

Peter Mullner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11075972/publications.pdf>

Version: 2024-02-01

31
papers

921
citations

623734

14
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Between microscopic and mesoscopic descriptions of twin-twin interaction. International Journal of Materials Research, 2022, 97, 205-216.	0.3	6
2	Systematic Trends of Transformation Temperatures and Crystal Structure of Ni-Mn-Ga-Fe-Cu Alloys. Shape Memory and Superelasticity, 2020, 6, 97-106.	2.2	12
3	Sensitivity of twin boundary movement to sample orientation and magnetic field direction in Ni-Mn-Ga. Acta Materialia, 2020, 186, 389-395.	7.9	9
4	4D printing of net shape parts made from Ni-Mn-Ga magnetic shape-memory alloys. Additive Manufacturing, 2018, 21, 579-588.	3.0	89
5	Localized deformation in Ni-Mn-Ga single crystals. Journal of Applied Physics, 2018, 123, .	2.5	10
6	Efficiency of Energy Harvesting in Ni-Mn-Ga Shape Memory Alloys. Shape Memory and Superelasticity, 2018, 4, 93-101.	2.2	19
7	Effects of surface modifications on the fatigue life of unconstrained Ni-Mn-Ga single crystals in a rotating magnetic field. Acta Materialia, 2018, 155, 175-186.	7.9	13
8	Magnetic Torque in Single Crystal Ni-Mn-Ga. Shape Memory and Superelasticity, 2017, 3, 139-148.	2.2	3
9	Magnetic Shape Memory Micropump for Submicroliter Intracranial Drug Delivery in Rats. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	19
10	Mechanical and magnetic behavior of oligocrystalline Ni-Mn-Ga microwires. Journal of Alloys and Compounds, 2015, 624, 226-233.	5.5	39
11	Fabricating Ni-Mn-Ga microtubes by diffusion of Mn and Ga into Ni tubes. Intermetallics, 2014, 49, 70-80.	3.9	12
12	Texture and training of magnetic shape memory foam. Acta Materialia, 2013, 61, 2113-2120.	7.9	20
13	Magnetomechanical Four-State Memory. Advanced Functional Materials, 2013, 23, 3995-4001.	14.9	24
14	Geometric factors on magnetically driven actuation behaviour for polycrystalline Ni-Mn-Ga and its composites. Journal of Alloys and Compounds, 2013, 577, S344-S347.	5.5	6
15	Obtaining of Ni-Mn-Ga magnetic shape memory alloy by annealing electrochemically deposited Ga/Mn/Ni layers. Thin Solid Films, 2012, 522, 171-174.	1.8	15
16	Key Properties of Ni ₅₅ Mn ₂₀ Ga ₂₅ Based Single Crystals Grown with the SLARE Technique. Advanced Engineering Materials, 2012, 14, 614-635.	3.5	11
17	Enhanced field induced martensitic phase transition and magnetocaloric effect in Ni ₅₅ Mn ₂₀ Ga ₂₅ metallic foams. Intermetallics, 2011, 19, 952-956.	3.9	19
18	Size Effects on Magnetic Actuation in Ni-Mn-Ga Shape-Memory Alloys. Advanced Materials, 2011, 23, 216-232.	21.0	312

#	ARTICLE	IF	CITATIONS
19	Magnetic-field-induced recovery strain in polycrystalline Ni-Mn-Ga foam. Journal of Applied Physics, 2010, 108, .	2.5	24
20	Ferromagnetic resonance properties and anisotropy of Ni-Mn-Ga thin films of different thicknesses deposited on Si substrate. Journal of Applied Physics, 2009, 105, .	2.5	21
21	Numerical Simulation of Twin-Twin Interaction in Magnetic Shape-Memory Alloys. Materials Research Society Symposia Proceedings, 2008, 1090, 52601.	0.1	1
22	Increasing Magnetoplasticity in Polycrystalline Ni-Mn-Ga by Reducing Internal Constraints through Porosity. Physical Review Letters, 2007, 99, 247201.	7.8	88
23	Modeling magnetoelasticity and magnetoplasticity with disconnections and disclinations. Materials Research Society Symposia Proceedings, 2007, 1050, 1.	0.1	2
24	Magnetic susceptibility of martensitic Ni-Mn-Ga film. Journal of Applied Physics, 2007, 101, 053909.	2.5	14
25	Texture and transformation characteristics of Ni-Mn-Ga films deposited on alumina. Scripta Materialia, 2006, 54, 1287-1291.	5.2	32
26	Between microscopic and mesoscopic descriptions of twin-twin interaction. International Journal of Materials Research, 2006, 97, 205-216.	0.8	23
27	On the role of deformation twinning in domain reorganization and grain reorientation in ferroelastic crystals. Journal of Materials Research, 1997, 12, 1771-1776.	2.6	23
28	Microstructure of Magnetic Shape-Memory Alloys: Between Magnetoelasticity and Magnetoplasticity. Materials Science Forum, 0, 583, 43-65.	0.3	40
29	Recent Developments in Ni-Mn-Ga Foam Research. Materials Science Forum, 0, 635, 119-124.	0.3	4
30	Effects of Surface Pinning, Locking and Adaption of Twins on the Performance of Magnetic Shape-Memory Alloys. Materials Science Forum, 0, 684, 177-201.	0.3	11
31	Characterizing Twin Structure and Magnetic Domain Structure of Ni-Mn-Ga through Atomic Force Microscopy. , 0, , 299-304.		0