

Shun Guo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mechanism and threshold fluence of nanosecond pulsed laser paint removal. <i>Rare Metals</i> , 2022, 41, 1022-1031.	7.1	7
2	Mechanisms of near-linear elastic deformation behavior in a binary metastable β -type Ti-Nb alloy with large recoverable strain. <i>Materials Characterization</i> , 2022, 187, 111858.	4.4	6
3	Single crystal shear moduli of β -phase stabilized by thermomechanical treatment in TiNbSn alloys with ultralow elastic modulus. <i>Materials Letters</i> , 2021, 285, 129103.	2.6	4
4	In situ synchrotron X-ray diffraction analysis of deformation behavior of a Nb/NiTi composite for biomedical applications. <i>Rare Metals</i> , 2021, 40, 600-606.	7.1	9
5	A sandwich-structured Nb/NiTi composite with good bio-compatibility, near-linear-elastic deformation and large elastic admissible strain. <i>Composites Part B: Engineering</i> , 2021, 207, 108586.	12.0	14
6	Uniaxial tensile deformation behavior of a sandwich-like structural TiNb-NiTi composite for biomedical applications. <i>Rare Metals</i> , 2021, 40, 3627-3634.	7.1	5
7	Achieving a combination of decent biocompatibility and large near-linear-elastic deformation behavior in shell-core-like structural TiNb/NiTi composite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104789.	3.1	3
8	In Situ Synchrotron X-ray Diffraction Investigations of the Nonlinear Deformation Behavior of a Low Modulus β -Type Ti36Nb5Zr Alloy. <i>Metals</i> , 2020, 10, 1619.	2.3	4
9	Design and fabrication of a Nb/NiTi superelastic composite with high critical stress for inducing martensitic transformation and large recoverable strain for biomedical applications. <i>Materials Science and Engineering C</i> , 2020, 112, 110894.	7.3	3
10	Deformation behavior of a novel sandwich-like TiNb/NiTi composite with good biocompatibility and superelasticity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 794, 139784.	5.6	6
11	Microstructure and microhardness of a novel TiZrAlV alloy by laser gas nitriding at different laser powers. <i>Rare Metals</i> , 2020, 39, 270-278.	7.1	17
12	Design and fabrication of a (β + β') dual-phase Ti-Nb-Sn alloy with linear deformation behavior for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2019, 805, 517-521.	5.5	16
13	Dynamic recrystallization behavior of Fe-20Cr-30Ni-0.6Nb-2Al-Mo alloy. <i>Rare Metals</i> , 2019, 38, 181-188.	7.1	13
14	Design of low modulus β -type titanium alloys by tuning shear modulus C44. <i>Journal of Alloys and Compounds</i> , 2018, 745, 579-585.	5.5	29
15	A metastable β -type Zr-4Mo-4Sn alloy with low cost, low Young's modulus and low magnetic susceptibility for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2018, 754, 232-237.	5.5	20
16	Design and fabrication of a low modulus β -type Ti-Nb-Zr alloy by controlling martensitic transformation. <i>Rare Metals</i> , 2018, 37, 789-794.	7.1	19
17	In situ synchrotron X-ray diffraction study of deformation behaviour of a metastable β -type Ti-33Nb-4Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 692, 81-89.	5.6	29
18	One-step removal of insoluble oily compounds and water-miscible contaminants from water by underwater superoleophobic graphene oxide-coated cotton. <i>Cellulose</i> , 2017, 24, 5605-5614.	4.9	10

#	ARTICLE	IF	CITATIONS
19	Rare earth texture analysis of rectangular extruded Mg alloys and a comparison of different alloying adding ways. <i>Rare Metals</i> , 2016, 35, 850-857.	7.1	2
20	Microstructural evolution and mechanical behavior of metastable β -type Ti-30Nb-1Mo-4Sn alloy with low modulus and high strength. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 414-418.	4.4	7
21	Design and fabrication of a metastable β -type titanium alloy with ultralow elastic modulus and high strength. <i>Scientific Reports</i> , 2015, 5, 14688.	3.3	100
22	Wear response of metastable β -type Ti-25Nb-2Mo-4Sn alloy for biomedical applications. <i>Rare Metals</i> , 2015, 34, 564-568.	7.1	12
23	A metastable β -type Ti-Nb binary alloy with low modulus and high strength. <i>Journal of Alloys and Compounds</i> , 2015, 644, 411-415.	5.5	50
24	Tribological properties of Cu-based composites with S-doped NbSe ₂ . <i>Rare Metals</i> , 2015, 34, 407-412.	7.1	7
25	Effect of thermo-mechanical treatment on mechanical and elastic properties of Ti-36Nb-5Zr alloy. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 229-235.	4.4	13
26	Metastable β -type Ti-30Nb-1Mo-4Sn Alloy with Ultralow Young's Modulus and High Strength. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 547-550.	2.2	16
27	β martensite Ti-10Nb-2Mo-4Sn alloy with ultralow elastic modulus and High strength. <i>Materials Letters</i> , 2014, 133, 236-239.	2.6	18
28	Possible contribution of low shear modulus γ to the low Young's modulus of Ti-36Nb-5Zr alloy. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	10
29	Direct evidence for competition between metastable β and equilibrium β phases in aged β -type Ti alloys. <i>Rare Metals</i> , 2014, 33, 390-393.	7.1	2
30	A β -type TiNbZr alloy with low modulus and high strength for biomedical applications. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 157-162.	4.4	44
31	Microstructural evolution and mechanical behavior of metastable β -type Ti-25Nb-2Mo-4Sn alloy with high strength and low modulus. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 174-182.	4.4	31
32	Suppression of isothermal β phase by dislocation tangles and grain boundaries in metastable β -type titanium alloys. <i>Journal of Alloys and Compounds</i> , 2013, 550, 35-38.	5.5	29
33	A Novel Metastable Ti-25Nb-2Mo-4Sn Alloy with High Strength and Low Young's Modulus. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3447-3451.	2.2	23