

Shijie Hao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Selective Laser Melting of 60NiTi Alloy with Superior Wear Resistance. <i>Metals</i> , 2022, 12, 620.	2.3	6
3	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
4	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
5	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
6	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
7	Electron-Rich Ruthenium Single-Atom Alloy for Aqueous Levulinic Acid Hydrogenation. <i>ACS Catalysis</i> , 2021, 11, 12146-12158.	11.2	50
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	NiTi-Enabled Composite Design for Exceptional Performances. <i>Shape Memory and Superelasticity</i> , 2017, 3, 67-81.	2.2	6
17	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
18	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

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19	Retaining Large and Adjustable Elastic Strains of Kilogram-Scale Nb Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 2917-2922.	8.0	21
20	A biopolymer-like metal enabled hybrid material with exceptional mechanical prowess. Scientific Reports, 2015, 5, 8357.	3.3	23
21	A novel multifunctional NiTi/Ag hierarchical composite. Scientific Reports, 2014, 4, 5267.	3.3	19
22	Locality and rapidity of the ultra-large elastic deformation of Nb nanowires in a NiTi phase-transforming matrix. Scientific Reports, 2014, 4, 6753.	3.3	18
23	A Transforming Metal Nanocomposite with Large Elastic Strain, Low Modulus, and High Strength. Science, 2013, 339, 1191-1194.	12.6	241
24	A Novel Stretchable Coaxial NiTi@Sheath/Cu@Core Composite with High Strength and High Conductivity. Advanced Materials, 2013, 25, 1199-1202.	21.0	18
25	Nanostructured Nb reinforced NiTi shape memory alloy composite with high strength and narrow hysteresis. Applied Physics Letters, 2013, 102, 231905.	3.3	13
26	Superelastic memory effect in <i>in-situ</i> NbTi-nanowire-NiTi nanocomposite. Applied Physics Letters, 2012, 101, .	3.3	6
27	<i>In situ</i> X-ray diffraction study of deformation behavior in a Fe/NiTi composite. Applied Physics Letters, 2012, 101, .	3.3	7
28	Iron(III), cobalt(II) and copper(II) complexes bearing 8-quinolinol encapsulated in zeolite- γ for the aerobic oxidation of styrene. Applied Organometallic Chemistry, 2011, 25, 262-269.	3.5	38
29	A novel copper(II) complex bearing salicylaldehyde immobilized on SBA-15 and its catalytic performances in styrene oxidation by hydrogen peroxide. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 363.	1.7	11