

Rudimar Riva

List of Publications by Year in descending order

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51
papers

538
citations

687363

13
h-index

713466

21
g-index

52
all docs

52
docs citations

52
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Map of surface hardening of the DP600 steel using the Yb: fiber laser, and force spectroscopy characterization. Journal of Materials Research, 2021, 36, 949-960.	2.6	1
2	Production and characterization of laser cladding coating of Fe66Co7Nb4B23 (at.%) gas-atomized and ball-milled powders. Journal of Materials Research and Technology, 2021, 14, 2267-2280.	5.8	4
3	Influence of Si Coating on Interfacial Microstructure of Laser Joining of Titanium and Aluminium Alloys. Materials Research, 2018, 21, .	1.3	3
4	A crack propagation study on T-joints of AA6013-T4 aluminum alloy welded by an Yb: fiber laser. International Journal of Advanced Manufacturing Technology, 2017, 92, 2831-2841.	3.0	5
5	An assessment of microstructure and properties of laser clad coatings of ultrafine eutectic $\hat{1}^2$ Ti-Fe-Nb-Sn composite for implants. Surface and Coatings Technology, 2017, 328, 161-171.	4.8	11
6	Optical beam deflection sensor: design and experiments. Applied Optics, 2017, 56, 8005.	1.8	2
7	Laser Cladding of Fe-based Metallic Glass/MoS ₂ Self-lubricating Composites: Effect of Power and Scanning Speed. Materials Research, 2017, 20, 836-841.	1.3	3
8	Metallic Glass Formation Upon Rapid Solidification of Fe ₆₀ Cr ₈ Nb ₈ B ₂₄ (at%) Alloy through LASER Cladding and Remelting. Materials Research, 2017, 20, 580-587.	1.3	9
9	Non-contact sheet forming using lasers applied to a high strength aluminum alloy. Journal of Materials Research and Technology, 2016, 5, 275-281.	5.8	6
10	Comparing mechanical behaviour of aluminium welds produced by laser beam welding (LBW), friction stir welding (FSW), and riveting for aeronautical structures. Welding International, 2016, 30, 497-503.	0.7	14
11	Experimental and numerical analyses of laser remelted Sn \hat{e} “0.7 \hat{A} wt%Cu solder surfaces. Journal of Materials Science: Materials in Electronics, 2015, 26, 3100-3107.	2.2	0
12	One-sided laser beam welding of autogenous T-joints for 6013-T4 aluminium alloy. Materials & Design, 2015, 65, 726-736.	5.1	35
13	Mechanical and microstructural characterization of laser-welded joints of 6013-T4 aluminum alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 133-140.	1.6	22
14	Scattered light imaging method (SLIM) for characterization of arbitrary laser beam intensity profiles. Applied Optics, 2014, 53, 4555.	1.8	22
15	Yb: fiber laser surface texturing of stainless steel substrate, with MCrAlY deposition and CO ₂ laser treatment. Surface and Coatings Technology, 2014, 260, 251-259.	4.8	8
16	Compara \hat{S} “o das propriedades mec \hat{A} “nicas de juntas de alum \hat{A} nio obtidas por soldagem a laser (LBW), por friction stir welding (FSW) e rebitadas para aplica \hat{S} “o em estruturas aeron \hat{A} uticas. Soldagem E Inspecao, 2014, 19, 145-151.	0.6	0
17	Influence of laser surface treated on the characterization and corrosion behavior of Al \hat{e} “Fe aerospace alloys. Applied Surface Science, 2013, 276, 76-85.	6.1	26
18	Laser Processing of Carbon Fiber Reinforced Polymer Composite for Optical Fiber Guidelines. Physics Procedia, 2013, 41, 572-580.	1.2	19

