

Vladimir Matias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2484727/publications.pdf>

Version: 2024-02-01

15
papers

378
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Biaxially textured cobalt-doped BaFe ₂ As ₂ films with high critical current density over 1â€MA/cm ² on MgO-buffered metal-tape flexible substrates. Applied Physics Letters, 2011, 98, 242510.	3.3	110
2	Reel-to-reel preparation of ion-beam assisted deposition (IBAD)-MgO based coated conductors. Superconductor Science and Technology, 2004, 17, S132-S134.	3.5	44
3	Very fast biaxial texture evolution using high rate ion-beam-assisted deposition of MgO. Journal of Materials Research, 2009, 24, 125-129.	2.6	37
4	Continuous electropolishing of Hastelloy substrates for ion-beam assisted deposition of MgO. Superconductor Science and Technology, 2003, 16, 613-616.	3.5	29
5	Coated conductors textured by ion-beam assisted deposition. Physica C: Superconductivity and Its Applications, 2007, 460-462, 312-315.	1.2	27
6	Highly textured oxypnictide superconducting thin films on metal substrates. Applied Physics Letters, 2014, 105, .	3.3	25
7	Role of beam divergence and ion-to-molecule flux ratio in ion-beam-assisted deposition texturing of MgO. Journal of Materials Research, 2004, 19, 501-504.	2.6	20
8	Dependence of carrier mobility on grain mosaic spread in 001âˆ©-oriented Si films grown on polycrystalline substrates. Applied Physics Letters, 2005, 87, 152104.	3.3	20
9	Ion beam induced crystalline texturing during thin film deposition. Surface and Coatings Technology, 2015, 264, 1-8.	4.8	17
10	Reactive Co-Evaporation of YBCO as a Low-Cost Process for Fabricating Coated Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3172-3175.	1.7	12
11	Preparation of Conductive Buffer Architectures Based on IBAD-TiN. IEEE Transactions on Applied Superconductivity, 2009, 19, 3447-3450.	1.7	12
12	Stacks of YBCO Films Using Multiple IBAD Templates. IEEE Transactions on Applied Superconductivity, 2007, 17, 3577-3580.	1.7	7
13	Experiments Using Continuous Fabrication of IBAD-MgO Based Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3263-3265.	1.7	7
14	The Role of Nucleation Surfaces in the Texture Development of Magnesium Oxide During Ion Beam Assisted Deposition. IEEE Transactions on Applied Superconductivity, 2011, 21, 2904-2907.	1.7	7
15	Pulsed laser deposition of CeCoIn ₅ thin films. Physica C: Superconductivity and Its Applications, 2010, 470, S568-S569.	1.2	4