Hansheng Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2409575/publications.pdf

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22	434	840119 11	713013 21
papers	citations	h-index	g-index

22	22	22	375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of microstructure and mechanical properties in 2205 duplex stainless steels during additive manufacturing and heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 835, 142695.	2.6	53
2	Merits of Pr80Ga20 grain boundary diffusion process towards high coercivityâ€'remanence synergy of Ndâ€'Laâ€'Ceâ€'Feâ€'B sintered magnet. Acta Materialia, 2022, 231, 117873.	3.8	18
3	Intergranular precipitation and chemical fluctuations in an additively manufactured 2205 duplex stainless steel. Scripta Materialia, 2022, 219, 114894.	2.6	10
4	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. ACS Applied Materials & Interfaces, 2021, 13, 37840-37848.	4.0	6
5	On the pitting corrosion of 2205 duplex stainless steel produced by laser powder bed fusion additive manufacturing in the as-built and post-processed conditions. Materials and Design, 2021, 212, 110260.	3.3	24
6	Intragranular glass/crystal conjugated particles in strip cast Nd-Fe-B flakes. Journal of Magnetism and Magnetic Materials, 2020, 495, 165863.	1.0	2
7	Nanoscale pathways for human tooth decay â€“ Central planar defect, organic-rich precipitate and high-angle grain boundary. Biomaterials, 2020, 235, 119748.	5.7	26
8	Quantifying the nucleation effect of correlated matrix grains in sintered Nd-Fe-B permanent magnets. Journal of Magnetism and Magnetic Materials, 2020, 498, 166099.	1.0	6
9	Effect of cyclic rapid thermal loadings on the microstructural evolution of a CrMnFeCoNi high-entropy alloy manufactured by selective laser melting. Acta Materialia, 2020, 196, 609-625.	3.8	89
10	Atomic scale insights into the segregation/partitioning behaviour in as-sintered multi-main-phase Nd-Ce-Fe-B permanent magnets. Journal of Alloys and Compounds, 2020, 846, 156248.	2.8	14
11	An observation of the binder microstructure in WC-(Co+Ru) cemented carbides using transmission Kikuchi diffraction. Scripta Materialia, 2020, 183, 55-60.	2.6	16
12	Graded Microstructure of Additive Manufactured Ti-6Al-4V via Electron Beam Melting. Microscopy and Microanalysis, 2019, 25, 498-499.	0.2	0
13	Enhancement of Anomalous Hall Effect via Interfacial Scattering in Metalâ€Organic Semiconductor Fe x (C 60) 1â^' x Granular Films Near the Metalâ€Insulator Transition. Advanced Functional Materials, 2019, 29, 1808747.	7.8	5
14	Quantitative Determination of How Growth Conditions Affect the 3D Composition of InGaAs Nanowires. Microscopy and Microanalysis, 2019, 25, 524-531.	0.2	1
15	Non-destructive analysis on nano-textured surface of the vertical LED for light enhancement. Ultramicroscopy, 2019, 196, 1-9.	0.8	4
16	Attractive-domain-wall-pinning controlled Sm-Co magnets overcome the coercivity-remanence trade-off. Acta Materialia, 2019, 164, 196-206.	3.8	87
17	Coercivity degradation caused by inhomogeneous grain boundaries in sintered Nd-Fe-B permanent magnets. Physical Review Materials, 2018, 2, .	0.9	3
18	3D Atomic-Scale Insights into Anisotropic Core-Shell-Structured InGaAs Nanowires Grown by Metal-Organic Chemical Vapor Deposition. Advanced Materials, 2017, 29, 1701888.	11.1	15

#	Article	IF	Citations
19	Grain size quantification by optical microscopy, electron backscatter diffraction, and magnetic force microscopy. Micron, 2017, 101, 41-47.	1.1	19
20	Microstructural and Texture Evolution of Strip Cast Ndâ€“Feâ€“B Flake. Crystal Growth and Design, 2017, 17, 6550-6558.	1.4	14
21	Insights into the Silver Reflection Layer of a Vertical LED for Light Emission Optimization. ACS Applied Materials & Interfaces, 2017, 9, 24259-24272.	4.0	11
22	Direct Observation of Dopants Distribution and Diffusion in GaAs Planar Nanowires with Atom Probe Tomography. ACS Applied Materials & Interfaces, 2016, 8, 26244-26250.	4.0	11