

# Marco Bonura

## List of Publications by Year in descending order

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29  
papers

470  
citations

840776

11  
h-index

677142

22  
g-index

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all docs

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docs citations

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times ranked

500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and large volume production of extremely high current density YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting wires for fusion. Scientific Reports, 2021, 11, 2084.	3.3	106
2	Temperature and time scaling of the peak-effect vortex configuration in FeTe <sub>x</sub> Se <sub>1-x</sub> . Physical Review B, 2012, 85, .	3.2	70
3	High-field thermal transport properties of REBCO coated conductors. Superconductor Science and Technology, 2015, 28, 025001.	3.5	42
4	Systematic Study of the Contact Resistance Between REBCO Tapes: Pressure Dependence in the Case of No-Insulation, Metal Co-Winding and Metal-Insulation. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	36
5	An equation for the quench propagation velocity valid for high field magnet use of REBCO coated conductors. Applied Physics Letters, 2016, 108, .	3.3	29
6	Improved film density for coatings at grazing angle of incidence in high power impulse magnetron sputtering with positive pulse. Thin Solid Films, 2020, 706, 138058.	1.8	22
7	Generation of 25 T with an all-superconducting magnet system: field profile and field quality measurements of a layer-wound 4 T REBCO insert coil for a 21 T LTS magnet. Superconductor Science and Technology, 2019, 32, 075005.	3.5	20
8	Current transport, magnetic and elemental properties of densified Ag-sheathed Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> tapes. Superconductor Science and Technology, 2020, 33, 095008.	3.5	14
9	Very-high thermal and electrical conductivity in overpressure-processed Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> wires. Materials Research Express, 2018, 5, 056001.	1.6	13
10	Very high upper critical fields and enhanced critical current densities in Nb <sub>3</sub> Sn superconductors based on Nb-Ta-Zr alloys and internal oxidation. JPhys Materials, 2021, 4, 025003.	4.2	13
11	Temperature and Field Dependence of the Quench Propagation Velocity in Industrial REBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	12
12	Electrical and Thermo-Physical Properties of Ni-Alloy Reinforced Bi-2223 Conductors. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	11
13	Heating-Induced Performance Degradation of REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Coated Conductors: An Oxygen Out-Diffusion Scenario with Two Activation Energies. ACS Applied Electronic Materials, 2022, 4, 1318-1326.	4.3	11
14	Depinning frequency in a heavily neutron-irradiated MgB <sub>2</sub> sample. Physica C: Superconductivity and Its Applications, 2008, 468, 2372-2377.	1.2	10
15	Thermal Conductivity of Industrial Nb <sub>3</sub> Sn Wires Fabricated by Various Techniques. IEEE Transactions on Applied Superconductivity, 2013, 23, 6000404-6000404.	1.7	9
16	Electrical Connectivity in MgB <sub>2</sub> : The Role of Precursors and Processing Routes in Controlling Voids and Detrimental Secondary Phases. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	9
17	High Current Probe for I <sub>c</sub> (B,T) Measurements With $\hat{\Delta}\pm 0.01$ K Precision: HTS Current Leads and Active Temperature Stabilization System. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	9
18	High-field superconductivity in C-doped MgB <sub>2</sub> bulk samples prepared by a rapid synthesis route. Scientific Reports, 2020, 10, 17656.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Microwave surface resistance of pristine and neutron-irradiated MgB <sub>2</sub> samples in magnetic field. European Physical Journal B, 2008, 63, 165-177.	1.5	6
20	Thermal conductivity and stability of commercial MgB <sub>2</sub> conductors. Superconductor Science and Technology, 2015, 28, 115014.	3.5	6
21	Fluxon dynamics by microwave surface resistance measurements in MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2004, 404, 171-175.	1.2	3
22	A superconducting microwave cavity made of bulk MgB <sub>2</sub> . Superconductor Science and Technology, 2007, 20, L16-L19.	3.5	3
23	First Experimental Results on Damage Limits of Superconducting Accelerator Magnet Components Due to Instantaneous Beam Impact. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-10.	1.7	3
24	Rapid Synthesis of MgB <sub>2</sub> by Inductive Heating. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	2
25	Fluxon dynamics in Li <sup>+</sup> Al codoped by microwave surface resistance measurements. Physica C: Superconductivity and Its Applications, 2010, 470, 907-910.	1.2	1
26	Dielectric properties of myoglobin at 10 <sup>6</sup> GHz by microwave cavity perturbation measurements. Spectroscopy, 2010, 24, 143-147.	0.8	1
27	Thermal conductivities and thermal runaways of superconducting MgB <sub>2</sub> wires stabilized by an Al + Al <sub>2</sub> O <sub>3</sub> sheath. Superconductor Science and Technology, 2019, 32, 115007.	3.5	1
28	In-Field Thermal Conductivity of Ag and Cu/Ag Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Composite Conductors. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
29	Magnetic field dependence of the copper charge density wave order in a YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /Nd <sub>0.65</sub> (Ca <sub>0.7</sub> Sr <sub>0.3</sub> ) <sub>0.35</sub> MnO <sub>3</sub> superlattice. Physical Review B, 2021, 104, .	3.2	0