Andreas Bill

List of Publications by Year
in descending order

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25 papers	291 citations	1307594 7 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	404 citing authors

#	Article	IF	Citations
1	On the origin of logarithmic-normal distributions: An analytical derivation, and its application to nucleation and growth processes. Journal of Crystal Growth, 2008, 310, 3135-3138.	1.5	103
2	Time-evolution of grain size distributions in random nucleation and growth crystallization processes. Physical Review B, 2010, 81, .	3.2	42
3	Unconventional isotope effects in superconductors. Physical Review B, 1997, 56, 107-110.	3.2	39
4	Isotope effect for the penetration depth in superconductors. Physical Review B, 1998, 57, 10814-10824.	3.2	23
5	Jacobi elliptic functions and the complete solution to the bead on the hoop problem. American Journal of Physics, 2012, 80, 506-514.	0.7	16
6	Long range triplet Josephson current and 0â^'Ï€transitions in tunable domain walls. New Journal of Physics, 2014, 16, 093048.	2.9	13
7	Cascading proximity effects in rotating magnetizations. Europhysics Letters, 2014, 107, 17001.	2.0	8
8	Acoustic Plasmons in Layered Systems and the Phonon-Plasmon Mechanism of Superconductivity. Journal of Low Temperature Physics, 1999, 117, 283-287.	1.4	7
9	Magnetic scattering, â€œrecoveryâ€•of superconductivity and tunneling in the cuprates. Journal of Low Temperature Physics, 1997, 106, 159-171.	1.4	6
10	Properties of Magnetic-Superconducting Proximity Systems. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2177-2182.	1.8	5
11	Magnetic scattering in the cuprates: Upper limit ofT c , novel isotope effects. Journal of Superconductivity and Novel Magnetism, 1997, 10, 267-272.	0.5	4
12	The Grain Size Distribution in Crystallization Processes With Anisotropic Growth Rate. Materials Research Society Symposia Proceedings, 2010, 1245, 1.	0.1	4
13	Classification of magnetic inhomogeneities and0â^'Ï€transitions in superconducting-magnetic hybrid structures. Physical Review B, 2016, 94, .	3.2	4
14	Effect of magnetic impurity correlations on Josephson tunneling. Physica C: Superconductivity and Its Applications, 1998, 298, 231-239.	1.2	3
15	Development of the Grain Size Distribution During the Crystallization of an Amorphous Solid. Materials Research Society Symposia Proceedings, 2011, 1308, 30101.	0.1	3
16	Isotope Effect in High-T_C Superconductors due to Non-Adiabaticity, Proximity Effect and Magnetic Impurities*. Zeitschrift Fur Physikalische Chemie, 1997, 201, 271-284.	2.8	2
17	Modeling the Grain Size Distribution during Solid Phase Crystallization of Silicon. Materials Research Society Symposia Proceedings, 2009, 1153, 1.	0.1	2
18	Classical Mechanical Analogies in Wide Dirty SFS Junctions. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2183-2185.	1.8	2

#	Article	IF	Citations
19	Role of canting and depleted-triplet minima in superconducting spin valve structures. Physical Review B, 2018, 97, .	3.2	2
20	Nonequilibrium grain size distribution with generalized growth and nucleation rates. Journal of Materials Research, 2013, 28, 1407-1412.	2.6	1
21	Effects from magnetic boundary conditions in superconducting-magnetic proximity systems. AIP Advances, 2016, 6, .	1.3	1
22	Phase Separation and Pairing Fluctuations in Oxide Materials. Condensed Matter, 2020, 5, 65.	1.8	1
23	Metallochloronitrides: Electronic Pairing Mechanism in a New Class of Superconductors. International Journal of Modern Physics B, 2003, 17, 3281-3283.	2.0	0
24	Electronic Phase Separation and Electronâ€“Phonon Coupling in Cuprate Superconductors. Springer Series in Materials Science, 2017, , 1-14.	0.6	0
25	High Tc Oxides: Two Order Parameters, Magnetic Scattering and Upper Limit of Tc, Novel Isotope Effects, and the Phonon-Plasmon Mechanism. , 2002, , 55-71.		0