

Luciano Moreira

List of Publications by Year in descending order

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68
papers

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1162889

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times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage identification parameters of dual-phase 600–800 steels based on experimental void analysis and finite element simulations. <i>Journal of Materials Research and Technology</i> , 2019, 8, 644-659.	2.6	39
2	Experimental and numerical analysis of the cup drawing test for orthotropic metal sheets. <i>Journal of Materials Processing Technology</i> , 2000, 108, 78-86.	3.1	34
3	Analytical and numerical investigation of wrinkling for deep-drawn anisotropic metal sheets. <i>International Journal of Mechanical Sciences</i> , 2003, 45, 1167-1180.	3.6	26
4	Phase transformation temperatures and Fe enrichment of a 22MnB5 Zn-Fe coated steel under hot stamping conditions. <i>Journal of Materials Research and Technology</i> , 2020, 9, 629-635.	2.6	19
5	Influence of the plasticity model in sheet metal forming simulations. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1596-1603.	3.1	18
6	Phase transformations of the duplex stainless steel UNS S31803 under non-isothermal conditions. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1847-1851.	2.6	15
7	The role of the friction during the equal channel angular pressing of an IF-steel billet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 489, 363-372.	2.6	13
8	Upper-bound analysis of die corner gap formation for strain-hardening materials in ECAP process. <i>Computational Materials Science</i> , 2014, 91, 350-358.	1.4	11
9	Experimental analysis and theoretical predictions of the limit strains of a hot-dip galvanized interstitial-free steel sheet. <i>Materials Research</i> , 2013, 16, 351-366.	0.6	10
10	Numerical modeling of the deformation of AISI 304L using a tangent additive Mori-Tanaka homogenization scheme: Application to sheet metal forming. <i>Journal of Materials Processing Technology</i> , 2016, 235, 187-205.	3.1	10
11	Upper-bound sensitivity analysis of the ECAE process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 2831-2844.	2.6	9
12	Upper-bound and finite-element analyses of non-isothermal ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 546, 180-188.	2.6	9
13	Damage Analysis of Third-Generation Advanced High-Strength Steel Based on the Gurson–Tvergaard–Needleman (GTN) Model. <i>Metals</i> , 2022, 12, 214.	1.0	9
14	Finite element simulations of sheet-metal forming processes for planar-anisotropic materials. <i>International Journal of Mechanical Sciences</i> , 2001, 43, 1833-1852.	3.6	8
15	Modeling, simulation and identification for control of tandem cold metal rolling. <i>Materials Research</i> , 2012, 15, 928-936.	0.6	7
16	Synergistic effects of organoclay Cloisite 15A on recycled polyethylene terephthalate. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13087-13096.	2.6	7
17	Sensitivity analysis of the ECAE process via 2k experiments design. <i>Revista Materia</i> , 2010, 15, 208-217.	0.1	6
18	The Evaluation of Laser Weldability of the Third-Generation Advanced High Strength Steel. <i>Metals</i> , 2019, 9, 1051.	1.0	6

