

Shijie Hao

List of Publications by Year in descending order

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papers

878
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516710

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30
times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	A Transforming Metal Nanocomposite with Large Elastic Strain, Low Modulus, and High Strength. <i>Science</i> , 2013, 339, 1191-1194.	12.6	241
2	Selective laser melting of NiTi alloy with superior tensile property and shape memory effect. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2238-2242.	10.7	119
3	Electron-Rich Ruthenium Single-Atom Alloy for Aqueous Levulinic Acid Hydrogenation. <i>ACS Catalysis</i> , 2021, 11, 12146-12158.	11.2	50
4	In situ synchrotron high-energy X-ray diffraction study of microscopic deformation behavior of a hard-soft dual phase composite containing phase transforming matrix. <i>Acta Materialia</i> , 2017, 130, 297-309.	7.9	49
5	The microstructure of a selective laser melting (SLM)-fabricated NiTi shape memory alloy with superior tensile property and shape memory recoverability. <i>Applied Materials Today</i> , 2020, 19, 100547.	4.3	46
6	Study on corrosion behavior of the selective laser melted NiTi alloy with superior tensile property and shape memory effect. <i>Corrosion Science</i> , 2020, 175, 108891.	6.6	42
7	Iron(III), cobalt(II) and copper(II) complexes bearing 8-quinolinol encapsulated in zeolite γ for the aerobic oxidation of styrene. <i>Applied Organometallic Chemistry</i> , 2011, 25, 262-269.	3.5	38
8	In-situ synchrotron high energy X-ray diffraction study of micro-mechanical behaviour of R phase reorientation in nanocrystalline NiTi alloy. <i>Acta Materialia</i> , 2020, 194, 565-576.	7.9	34
9	Effect of laser hatch spacing on the pore defects, phase transformation and properties of selective laser melting fabricated NiTi shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 840, 142965.	5.6	28
10	A biopolymer-like metal enabled hybrid material with exceptional mechanical prowess. <i>Scientific Reports</i> , 2015, 5, 8357.	3.3	23
11	Retaining Large and Adjustable Elastic Strains of Kilogram-Scale Nb Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2917-2922.	8.0	21
12	A novel multifunctional NiTi/Ag hierarchical composite. <i>Scientific Reports</i> , 2014, 4, 5267.	3.3	19
13	Nickel cobaltite nanosheets coated on metal-organic framework-derived mesoporous carbon nanofibers for high-performance pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 312-321.	9.4	19
14	A Novel Stretchable Coaxial NiTi@Cu Core Composite with High Strength and High Conductivity. <i>Advanced Materials</i> , 2013, 25, 1199-1202.	21.0	18
15	Locality and rapidity of the ultra-large elastic deformation of Nb nanowires in a NiTi phase-transforming matrix. <i>Scientific Reports</i> , 2014, 4, 6753.	3.3	18
16	3D-Printing Damage-Tolerant Architected Metallic Materials with Shape Recoverability via Special Deformation Design of Constituent Material. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39915-39924.	8.0	17
17	Study on the junction zone of NiTi shape memory alloy produced by selective laser melting via a stripe scanning strategy. <i>Intermetallics</i> , 2020, 126, 106947.	3.9	16
18	Nanostructured Nb reinforced NiTi shape memory alloy composite with high strength and narrow hysteresis. <i>Applied Physics Letters</i> , 2013, 102, 231905.	3.3	13

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19	A novel copper(II) complex bearing salicylaldehyde immobilized on SBA-15 and its catalytic performances in styrene oxidation by hydrogen peroxide. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 100, 363.	1.7	11
20	Achieving Superior Two-Way Actuation by the Stress-Coupling of Nanoribbons and Nanocrystalline Shape Memory Alloy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16310-16316.	8.0	10
21	In-situ high energy X-ray diffraction study of microscopic deformation behavior of martensite variant reorientation in NiTi wire. <i>Applied Materials Today</i> , 2021, 22, 100904.	4.3	8
22	<i>In situ</i> X-ray diffraction study of deformation behavior in a Fe/NiTi composite. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	7
23	Superelastic memory effect in <i>in-situ</i> NbTi-nanowire-NiTi nanocomposite. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	6
24	NiTi-Enabled Composite Design for Exceptional Performances. <i>Shape Memory and Superelasticity</i> , 2017, 3, 67-81.	2.2	6
25	Interactions between martensitic NiTi shape memory alloy and Nb nanowires in composite wire during tensile deformation. <i>Composites Part B: Engineering</i> , 2022, 234, 109690.	12.0	6
26	Selective Laser Melting of 60NiTi Alloy with Superior Wear Resistance. <i>Metals</i> , 2022, 12, 620.	2.3	6
27	Micro laser powder bed fusion of NiTi alloys with superior mechanical property and shape recovery function. <i>Additive Manufacturing</i> , 2022, 57, 102960.	3.0	6
28	Transfemoral transcatheter puncture of interventricular septum in a swine model: A novel transfemoral venous access to left ventricle with the assistance of arteriovenous circuit. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 488-496.	1.7	1
29	Ductile-Brittle Variation Phenomenon and a Special Transformation-Induced Plasticity Effect in NbTi-NiTi Composite. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 296-302.	2.5	0