

Michael Koblischka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

336
papers

4,346
citations

32
h-index

52
g-index

352
ext. papers

4,581
ext. citations

2.1
avg, IF

5.29
L-index

#	Paper	IF	Citations
336	Flux pinning docking interfaces in satellites using superconducting foams as trapped field magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	0
335	The possible applications of superconducting nanowire networks. <i>Materials Today: Proceedings</i> , 2022 , 54, 125-130	1.4	
334	Calculation of T _c of Superconducting Elements with the Roeser-Huber Formalism. <i>Metals</i> , 2022 , 12, 337	2.3	1
333	High-T _c Cuprate Superconductors: Materials, Structures and Properties 2022 , 181-209		0
332	Classical Superconductors Materials, Structures and Properties 2022 , 147-180		
331	Magnetic Properties of Superconducting Materials 2022 , 61-88		
330	Measurement of the characteristics of the Earth's magnetic field using a smartphone magnetic sensor. <i>Physics Education</i> , 2022 , 57, 045021	0.8	1
329	Superconducting nanowire fiber mats and the paramagnetic Meissner effect. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	1
328	Residual Stress/Strain Analysis of Bulk YBCO Superconductors Using EBSD. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	0
327	(BaCuO) and the Roeser-Huber Formula. <i>Materials</i> , 2021 , 14,	3.5	1
326	Review on the Use of Superconducting Bulks for Magnetic Screening in Electrical Machines for Aircraft Applications. <i>Materials</i> , 2021 , 14,	3.5	5
325	Magnetic phases in superconducting, polycrystalline bulk FeSe samples. <i>AIP Advances</i> , 2021 , 11, 015230	1.5	8
324	Microstructure analysis of electrospun $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ nanowires using electron microscopy and electron backscatter diffraction (EBSD). <i>AIP Advances</i> , 2021 , 11, 025008	1.5	1
323	Fabrication of Superconducting Nanowires Using the Template Method. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
322	Paramagnetic Meissner Effect and Current Flow in YBCO Nanofiber Mats. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	2
321	Microstructure and Fluctuation-Induced Conductivity Analysis of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ (Bi-2212) Nanowire Fabrics. <i>Crystals</i> , 2020 , 10, 986	2.3	13
320	Reproducibility of small GeCHO-added MgB bulks fabricated by ex situ Spark Plasma Sintering used in compound bulk magnets with a trapped magnetic field above 5 T. <i>Scientific Reports</i> , 2020 , 10, 10538	4.9	2

319	Flux creep after field trapping in YBa ₂ Cu ₃ O _x foams. <i>Superconductor Science and Technology</i> , 2020 , 33, 044008	3.1	2
318	Secondary phase particles in bulk, infiltration-growth processed YBCO investigated by transmission Kikuchi diffraction and TEM. <i>Superconductor Science and Technology</i> , 2020 , 33, 034010	3.1	2
317	On the origin of the sharp, low-field pinning force peaks in MgB ₂ superconductors. <i>AIP Advances</i> , 2020 , 10, 015035	1.5	4
316	Production of Sharp-Edged and Surface-Damaged YBaCuO by Ultrasound: Significant Improvement of Superconducting Performance of Infiltration Growth-Processed YBaCuO Bulk Superconductors. <i>ACS Omega</i> , 2020 , 5, 6250-6259	3.9	4
315	Highly Porous Superconductors: Synthesis, Research, and Prospects. <i>Physics of Metals and Metallography</i> , 2020 , 121, 936-948	1.2	7
314	Relation between Crystal Structure and Transition Temperature of Superconducting Metals and Alloys. <i>Metals</i> , 2020 , 10, 158	2.3	8
313	Dimensionality and superconducting parameters of YBa ₂ Cu ₃ O _{7-δ} /(WO ₃ NPs) _x composites deduced from excess conductivity analysis. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122665	4.4	10
312	Excess Conductivity Analysis of Polycrystalline FeSe Samples with the Addition of Ag. <i>Materials</i> , 2020 , 13,	3.5	7
311	Microstructure and paramagnetic Meissner effect of YBa ₂ Cu ₃ O _y nanowire networks. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	2
310	Pinning Force Scaling Analysis of Polycrystalline MgB ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 3333-3339	1.5	0
309	Transmission EBSD (t-EBSD) to determine grain and grain boundary properties on nanostructured superconductor samples. <i>Journal of Physics: Conference Series</i> , 2019 , 1293, 012008	0.3	
308	EBSD Characterization of Specific Microstructures in RE-BCO Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	2
307	Novel method of tuning the size of Y ₂ BaCuO ₅ particles and their influence on the physical properties of bulk YBa ₂ Cu ₃ O _{7-δ} superconductor. <i>Applied Physics Express</i> , 2019 , 12, 063002	2.4	8
306	Transmission EBSD (t-EBSD) as Tool to Investigate Nanostructures in Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 3155-3163	1.5	3
305	Superconducting YBCO Foams as Trapped Field Magnets. <i>Materials</i> , 2019 , 12,	3.5	11
304	. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	6
303	Comparison of Temperature and Field Dependencies of the Critical Current Densities of Bulk YBCO, MgB ₂ , and Iron-Based Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	4
302	Analysis of the microstructure of bulk MgB using TEM, EBSD and t-EBSD. <i>Journal of Microscopy</i> , 2019 , 274, 123-131	1.9	6

