Marion Bechtold

List of Publications by Year
in descending order

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10 papers	2,942 citations	1040056 9 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	2096 citing authors

#	Article	IF	Citations
1	Orientation gradients and geometrically necessary dislocations in ultrafine grained dual-phase steels studied by 2D and 3D EBSD. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2738-2746.	5.6	1,482
2	Deformation and fracture mechanisms in fine- and ultrafine-grained ferrite/martensite dual-phase steels and the effect of aging. Acta Materialia, 2011, 59, 658-670.	7.9	618
3	Experimental and numerical study on geometrically necessary dislocations and non-homogeneous mechanical properties of the ferrite phase in dual phase steels. Acta Materialia, 2011, 59, 4387-4394.	7.9	325
4	Effect of grain refinement to 1Î¼m on strength and toughness of dual-phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7832-7840.	5.6	294
5	Ultrafine Grained Ferrite/Martensite Dual Phase Steel Fabricated by Large Strain Warm Deformation and Subsequent Intercritical Annealing. ISIJ International, 2008, 48, 1096-1101.	1.4	66
6	Microstructure Control during Fabrication of Ultrafine Grained Dual-phase Steel: Characterization and Effect of Intercritical Annealing Parameters. ISIJ International, 2012, 52, 874-883.	1.4	65
7	New insights into crystallographic correlations between ferrite and cementite in lamellar eutectoid structures, obtained by SEMâ€“FEG/EBSD and an indirect two-trace method. Journal of Applied Crystallography, 2007, 40, 849-856.	4.5	41
8	Shift of the eutectoid point in the Feâ€“C binary system by a high magnetic field. Journal Physics D: Applied Physics, 2007, 40, 6501-6506.	2.8	27
9	Influence of Boron on transformation behavior during continuous cooling of low alloyed steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 584, 32-40.	5.6	24
10	On the Correlation between Microstructure Homogeneity and Formability in Two Multi Phase Steels Treated with Different Cooling Strategies. Materials Science Forum, 0, 854, 22-28.	0.3	0