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19	Development of a Device Compatible with Universal Testing Machine to Perform Hole Expansion and Erichsen Cupping Tests. <i>Machines</i> , 2020, 8, 2.	1.2	6
20	Modelling of Forming Limit Strains of AA5083 Aluminium Sheets at Room and High Temperatures. <i>Advanced Materials Research</i> , 0, 1135, 202-217.	0.3	5
21	An equivalent work-hardening description of an interstitial-free steel sheet based on uniaxial tensile and hydraulic bulge tests. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2138-2143.	2.6	5
22	Computer aided development of a bending drawing test for thin metallic sheets. <i>Journal of Materials Processing Technology</i> , 1998, 80-81, 531-537.	3.1	4
23	Experimental analysis and numerical simulations of the mechanical properties of a (Ce,Y)-TZP/Al ₂ O ₃ /H6A ceramic composite containing coupled toughening mechanisms. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 129, 105171.	1.5	4
24	Cyclic Bending and Stationary Drawing Deformation of Metal Sheets : Experiments and Associated Numerical Simulations. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	3
25	Finite element analysis of the tube flow forming process. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2008, 1, 218.	0.1	3
26	Densification Behaviour Modelling for Metallic Powders. <i>Materials Science Forum</i> , 2014, 802, 317-322.	0.3	3
27	Strain-Induced Martensite Formation of AISI 304L Steel Sheet: Experiments and Modeling. <i>Materials Science Forum</i> , 0, 869, 490-496.	0.3	3
28	Experimental Analysis of Forming Limits and Thickness Strains of DP600-800 Steels. <i>Applied Mechanics and Materials</i> , 2016, 835, 230-235.	0.2	3
29	Analysis of the pre-straining effects on the limit strains of interstitial-free steel: experiments and elasto-plastic modeling of strain and stress-based forming limit curves. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	3
30	Modeling the Welding Process of the Low Alloy Ferritic Steels T/P23 and T/P24. <i>Advanced Materials Research</i> , 2012, 476-478, 642-649.	0.3	2
31	Ellipsometric Characterization of AZ31 Magnesium Alloy. <i>Materials Science Forum</i> , 2018, 930, 478-483.	0.3	2
32	Void Formation and Strain-Induced Martensitic Transformation in TRIP780 Steel Sheet Submitted to Uniaxial Tensile Loading. <i>Materials Research</i> , 2019, 22, .	0.6	2
33	A comparison of the structural integrity of steam generator tubes based on deterministic and probabilistic crack acceptance criteria. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	2
34	Forming limit strains of interstitial free-IF steel sheet. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
35	Effects of Strain-Rate and Deformation Mode on Strain-Induced Martensite Transformation of AISI 304L Steel Sheet. <i>Applied Mechanics and Materials</i> , 0, 835, 216-221.	0.2	1
36	Elasto-Plastic Modeling of the Limit Strains in Metallic Sheets. <i>Materials Science Forum</i> , 2016, 869, 532-537.	0.3	1

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37	Micromechanical Modeling of Dual-Phase DP600 Steel Sheet Plastic Behavior Based on a Representative Volume Element Defined from the Real Microstructure. Materials Science Forum, 0, 930, 293-298.	0.3	1
38	Limit Strains Analysis of Advanced High Strength Steels Sheets Based on Surface Roughness Measurements. Materials Science Forum, 0, 930, 349-355.	0.3	1
39	Ellipsometric characterization of surface films on AZ31 magnesium alloy exposed to a Na2SO4 solution. Journal of Materials Research and Technology, 2020, 9, 10175-10183.	2.6	1
40	ANÁLISE EM CONDIÇÕES NÃO ISOTÉRMICAS DE UM AÇO INOXIDÁVEL SUPERDUPLEX ASTM A182 F53 VIA DILATOMETRIA. Tecnologia Em Metalurgia, Materiais E Mineracao, 2019, 16, 518-524.	0.1	1
41	A Numerical Analysis of Thickness Effects on Limit Strains in Metal Sheets. International Journal of Forming Processes, 2005, 8, 49-61.	0.3	1
42	EVOLUÇÃO MICROESTRUTURAL DE UM AÇO IF PRENSADO EM CANAIS EQUIANGULARES. Tecnologia Em Metalurgia E Materiais, 2009, 5, 193-197.	0.1	1
43	Caracterização microestrutural de uma liga Fe-7,1Al-0,7Mn-0,4C-0,3Nb do sistema Fe-Mn-Al-C. Revista Materia, 2022, 27, .	0.1	1
44	Design and Development of a Laboratory Formability Test for Thin Sheets with Numerical Simulation. , 1995, , .		0
45	EVALUATION OF MECHANICAL PROPERTIES OF THE AISI 41B30H STEEL WITH THE CHANGING OF THE VOLUME FRACTION OF FERRITE AND MARTENSITE PHASES BY MEANS DIFFERENT HEAT TREATMENT TEMPERATURES IN THE INTERCRITICAL REGION.. , 2006, , .		0
46	Numerical Modelling of a High-Pressure Type 2 Cylinder for Storing Natural Gás for Vehicles. , 2007, , .		0
47	Análise de deformações-limites em chapas metálicas. Revista Escola De Minas, 2012, 65, 523-530.	0.1	0
48	Digital Image Correlation Technique Applied to the Study of the Plastic Behavior of an Interstitial Free Steel. , 2014, , .		0
49	Non-isothermal analysis of die corner gap formation for materials deformed by multi-pass ECAP. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012035.	0.3	0
50	Strain-Path Effects on the Formability Behavior of Interstitial-Free Steel. Key Engineering Materials, 2015, 651-653, 126-131.	0.4	0
51	Deformations Limits Analysis of Sheet Metal Manufactured through the Incremental Forming Process. Materials Science Forum, 0, 899, 272-277.	0.3	0
52	A Finite Element Analysis for an Iron Ore Pellet Compression Test. Materials Science Forum, 0, 899, 474-477.	0.3	0
53	Micromechanical Modeling of DP600 and DP800 Steels Plastic Behavior Based on the Mori-Tanaka Homogenization Method. Materials Science Forum, 0, 930, 311-316.	0.3	0
54	Pulsed Laser Weldability of the Third Generation Advanced High Strength Steel. , 2021, , 60-73.		0