301	2-D Numerical Modeling of a Bulk HTS Magnetization Based on H Formulation Coupled With Electrical Circuit. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
300	Microstructure and Flux Pinning of Reacted-and-Pressed, Polycrystalline BaKFeAs Powders. <i>Materials</i> , 2019 , 12,	3.5	2
299	Porous high-Tc superconducting cuprates: Advantages and applications. <i>Journal of Physics: Conference Series</i> , 2019 , 1293, 012009	0.3	
298	Microstructure and properties of superconducting, ferromagnetic and hybrid nanowire networks of La _{1.85} Sr _{0.15} CuO ₄ and La _{0.5} Sr _{0.5} MnO ₃ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 625, 012028	0.4	1
297	Comparison of human and bovine dental enamel by TEM and t-EBSD investigations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 625, 012006	0.4	4
296	Flux Pinning Analysis of Superconducting YBCO Foam Struts. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	5
295	Magneto-resistance and structural characterization of electrospun La _{1-x} B _x MnO ₃ nanowire network fabrics with x = 0.2. <i>Solid State Communications</i> , 2019 , 290, 37-41	1.6	6
294	Magnetic Characterization of Bulk C-Added MgB ₂ . <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	1
293	Properties of La _{1.85} Sr _{0.15} CuO ₄ /La _{0.7} Sr _{0.3} MnO ₃ hybride nanowire networks prepared by electrospinning. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 475, 741-745	2.8	3
292	Enhanced Critical Current Density in Bulk MgB ₂ . <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	5
291	Human dental enamel: A natural nanotechnology masterpiece investigated by TEM and t-EBSD. <i>Nano Research</i> , 2018 , 11, 3911-3921	10	11
290	. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	3
289	Giant Enhancement of Magnetostrictive Response in Directionally-Solidified FeGaEr Compounds. <i>Materials</i> , 2018 , 11,	3.5	13
288	Porous high-Tc superconductors and their applications. <i>AIMS Materials Science</i> , 2018 , 5, 1199-1213	1.9	14
287	Electrotransport and magnetic measurements on bulk FeSe superconductors. <i>Journal of Physics: Conference Series</i> , 2018 , 1054, 012018	0.3	6
286	TEM and electron backscatter diffraction analysis (EBSD) on superconducting nanowires. <i>Journal of Physics: Conference Series</i> , 2018 , 1054, 012005	0.3	8
285	Preparation of granular Bi-2212 nanowires by electrospinning. <i>Superconductor Science and Technology</i> , 2017 , 30, 035014	3.1	22
284	Simulation of Field Dependence of Critical Current Densities of Bulk High Tc Superconducting Materials regarding Thermally Activated Flux Motion. <i>Journal of Physics: Conference Series</i> , 2017 , 871, 012023	0.3	

