

Carsten Bonnekoh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3568146/publications.pdf>

Version: 2024-02-01

15
papers

450
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Ductilisation of tungsten (W): On the shift of the brittle-to-ductile transition (BDT) to lower temperatures through cold rolling. International Journal of Refractory Metals and Hard Materials, 2016, 54, 351-369.	3.8	97
2	The brittle-to-ductile transition in cold rolled tungsten: On the decrease of the brittle-to-ductile transition by 600 K to ~ 65 Å°C. International Journal of Refractory Metals and Hard Materials, 2018, 71, 181-189.	3.8	63
3	Ductilisation of tungsten (W): Tungsten laminated composites. International Journal of Refractory Metals and Hard Materials, 2017, 69, 66-109.	3.8	57
4	Ductilisation of tungsten (W): On the increase of strength AND room-temperature tensile ductility through cold-rolling. International Journal of Refractory Metals and Hard Materials, 2017, 64, 261-278.	3.8	52
5	Ductilisation of tungsten (W) through cold-rolling: R-curve behaviour. International Journal of Refractory Metals and Hard Materials, 2016, 58, 22-33.	3.8	40
6	The brittle-to-ductile transition in cold rolled tungsten plates: Impact of crystallographic texture, grain size and dislocation density on the transition temperature. International Journal of Refractory Metals and Hard Materials, 2019, 78, 146-163.	3.8	34
7	Comparison of K-doped and pure cold-rolled tungsten sheets: As-rolled condition and recrystallization behaviour after isochronal annealing at different temperatures. International Journal of Refractory Metals and Hard Materials, 2019, 85, 105047.	3.8	30
8	Comparison of K-doped and pure cold-rolled tungsten sheets: Tensile properties and brittle-to-ductile transition temperatures. Journal of Nuclear Materials, 2021, 544, 152664.	2.7	19
9	The brittle-to-ductile transition in cold-rolled tungsten sheets: the rate-limiting mechanism of plasticity controlling the BDT in ultrafine-grained tungsten. Journal of Materials Science, 2020, 55, 12314-12337.	3.7	18
10	The brittle-to-ductile transition in cold-rolled tungsten sheets: On the loss of room-temperature ductility after annealing and the phenomenon of 45 Å° embrittlement. International Journal of Refractory Metals and Hard Materials, 2020, 93, 105347.	3.8	11
11	Recrystallisation towards a single texture component in heavily cold rolled tungsten (W) sheets and its impact on micromechanics. International Journal of Refractory Metals and Hard Materials, 2020, 86, 105084.	3.8	10
12	Technological Processes for Steel Applications in Nuclear Fusion. Applied Sciences (Switzerland), 2021, 11, 11653.	2.5	9
13	The brittle-to-ductile transition in cold-rolled tungsten sheets: Contributions of grain and subgrain boundaries to the enhanced ductility after pre-deformation. Nuclear Materials and Energy, 2020, 25, 100769.	1.3	4
14	Elucidating the microstructure of tungsten composite materials produced by powder injection molding. Nuclear Materials and Energy, 2020, 24, 100766.	1.3	3
15	Effect of neutron irradiation on ductility of tungsten foils developed for tungsten-copper laminates. Nuclear Materials and Energy, 2022, 30, 101133.	1.3	3