

# Xia, Minglu

## List of Publications by Year in descending order

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139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocomposite NiTi shape memory alloy with high strength and fatigue resistance. Nature Nanotechnology, 2021, 16, 409-413.	31.5	113
2	Grain size dependence of Young's modulus and hardness for nanocrystalline NiTi shape memory alloy. Materials Letters, 2018, 211, 352-355.	2.6	47
3	Thermomechanical responses of nonlinear torsional vibration with NiTi shape memory alloy " Alternative stable states and their jumps. Journal of the Mechanics and Physics of Solids, 2017, 102, 257-276.	4.8	16
4	Jump phenomena of rotational angle and temperature of NiTi wire in nonlinear torsional vibration. International Journal of Solids and Structures, 2015, 56-57, 220-234.	2.7	14
5	Grain size effects on stability of nonlinear vibration with nanocrystalline NiTi shape memory alloy. Smart Materials and Structures, 2017, 26, 105033.	3.5	8
6	Analytical solution of a mass-spring system containing shape memory alloys: Effects of nonlinearity and hysteresis. International Journal of Solids and Structures, 2019, 171, 189-200.	2.7	6
7	Grain Size Effects on Young's Modulus and Hardness of Nanocrystalline NiTi Shape Memory Alloy. Advanced Structured Materials, 2017, , 203-210.	0.5	3