283	Production and Characterization of Bulk MgB ₂ Material made by the Combination of Crystalline and Carbon Coated Amorphous Boron Powders. <i>Journal of Physics: Conference Series</i> , 2017 , 871, 012058	0.3	
282	Pinning force scaling of electrospun Bi-2212 nanowire networks. <i>Solid State Communications</i> , 2017 , 264, 16-18	1.6	3
281	Analysis of magnetization loops of electrospun nonwoven superconducting fabrics. <i>Physical Review Materials</i> , 2017 , 1,	3.2	12
280	Improved critical current densities in bulk FeSe superconductor using ball milled powders and high temperature sintering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 3214-3220	1.6	9
279	Advanced Characterization of Multiferroic Materials by Scanning Probe Methods and Scanning Electron Microscopy 2016 , 400-434		
278	Pinning force scaling analysis of Fe-based high-T _c superconductors. <i>International Journal of Modern Physics B</i> , 2016 , 30, 1630017	1.1	18
277	Electric transport measurements on bulk, polycrystalline MgB ₂ samples prepared at various reaction temperatures. <i>Journal of Physics: Conference Series</i> , 2016 , 695, 012004	0.3	6
276	EBSA analysis of MgB ₂ bulk superconductors. <i>Superconductor Science and Technology</i> , 2016 , 29, 044007	3.1	14
275	Relaxation and pinning in spark-plasma sintered MgB ₂ superconductor. <i>Superconductor Science and Technology</i> , 2016 , 29, 025006	3.1	12
274	High Magnetic Field Generated by Bulk MgB ₂ Prepared by Spark Plasma Sintering. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	17
273	Commercial alumina templates as base to fabricate 123-type high-T _c superconductor nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 1069-1076	1.6	4
272	Record critical current densities in IG processed bulk YBa ₂ Cu ₃ O _y fabricated using ball-milled Y ₂ Ba ₁ Cu ₁ O ₅ phase. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 443-449	1.6	13
271	Magnetic properties of electrospun non-woven superconducting fabrics. <i>AIP Advances</i> , 2016 , 6, 035115	1.5	17
270	Transport and Magnetic Measurements on Bi ₂ Sr ₂ CaCu ₂ O ₈ Nanowire Networks Prepared Via Electrospinning. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	14
269	Microstructure, critical current density and trapped field experiments in IG-processed Y-123. <i>Superconductor Science and Technology</i> , 2016 , 29, 054003	3.1	13
268	Microstructural and magnetic analysis of a superconducting foam and comparison with IG-processed bulk samples. <i>Journal of Physics: Conference Series</i> , 2016 , 695, 012002	0.3	7
267	Improvement of the Magnetization of a Superconducting Bulk using an Iron Core. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	13
266	Optimization of sintering conditions in bulk MgB ₂ material for improvement of critical current density. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 833-842	5.7	33

265	Critical current densities in Ag-added bulk MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2015 , 518, 36-39	1.3	9
264	Low temperature scanning force microscopy using piezoresistive cantilevers. <i>Measurement Science and Technology</i> , 2015 , 26, 085903	2	1
263	Synthesis and characterization of electrospun superconducting (La,Sr)CuO ₄ nanowires and nanoribbons. <i>Materials Research Express</i> , 2015 , 2, 095022	1.7	15
262	Improvement in the Performance of Bulk MgB ₂ Material through Optimization of Sintering Process. <i>Physics Procedia</i> , 2015 , 65, 73-76		4
261	High critical current densities in bulk MgB ₂ fabricated using amorphous boron. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 2141-2145	1.6	16
260	Effects of Silver Addition on Critical Current Densities and Mechanical Properties in Bulk MgB ₂ . <i>Advanced Engineering Materials</i> , 2015 , 17, 831-838	3.5	24
259	Pinning force scaling and its analysis in the LRE-123 ternary compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 496, 23-27	1.3	6
258	Optimization of processing conditions towards high trapped fields in MgB ₂ bulks. <i>Journal of Alloys and Compounds</i> , 2014 , 608, 102-109	5.7	41
257	Microstructural Analysis of Electrochemical Coated Open-Cell Metal Foams by EBSD and Nanoindentation. <i>Advanced Engineering Materials</i> , 2014 , 16, 15-20	3.5	23
256	Position-dependent analysis of nanostripes in bulk light-rare-earth superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 496, 35-38	1.3	2
255	Analysis of the microstructure of superconducting YBCO foams by means of AFM and EBSD. <i>Journal of Advanced Ceramics</i> , 2014 , 3, 317-325	10.7	13
254	Fabrication of MgB ₂ Bulk Magnets with High Critical Currents. <i>Advances in Science and Technology</i> , 2014 , 95, 196-201	0.1	1
253	High Critical Currents in Single Grain YBa ₂ Cu ₃ O _y Bulk Superconductors Produced by Infiltration-Growth. <i>Advances in Science and Technology</i> , 2014 , 95, 181-185	0.1	2
252	. <i>IEEE Transactions on Magnetism</i> , 2014 , 50, 1-4	2	16
251	Recent developments in melt processed Gd-123 and MgB ₂ materials at RTRI. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 496, 5-10	1.3	5
250	Fabrication of bulk YBaCuO superconductors with high critical current densities through the infiltration-growth process. <i>Cryogenics</i> , 2014 , 63, 129-132	1.8	20
249	Applications of the electron backscatter diffraction technique to ceramic materials. <i>Phase Transitions</i> , 2013 , 86, 651-660	1.3	22
248	Influence of Field Decrements on the Relaxation Behavior of Thin High- T_c Superconductors Measured Using a Levitation Balance. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 8200108-8200108	1.8	18

