

Guoqing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

170
citations

1307594

7
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

86
citing authors

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