

Guoqing Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mechanical and functional properties degradation mechanism of electron beam welded NiTi shape memory alloy. <i>Vacuum</i> , 2022, 198, 110870.	3.5	4
2	Electron beam welding with in situ heat treatment: An effective method for optimization of soft magnetic properties of permalloy. <i>Journal of Manufacturing Processes</i> , 2022, 77, 642-651.	5.9	2
3	Microstructure evolution and magnetic shielding effect of permalloy deposition on molybdenum substrate by electron beam freeform fabrication. <i>Additive Manufacturing</i> , 2022, 56, 102936.	3.0	2
4	Microstructural analysis and mechanical property optimization for TP347HFG steel/6082 aluminum alloy electron beam welded joint. <i>Vacuum</i> , 2022, 203, 111259.	3.5	5
5	Strengthening mechanism for high-entropic weld of molybdenum/Kovar alloy electron beam welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 851, 143619.	5.6	4
6	Microstructure evolution analysis for the reaction interface between molybdenum and Kovar acquired by electron beam welding-brazing. <i>Materials Characterization</i> , 2021, 171, 110781.	4.4	7
7	Transformation law of microstructure evolution and mechanical properties of electron beam freeform fabricated 321 austenitic stainless steel. <i>Vacuum</i> , 2021, 194, 110594.	3.5	9
8	Fusion-diffusion electron beam welding of aluminum-lithium alloy with Cu nano-coating. <i>Materials and Design</i> , 2020, 188, 108439.	7.0	16
9	Electron beam hybrid welding-brazing of WC-Co/40Cr dissimilar materials. <i>Ceramics International</i> , 2019, 45, 7821-7829.	4.8	24
10	Beam deflection effects on the microstructure and defect creation on electron beam welding of molybdenum to Kovar. <i>Journal of Materials Processing Technology</i> , 2019, 267, 280-288.	6.3	24
11	Study on microstructure and performance of molybdenum joint welded by electron beam. <i>Vacuum</i> , 2018, 154, 1-5.	3.5	20
12	Microstructure transformation and crack sensitivity of WC-Co/steel joint welded by electron beam. <i>Vacuum</i> , 2017, 139, 26-32.	3.5	32
13	Electron beam welding-brazing of hard alloy to steel with Ni-Fe intermediate. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 40, 58-63.	3.8	21