247	In der Schwebe. <i>Physik in Unserer Zeit</i> , 2011 , 42, 285-289	0.1	
246	The interaction of nanostripes and the twin structure in light-rare-earth-element-based 123-type high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 66-70	1.3	1
245	Evidence for a directed π c -type flux pinning by means of nanostripes in (Sm 0.33 Eu 0.33 Gd 0.33)Ba 2 Cu 3 O y high-T c superconductors. <i>Europhysics Letters</i> , 2010 , 89, 47002	1.6	6
244	Measurement of levitation forces of high-T _c superconductors. <i>Physics Education</i> , 2010 , 45, 42-49	0.8	3
243	Texture analysis of melt-spun Ni-Mn-Ga tapes by means of electron backscatter diffraction (EBSD). <i>Journal of Physics: Conference Series</i> , 2010 , 200, 082013	0.3	1
242	HF-MFM imaging of stray fields from perpendicular write heads. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 112004	0.3	1
241	Study of the magnetic flux density distribution of nickel coated aluminum foams. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 082011	0.3	6
240	EBSD analysis of the microtexture of Ba-hexaferrite samples. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 082014	0.3	5
239	Study of grain morphology of various magnetite samples by means of EBSD. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072053	0.3	1
238	Permalloy nanostructures for magneto-impedance measurements. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072031	0.3	
237	EBSD analysis of electroplated magnetite thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1235-1238	2.8	2
236	High-frequency properties of stray fields emanating from hard disk writer poles up to 2 GHz. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1694-1696	2.8	9
235	Different types of ferrite thin films as magnetic cantilever coating for magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1697-1699	2.8	3
234	Advanced microstructural analysis of ferrite materials by means of electron backscatter diffraction (EBSD). <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1178-1181	2.8	7
233	Microstructure and magnetic properties of BaTiO ₃ (Ni,Zn)Fe ₂ O ₄ multiferroics. <i>Thin Solid Films</i> , 2010 , 518, 4730-4733	2.2	4
232	Embedding of nanoparticles as flux pinning sites in superconducting samples. <i>Thin Solid Films</i> , 2010 , 518, 4734-4737	2.2	
231	Electrodeposition of Nanocrystalline Metals on Open Cell Metal Foams: Improved Mechanical Properties. <i>ECS Transactions</i> , 2009 , 25, 165-172	1	16
230	Topochemical growth of textured polycrystalline barium hexaferrite from oriented antiferromagnetic alpha-FeOOH nanorods. <i>Nanotechnology</i> , 2009 , 20, 445606	3.4	12

