

Antonin Dlouhy

List of Publications by Year in descending order

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9
papers

493
citations

1307594

7
h-index

1588992

8
g-index

9
all docs

9
docs citations

9
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxide dispersion strengthened CoCrFeNiMn high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 252-256.	5.6	138
2	Multiple-step martensitic transformations in Ni-rich NiTi alloys--an in-situ transmission electron microscopy investigation. <i>Philosophical Magazine</i> , 2003, 83, 339-363.	1.6	134
3	Magnetic properties of the CrMnFeCoNi high-entropy alloy. <i>Physical Review B</i> , 2017, 96, .	3.2	124
4	<i>Ab initio</i> study of pressure stabilized NiTi allotropes: Pressure-induced transformations and hysteresis loops. <i>Physical Review B</i> , 2011, 84, .	3.2	34
5	<i>Ab initio</i> study of point defects in NiTi-based alloys. <i>Physical Review B</i> , 2014, 89, .	3.2	28
6	Orientation-related twinning and dislocation glide in a cantor high entropy alloy at room and cryogenic temperature studied by in situ TEM straining. <i>Materials Chemistry and Physics</i> , 2021, 272, 124955.	4.0	16
7	The effect of deviations from precise [001] tensile direction on creep of Ni-base single crystal superalloys. <i>Scripta Materialia</i> , 2022, 207, 114274.	5.2	12
8	Coarsening Kinetics of Y2O3 Dispersoid in New Grade of Fe-Al-Cr-Based ODS Alloy. <i>Metals</i> , 2022, 12, 210.	2.3	7
9	Cores of $1/2\langle 110 \rangle$ -type dislocations in the CrMnFeCoNi high-entropy alloy investigated by STEM, the center of symmetry and the Nye tensor mapping techniques. <i>Microscopy and Microanalysis</i> , 2021, 27, 3098-3099.	0.4	0