

# Reza Bakhtiari

## List of Publications by Year in descending order

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18  
papers

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#	ARTICLE	IF	CITATIONS
1	Functionally graded shape memory alloys: Design, fabrication and experimental evaluation. <i>Materials and Design</i> , 2017, 124, 225-237.	7.0	77
2	A unique "fish-tail-like" four-way shape memory effect of compositionally graded NiTi. <i>Scripta Materialia</i> , 2017, 127, 84-87.	5.2	32
3	Controlled initiation and propagation of stress-induced martensitic transformation in functionally graded NiTi. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156103.	5.5	27
4	Achieving 5.9% elastic strain in kilograms of metallic glasses: Nanoscopic strain engineering goes macro. <i>Materials Today</i> , 2020, 37, 18-26.	14.2	25
5	A eutectic dual-phase design towards superior mechanical properties of heusler-type ferromagnetic shape memory alloys. <i>Acta Materialia</i> , 2019, 181, 278-290.	7.9	21
6	Modelling and experimental investigation of geometrically graded shape memory alloys with parallel design configuration. <i>Journal of Alloys and Compounds</i> , 2019, 791, 711-721.	5.5	21
7	Complex transformation field created by geometrical gradient design of NiTi shape memory alloy. <i>Functional Materials Letters</i> , 2017, 10, 1740011.	1.2	18
8	Nonuniform transformation behaviour of NiTi in a discrete geometrical gradient design. <i>Journal of Alloys and Compounds</i> , 2019, 774, 1260-1266.	5.5	18
9	Computational and experimental analyses of martensitic transformation propagation in shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1522-1528.	5.5	16
10	Experiments on deformation behaviour of functionally graded NiTi structures. <i>Data in Brief</i> , 2017, 13, 562-568.	1.0	14
11	Stress serration and arch-shaped "stress plateau" behaviour of Ti-50.8 at% Ni wire prepared by selective electrical resistance over-aging. <i>Smart Materials and Structures</i> , 2016, 25, 115035.	3.5	7
12	Monoclinic angle, shear response, and minimum energy pathways of NiTiCu martensite phases from ab initio calculations. <i>Acta Materialia</i> , 2019, 178, 59-67.	7.9	4
13	Experimental and numerical data for transformation propagation in NiTi shape memory structures. <i>Data in Brief</i> , 2019, 27, 104566.	1.0	3
14	Numerical modelling of pseudoelastic behaviour of geometrically graded shape memory alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 522, 012005.	0.6	2
15	Ab initio prediction of phase stability of martensitic structures in binary NiTi under hydrostatic tension. <i>Physica Scripta</i> , 2020, 95, 035701.	2.5	2
16	Numerical Investigation of Adhesively Bonded Joints. <i>Applied Mechanics and Materials</i> , 0, 392, 105-109.	0.2	0
17	Effect of Crack Length on Mixed-Mode Cohesive Fracture of the Adhesively Bonded Joints. <i>Advanced Materials Research</i> , 2013, 748, 231-234.	0.3	0
18	Mechanical Properties Improvements of Resin-Based Nanocomposites Reinforced by Multi-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 748, 222-226.	0.3	0