229	Theoretical Description of the High-Frequency Magnetic Force Microscopy Technique. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3228-3232	2	4
228	Analysis of Grain Shape and Orientation in BaFe ₁₂ O ₁₉ -Ferrites Using Electron Backscatter Diffraction (EBSD). <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4219-4222	2	4
227	High-frequency MFM characterization of magnetic recording writer poles. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 235-240	2.6	2
226	Multiferroika. Materialien mit ferroelektrischer und -magnetischer Ordnung. <i>Physik in Unserer Zeit</i> , 2009 , 40, 132-137	0.1	1
225	Observation of nanostripes and -clusters in (Nd,EuGd)Ba ₂ Cu ₃ O _x superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 168-176	1.3	6
224	Direct observation of nanometer-scale pinning sites in (Nd _{0.33} Eu _{0.20} Gd _{0.47})Ba ₂ Cu ₃ O _{7-δ} single crystals. <i>Europhysics Letters</i> , 2008 , 83, 37005	1.6	5
223	T _c -dependence of energy gap and asymmetry of coherence peaks in NdBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Europhysics Letters</i> , 2008 , 84, 47004	1.6	4
222	Excitation of a bosonic mode by electron tunneling into a cuprate superconductor NdBa ₂ Cu ₃ O _{7-δ} <i>Physical Review B</i> , 2008 , 78,	3.3	7
221	Pinning performance of (Nd _{0.33} Eu _{0.2} Gd _{0.47})Ba ₂ Cu ₃ O ₇ single crystal. <i>Journal of Physics: Conference Series</i> , 2008 , 97, 012191	0.3	
220	Microtexture of magnetite thin films of (001) and (111) orientations on MgO substrates studied by electron-backscatter diffraction. <i>Journal of Applied Physics</i> , 2008 , 103, 07E505	2.5	4
219	Study of grain boundary properties in Ag-clad Bi ₂ Sr ₂ Ca ₂ Cu ₃ O _x tapes by multi-phase electron backscatter diffraction analysis. <i>Journal of Physics: Conference Series</i> , 2008 , 94, 012011	0.3	1
218	EBSD analysis of melt-textured YBCO with embedded Ag-2411 nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 65-68	3.1	6
217	Advanced cantilevers for magnetic force microscopy and high frequency magnetic force microscopy. <i>Scanning</i> , 2008 , 30, 27-34	1.6	4
216	Preparation of thin ferrite films on silicon using RF sputtering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1783-1786	1.6	5
215	Characterization of electroplated, thick permalloy films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1809-1812	1.6	3
214	Study of cross-sections of magnetite thin films by means of electron backscatter diffraction (EBSD). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1835-1838	1.6	1
213	Texture analysis of monofilamentary, Ag-sheathed (Pb,Bi) ₂ Sr ₂ Ca ₂ Cu ₃ O _x tapes by electron backscatter diffraction (EBSD). <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 174-182	1.3	8
212	Nanostripes in GdBa ₂ Cu ₃ O _x high-T _c superconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 74-78	3.1	2

211	Investigation of melt-textured superconductors on the nanoscale. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 47-52	3.1	3
210	Pinning performance of (Nd,Eu,Gd)-123 superconductors: Comparison of melt-textured pellet and single crystal. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 25-30	3.1	5
209	Ion damage during preparation of nanostructures in magnetite by means of focused ion-beam (FIB) milling. <i>Superlattices and Microstructures</i> , 2008 , 44, 468-475	2.8	3
208	Patterning of permalloy thin films by means of electron-beam lithography and focused ion-beam milling. <i>Superlattices and Microstructures</i> , 2008 , 44, 699-704	2.8	5
207	Analysis of twin boundaries using the electron backscatter diffraction (EBSD) technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 60-64	3.1	9
206	EBSD analysis of the growth of (001) magnetite thin films on MgO substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 144, 64-68	3.1	2
205	Crystallographic Orientation of Y2Ba4CuMOx (M=Nb, Zr, Ag) Nanoparticles Embedded in Bulk, Melt-Textured YBCO Studied by EBSD. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2582-2588	3.8	27
204	Optimization of high-frequency magnetic force microscopy by ferrite-coated cantilevers. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 206-209	2.8	5
203	Preparation of ferrite-coated MFM cantilevers. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e666-e669	2.8	9
202	Electron backscatter diffraction analysis applied to [0 0 1] magnetite thin films grown on MgO substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e663-e665	2.8	5
201	Observation of Stray Fields From Hard-Disk Writer Poles up to 2 GHz. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2205-2207	2	13
200	Preparation of ferrite-coated magnetic force microscopy cantilevers. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 1679		5
199	Nanostripe structures in SmBa2Cu3Ox superconductors. <i>Superconductor Science and Technology</i> , 2007 , 20, 681-686	3.1	8
198	Misorientations in [001] magnetite thin films studied by electron backscatter diffraction and magnetic force microscopy. <i>Journal of Applied Physics</i> , 2007 , 101, 09M507	2.5	8
197	Nanostripes in (Nd0.33Eu0.28Gd0.38)Ba2Cu3Ox superconductors. <i>Applied Physics Letters</i> , 2007 , 91, 082508	3.1	7
196	Optimization of the HF-MFM technique. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 591-595	0.3	8
195	Observation of an inelastic scattering mode by scanning tunneling spectroscopy on NdBa2Cu3Ox. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 234-238	0.3	2
194	Search for the optimally suited cantilever type for high-frequency MFM. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 596-600	0.3	2

