed thermal barrier coating. <i>Ceramics International</i> , 2020, 46, 4824-4831.	4.8	15
9	Transient coupled model on efficiency prediction of laser power beaming for aerostat. <i>Optics and Laser Technology</i> , 2020, 127, 106140.	4.6	2
10	Review on residual stress in selective laser melting additive manufacturing of alloy parts. <i>Optics and Laser Technology</i> , 2020, 129, 106283.	4.6	165
11	Comments on theoretical foundation of "EM Drive". <i>Acta Astronautica</i> , 2018, 144, 214-215.	3.2	3
12	A coupled model on energy conversion in laser power beaming. <i>Journal of Power Sources</i> , 2018, 393, 211-216.	7.8	13
13	Thermo-mechanical responses of cracked quasi-transparent film to laser irradiation. <i>Engineering Fracture Mechanics</i> , 2018, 199, 582-594.	4.3	0
14	Inverse estimation of near-field temperature and surface heat flux via single point temperature measurement. <i>Heat and Mass Transfer</i> , 2017, 53, 439-450.	2.1	0
15	Interlaminar damage of carbon fiber reinforced polymer composite laminate under continuous wave laser irradiation. <i>Optics and Lasers in Engineering</i> , 2017, 88, 91-101.	3.8	29
16	Thermal analysis on multijunction photovoltaic cell under oblique incident laser irradiation. <i>Energy</i> , 2017, 134, 248-255.	8.8	9
17	Interaction between pulsed infrared laser and carbon fiber reinforced polymer composite laminates. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
18	Ablation behaviors of carbon reinforced polymer composites by laser of different operation modes. <i>Optics and Laser Technology</i> , 2015, 73, 23-28.	4.6	55

#	ARTICLE	IF	CITATIONS
19	Thermal analysis of film photovoltaic cell subjected to dual laser beam irradiation. Applied Thermal Engineering, 2015, 88, 410-417.	6.0	11
20	Effect of Residual Stress on Spallation of NiCrBSi Coating. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 229-234.	0.5	0
21	Laser heating induced plastic deformation in a pre-elastic-stretched titanium alloy strip. Optics and Laser Technology, 2013, 45, 558-564.	4.6	3
22	Film Residual Stress Assessment Method via Temporarily Thermal Relaxation. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 267-276.	0.5	0
23	Interface delamination of the thermal barrier coating subjected to local heating. Science China Technological Sciences, 2010, 53, 3168-3174.	4.0	7
24	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
25	Evaluation of film-substrate adhesion via impact using coated bullets. Journal of Mechanics of Materials and Structures, 2009, 4, 1703-1709.	0.6	1
26	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
27	On the interaction of channeling/segmentation cracks of coating: Study on the critical spacing. Engineering Fracture Mechanics, 2008, 75, 2531-2541.	4.3	4
28	Characterising of internal stresses in duplex coating by FEM. Surface Engineering, 2007, 23, 291-294.	2.2	1
29	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
30	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
31	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
32	The Design and Application of a Novel Duplex Coating Formed by Laser Pre-Treatment. Solid State Phenomena, 2006, 118, 243-246.	0.3	8