

Javier Rial

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

320
citations

759233

12
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic reversal modes in cylindrical nanostructures: from disks to wires. <i>Scientific Reports</i> , 2021, 11, 10100.	3.3	12
2	Coercivity development in MnAl ribbons by microstructural modifications achieved through cold-rolling process. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 529, 167826.	2.3	7
3	Efficient Nanostructuring of Isotropic Gas-Atomized MnAl Powder by Rapid Milling (30 μ s). <i>Engineering</i> , 2020, 6, 173-177.	6.7	14
4	Fabrication of bulk $\bar{1}$, MnAl $\bar{1}$ C magnets by hot-pressing from $\hat{\mu}$ -phase gas-atomized and milled powder. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156361.	5.5	12
5	A Novel Design of a 3D Racetrack Memory Based on Functional Segments in Cylindrical Nanowire Arrays. <i>Nanomaterials</i> , 2020, 10, 2403.	4.1	15
6	Magnetic-Polymer Composites for Bonding and 3D Printing of Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	39
7	Phase-pure $\bar{1}$,-MnAlC produced by mechanical alloying and a one-step annealing route. <i>Journal of Alloys and Compounds</i> , 2019, 779, 776-783.	5.5	18
8	Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. <i>Acta Materialia</i> , 2018, 157, 42-52.	7.9	24
9	Development of permanent magnet MnAlC/polymer composites and flexible filament for bonding and 3D-printing technologies. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 465-473.	6.1	57
10	Application of a novel flash-milling procedure for coercivity development in nanocrystalline MnAl permanent magnet powders. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 105004.	2.8	31
11	Study of phases evolution in high-coercive MnAl powders obtained through short milling time of gas-atomized particles. <i>Journal of Alloys and Compounds</i> , 2017, 712, 373-378.	5.5	27
12	Recycling of Strontium Ferrite Waste in a Permanent Magnet Manufacturing Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3243-3249.	6.7	12
13	Towards high performance CoFe ₂ O ₄ isotropic nanocrystalline powder for permanent magnet applications. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	30
14	Tunable nanocrystalline CoFe ₂ O ₄ isotropic powders obtained by co-precipitation and ultrafast ball milling for permanent magnet applications. <i>RSC Advances</i> , 2016, 6, 87282-87287.	3.6	22
15	CoFe ₂ O ₄ isotropic powders for permanent magnet applications. , 2015, , .		0