193	Nanostripes in (Nd,Eu,Gd)Ba ₂ Cu ₃ O _x (NEG) Single Crystals. <i>Microscopy and Microanalysis</i> , 2007 , 13, 356-357		2
192	EBSD-Analysis of Nanoparticles Embedded in High-Tc Superconductors. <i>Microscopy and Microanalysis</i> , 2007 , 13, 360-361		0.5
191	Misorientations in [0 0 1] Magnetite Thin Films Studied by Electron Backscatter Diffraction. <i>Microscopy and Microanalysis</i> , 2007 , 13, 362-363		0.5
190	Crystallographic Orientation Analyses of Magnetite Thin Films Using Electron Backscatter Diffraction (EBSD). <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 2873-2875	2	12
189	An electron backscatter diffraction investigation of crystallographic orientations of embedded nanoparticles within melt-textured YBCO high temperature superconductors. <i>Superconductor Science and Technology</i> , 2006 , 19, S562-S566	3.1	17
188	High Frequency Magnetic Force Microscopy-Imaging of Harddisk Write Heads. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2238-2241	1.4	29
187	Stripe and Criss-Cross Patterns in High-Tc Superconductors Revealed by Atomic Force Microscopy and Scanning Tunnelling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2259-2263	1.4	13
186	Grain orientations and distribution of Y ₂ Ba ₄ CuUO _x phase in melt-textured YBCO with addition of depleted uranium oxide studied by EBSD. <i>Superconductor Science and Technology</i> , 2006 , 19, S567-S571	3.1	5
185	Recent progress on compositional nanostripes of REBa ₂ Cu ₃ O _{7-x} (RE = Sm,Eu,Gd) superconductors. <i>Superconductor Science and Technology</i> , 2006 , 19, S580-S584	3.1	7
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182	Nanoscale stripe structures in SmBCO superconductors. <i>Journal of Physics: Conference Series</i> , 2006 , 43, 337-340	0.3	1
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178	Comparative study of grain orientation in melt-textured HTSC with different additions. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 618-624	1.3	11
177	Temperature-dependent scaling of pinning force data in Bi-based high-Tc superconductors. <i>European Physical Journal B</i> , 2005 , 44, 277-280	1.2	22
176	Interplay of YBCO and Embedded 211 Particles in Melt-Textured YBCO Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005 , 18, 469-474		11

175	OIM and X-ray texture analysis of melt-textured YBCO superconductors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1708-1713		1
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171	Formation and behaviour of macrovortices during a turbulent relaxation process in high-Tc superconductors. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 2723-2732	1.8	1
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166	Effects of subgrains on critical current properties in melt-processed REBaCuO bulk superconductors. <i>Superconductor Science and Technology</i> , 2004 , 17, S61-S65	3.1	7
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158	Magnetic force microscopy applied in magnetic data storage technology. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 879-884	2.6	10

