

Sophie Cazottes

List of Publications by Year in descending order

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44
all docs

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docs citations

44
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citing authors

#	ARTICLE	IF	CITATIONS
19	Rotational-Electron Channeling Contrast Imaging analysis of dislocation structure in fatigued copper single crystal. Scripta Materialia, 2019, 162, 103-107.	5.2	14
20	Origin of Nickel Catalytic Particles in Carbon Nanotube Formation on a High-Carbon 25Cr-35Ni-Nb Cast Alloy. Oxidation of Metals, 2019, 91, 279-290.	2.1	1
21	Analysis of hybrid fracture in β/α titanium alloy with lamellar microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 54-63.	5.6	15
22	Electron CHanneling ORientation Determination (eCHORD): An original approach to crystalline orientation mapping. Ultramicroscopy, 2018, 186, 146-149.	1.9	19
23	Carbon diffusivity and kinetics of spinodal decomposition of martensite in a model Fe-Ni-C alloy. Materials Letters, 2018, 214, 213-216.	2.6	17
24	In situ analysis of plasticity and damage nucleation in a Ti-6Al-4V alloy and laser weld. Materials Characterization, 2018, 146, 81-90.	4.4	17
25	Analysis of shear stress promoting void evolution behavior in an β/α Ti alloy with fully lamellar microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 737, 27-39.	5.6	12
26	Improvement of mechanical, thermal, and corrosion properties of Ni- and Al-free Cu-Zr-Ti metallic glass with yttrium addition. Materialia, 2018, 1, 249-257.	2.7	8
27	A novel approach to investigate delta phase precipitation in cold-rolled 718 alloys. Acta Materialia, 2018, 156, 31-42.	7.9	19
28	Crystallographic Orientation Maps Obtained from Ion and Backscattered Electron Channeling Contrast. Microscopy and Microanalysis, 2017, 23, 552-553.	0.4	0
29	Effect of interstitial carbon distribution and nickel substitution on the tetragonality of martensite: A first-principles study. Intermetallics, 2017, 89, 92-99.	3.9	30
30	Precipitation Kinetics in a Nb-stabilized Ferritic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3655-3664.	2.2	9
31	Microstructural Evolution in 2101 Lean Duplex Stainless Steel During Low- and Intermediate-Temperature Aging. Microscopy and Microanalysis, 2016, 22, 463-473.	0.4	11
32	Characterization and modeling of oxides precipitation in ferritic steels during fast non-isothermal consolidation. Acta Materialia, 2016, 107, 390-403.	7.9	38
33	Constitutive model for nickel alloy 690 (Inconel 690) at various strain rates and temperatures. International Journal of Plasticity, 2016, 80, 139-153.	8.8	37
34	Preventing Abnormal Grain Growth of Austenite in Low Alloy Steels. ISIJ International, 2014, 54, 1927-1934.	1.4	11
35	Correlation between microstructure at fine scale and magnetic properties of magnetoresistive Cu ₈₀ Fe ₁₀ Ni ₁₀ ribbons: Modeling of magnetization. Journal of Magnetism and Magnetic Materials, 2013, 333, 22-29.	2.3	1
36	Annealing Effects on the Structural Properties of FIB Prepared Cu Nanopillars - an in situ TEM study. Microscopy and Microanalysis, 2013, 19, 432-433.	0.4	0

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37	Nanometer Scale Tomographic Investigation of Fine Scale Precipitates in a CuFeNi Granular System by Three-Dimensional Field Ion Microscopy. <i>Microscopy and Microanalysis</i> , 2012, 18, 1129-1134.	0.4	5
38	A Simple Model for Abnormal Grain Growth. <i>ISIJ International</i> , 2012, 52, 2278-2282.	1.4	11
39	Structural characterization of a Cu/MgO(001) interface using CS-corrected HRTEM. <i>Thin Solid Films</i> , 2010, 519, 1662-1667.	1.8	26
40	Can micro-compression testing provide stress-strain data for thin films?. <i>Thin Solid Films</i> , 2009, 518, 1517-1521.	1.8	17
41	Influence of structural parameters on magnetoresistive properties of CuFeNi melt spun ribbons. <i>Ultramicroscopy</i> , 2009, 109, 625-630.	1.9	11
42	Structural and magnetic properties of Cu ₈₀ Fe ₅ Ni ₁₅ granular ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e760-e763.	2.3	12