

Christophe Collard

List of Publications by Year in descending order

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10
papers

151
citations

1478280

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1474057

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g-index

11
all docs

11
docs citations

11
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element and experimental structural analysis of endodontic rotary file made of Cu-based single crystal SMA considering a micromechanical behavior model. International Journal of Solids and Structures, 2021, 221, 180-196.	1.3	4
2	Spark plasma sintering microscopic mechanisms of metallic systems: Experiments and simulations. Journal of the American Ceramic Society, 2019, 102, 654-661.	1.9	8
3	Theoretical and experimental investigations of local overheating at particle contacts in spark plasma sintering. Powder Technology, 2017, 321, 458-470.	2.1	36
4	Simulation of the effect of elastic precipitates in SMA materials based on a micromechanical model. Composites Part B: Engineering, 2012, 43, 2560-2576.	5.9	19
5	Coupling between measured kinematic fields and multicrystal SMA finite element calculations. Mechanics of Materials, 2010, 42, 72-95.	1.7	35
6	Role of discrete intra-granular slip bands on the strain-hardening of polycrystals. International Journal of Plasticity, 2010, 26, 310-328.	4.1	21
7	Dialogue entre exp�rience et simulation num�rique pour un multicristal en alliage m�moire de forme. Mecanique Et Industries, 2009, 10, 267-273.	0.2	0
8	Coupling between experiment and numerical simulation of shape memory alloy multicrystal. , 2009, , .		1
9	Micromechanical analysis of precipitate effects on shape memory alloys behaviour. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 366-370.	2.6	18
10	Asymptotic Analysis of the Stresses in Thin Elastic Shells. Archive for Rational Mechanics and Analysis, 1999, 148, 233-264.	1.1	6