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55	MODELAGEM ANALÍTICA DA EXTRUSÃO EM CANAIS EQUIANGULARES. Tecnologia Em Metalurgia E Materiais, 2008, 5, 94-99.	0.1	0
56	Modelamento numérico de um cilindro do tipo 2 para armazenamento de GNV. Revista Materia, 2008, 13, 136-146.	0.1	0
57	Método experimental para determinação dos limites de expansão de latas de tráfess peças. Tecnologia Em Metalurgia E Materiais, 2011, 8, 115-121.	0.1	0
58	SIMULAÇÃO NUMÉRICA DO PRIMEIRO PASSE DE LAMINAÇÃO A FRIO DE UMA TIRA DE Aço C-Mn. Tecnologia Em Metalurgia, Materiais E Mineracao, 2013, 10, 35-42.	0.1	0
59	Numerical analysis of the blanking process of Inconel 718 sheets for nuclear fuel spacer grids. , 0, , .		0
60	EVALUATION OF THE STRUCTURAL RELIABILITY OF CRACKED STEAM GENERATOR TUBES BASED ON THE FAILURE DIAGRAM ASSESSMENT. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, , .	0.0	0
61	Finite element simulation of the deep-drawing process of a two-piece tinplate can. , 0, , .		0
62	CURVA LIMITE DE CONFORMAÇÃO INDEPENDENTE DA TRAJETÓRIA DE DEFORMAÇÃO: DESCRIÇÕES NOS ESPAÇOS DE TENSÕES E DE DEFORMAÇÕES. , 0, , .		0
63	Modelamento por elementos finitos do ensaio de expansão de furo dos aços bifásicos DP600 e DP800. , 2018, , .		0
64	SIMULAÇÃO NUMÉRICA DA ESTAMPAGEM DE UMA EMBALAGEM METÁLICA DE DUAS PEÇAS. , 0, , .		0
65	DETERMINAÇÃO DO DIAGRAMA DE TRANSFORMAÇÃO SOB RESFRIAMENTO CONTÍNUO DE UM Aço AO BORO. , 0, , .		0
66	ANÁLISE DE TRANSFORMAÇÕES DE FASES EM CONDIÇÕES NÃO ISOTÉRMICAS DE UM Aço INOXIDÁVEL DUPLEX. , 0, , .		0
67	INFLUÊNCIA DA TEMPERATURA DE RECOZIMENTO INTERCRÍTICO NA FORMAÇÃO DA AUSTENITA PARA PRODUÇÃO DE Aço ASSISTIDO PELO EFEITO TRIP. , 0, , .		0
68	PREDICTION OF THE UNIAXIAL TENSILE PLASTIC BEHAVIOR OF A DEEP-DRAWING QUALITY STEEL USING DIFFERENT WORK-HARDENING EQUATIONS. , 0, , .		0