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19	Laser ablation of copper followed by an accelerating potential: a TOF analysis. Proceedings of SPIE, 2013, , .	0.8	0
20	AFM study of the effects of laser surface remelting on the morphology of Al-Fe aerospace alloys. Materials Characterization, 2012, 74, 64-76.	4.4	37
21	Yb-fiber laser beam effects on the surface modification of Al-Fe aerospace alloy obtaining weld file structures, low fine porosity and corrosion resistance. Surface and Coatings Technology, 2012, 206, 2293-2301.	4.8	42
22	Generation of an atomic beam by using laser ablation for isotope separation purposes. Journal of Aerospace Technology and Management, 2012, 4, 413-420.	0.3	5
23	Ultrasonic inspection of AA6013 laser welded joints. Materials Research, 2011, 14, 417-422.	1.3	11
24	Laser remelting of Al-1.5 wt%Fe alloy surfaces: Numerical and experimental analyses. Optics and Lasers in Engineering, 2011, 49, 490-497.	3.8	33
25	Influence of laser surface texturing on surface microstructure and mechanical properties of adhesive joined steel sheets. Surface Engineering, 2009, 25, 180-186.	2.2	17
26	Characterization of a laser-soldered avionic component using lead-free paste. Optics and Laser Technology, 2009, 41, 159-164.	4.6	7
27	Laser beam welding aerospace aluminum using fiber lasers. Proceedings of SPIE, 2008, , .	0.8	4
28	Laser surface remelting and hardening of an automotive shaft using a high-power fiber laser. Materials Research, 2007, 10, 461-467.	1.3	19
29	Real-time measurement of laser beam quality factor (M2) by imaging transverse scattered light. , 2007, , .		9
30	Cavity generation in dental enamel using a copper-HyBRID laser. Journal of Materials Science: Materials in Medicine, 2007, 18, 1507-1513.	3.6	1
31	Microstructural analyses of the nanoparticles obtained after laser irradiation of Ti and W in ethanol. Applied Surface Science, 2006, 252, 4420-4424.	6.1	31
32	High beam quality in a HyBRID copper laser operating with an unstable resonator made of a concave mirror and a plano-convex BK7 lens. Optics and Laser Technology, 2006, 38, 523-527.	4.6	4
33	Effects of Copper Vapor Laser Radiation on the Root Canal Wall of Human Teeth: A Scanning Electron Microscope Study. Photomedicine and Laser Surgery, 2005, 23, 317-323.	2.0	2
34	PVDF sensor in laser ablation experiments. Review of Scientific Instruments, 2004, 75, 5213-5215.	1.3	7
35	Effects of Copper Vapor Laser Irradiation ($\lambda = 510.6$ nm) on the Enamel and Dentine of Human Teeth: An Ultra-structural Morphologic Study. Photomedicine and Laser Surgery, 2004, 22, 494-498.	2.0	2
36	Ablation of molybdenum and niobium with a HyBRID copper laser. Applied Surface Science, 2002, 200, 68-75.	6.1	7

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37	Maintaining efficiency of a Cu-HyBrID laser while changing laser parameters. , 2001, , .		2
38	Multi-step photoionization spectroscopy in uranium between 5900 and 6060 Å... using a pulsed hollow-cathode lamp. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3685-3691.	1.5	7
39	Removal of Epulis Fissuratum Associated to Vestibuloplasty with Carbon Dioxide Laser. Lasers in Medical Science, 1999, 14, 203-206.	2.1	15
40	Laser techniques applied to isotope separation of uranium. Progress in Nuclear Energy, 1998, 33, 217-264.	2.9	13
41	<title>Cutting and drilling of CVD diamond using a copper vapor laser</title>. , 1996, 2789, 345.		2
42	Experimental and theoretical investigations of a XeCl phototriggered laser. Journal Physics D: Applied Physics, 1995, 28, 856-872.	2.8	38
43	Spectroscopic diagnostics of the onset of discharge instabilities in a XeCl phototriggered laser. Applied Physics B: Lasers and Optics, 1994, 58, 515-517.	2.2	4
44	<title>Modeling studies of XeCl phototriggered lasers</title>. , 1994, 2206, 254.		1
45	High density self-broadening of neon 3s-3p atomic spectral lines studied by laser absorption spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 4065-4077.	1.5	5
46	Ionization-attachment balance in Ne-HCl pulsed discharges. Journal Physics D: Applied Physics, 1993, 26, 1061-1066.	2.8	7
47	Breakdown delay time in phototriggered discharges. Journal of Applied Physics, 1992, 72, 879-887.	2.5	11
48	A pulsed dye laser with grazing incidence and folded cavity. Applied Physics B: Lasers and Optics, 1989, 49, 73-76.	2.2	5
49	Coated Steel Surfaces with WC by Lasers Action. Materials Science Forum, 0, 727-728, 345-348.	0.3	0
50	High Cycle Fatigue Behavior and Microstructural Characterization of 6013-T4 Aluminum Alloy Laser Welded Joints. Advanced Materials Research, 0, 891-892, 1767-1772.	0.3	0
51	AVALIAÇÃO SUPERFICIAL E MICROESTRUTURAL DE CORDÕES DE SOLDA DE NIÓBIO TRATADOS TERMICAMENTE VIA IMPLANTAÇÃO INTRÍNICA POR IMERSÃO EM PLASMA. , 0, , .		0