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151	Microstructural studies of K2CO3 and Rb2CO3 doped YBCO HTSC. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 596-600	1.3	2
150	Position-dependent texture analysis of melt-textured YBCO by means of electron backscatter diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 607-612	1.3	1
149	Characterization of bulk superconductors through EBSD methods. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 545-556	1.3	23
148	Apparent Non-Scaling of Pinning Force Data in Bi-Based High-Tc Superconductors. <i>Physica Status Solidi A</i> , 2002 , 189, r1-r3		3
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141	Application of electron backscatter diffraction to bulk high-Tc superconductors. <i>Superconductor Science and Technology</i> , 2002 , 15, 796-802	3.1	29
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126	The low-field peak in magnetization loops of uniform and granular superconductors in perpendicular magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1443-1444	1.3	3
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113	A Comparison of Low Temperature Elastic Behaviour between MLET-Processed Nd-Ba-Cu-O and Y-Ba-Cu-O Superconductors 2000 , 518-520		
112	Embedding of Secondary Phase 211 Particles in Melt-Textured Ternary (Nd,Eu,Gd)-Ba-Cu-O 2000 , 494-496		
111	Exploring The Ternary Superconductors of the Type (Nd,Eu,Gd)-Ba-CuO 2000 , 443-445		
110	Preparation of (Nd,Eu,Gd)-Ba-Cu-O Single Crystals 2000 , 251-253		
109	Polarized Light Microscopy Characterization of (Nd,Eu,Gd)-123 Superconductors Prepared by OCMG Process 2000 , 488-490		1
108	Flux Pinning in Melt-Processed (Nd _{0.25} Sm _{0.25} Eu _{0.25} Gd _{0.25}) Ba ₂ Cu ₃ O _y Superconductors 2000 , 491-493		
107	Granularity and the central peak in magnetization loops of thin Superconductors 2000 , 332-334		
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77	Magneto-optic imaging of flux penetration into an artificially granular high-T _c superconductor 1999 , 693-696		1
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75	Magnetic properties of (Nd _{0.33} Eu _{0.33} Gd _{0.33})Ba ₂ Cu ₃ O _y doped by additional Gd-211 particles 1999 , 243-246		
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34	Study of flux behavior in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystal in external magnetic fields up to 1 T. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 249, 339-349	1-3	23
33	Dynamic contribution to the fishtail effect in a twin-free DyBa ₂ Cu ₃ O ₇ - δ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 265-274	1-3	20
32	Magneto-optical investigations of superconductors. <i>Superconductor Science and Technology</i> , 1995 , 8, 199-213	3-1	235

31	Observation of current-discontinuity lines in type-II superconductors. <i>Physical Review B</i> , 1994 , 49, 3443-3452	3.5	125
30	Flux motion in thin superconductors with inhomogeneous pinning. <i>Physical Review B</i> , 1994 , 50, 16684-16707	3.7	81
29	Flux penetration in granular YBa ₂ Cu ₃ O _{7-δ} samples. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 219, 205-212	1.3	32
28	Fishtails in 123-superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2833-2834	3.4	23
27	Large fishtail effect in DyBa ₂ Cu ₃ O _{7-δ} single crystals containing columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2839-2840	1.3	6
26	Angular scaling of critical current measurements on laser-ablated YBa ₂ Cu ₃ O _{7-δ} thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3053-3054	1.3	12
25	Flux visualization in high-T _c superconductors using a high-resolution magneto-optical microscope. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2699-2700	1.3	4
24	Magneto-optical imaging of Shubnikov phase. <i>Journal of Alloys and Compounds</i> , 1993 , 195, 483-490	5.7	1
23	Enhancement of critical current densities by heavy-ion irradiation in YBa ₂ Cu ₃ O _{7-δ} observed using the high-resolution Faraday effect. <i>Physical Review B</i> , 1993 , 47, 373-383	3.3	33
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21	Flux penetration of melt-processed YBa ₂ Cu ₃ O _{7-δ} : Direct observation of anisotropy. <i>Journal of Applied Physics</i> , 1993 , 74, 3307-3311	2.5	26
20	Influence of additions and radiation damage on the superconducting properties of sintered YBa ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 211, 263-278	1.3	18
19	Study of flux distributions in high-T _c single crystals and thin films using magneto-optic techniques. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 209, 259-262	1.3	44
18	Influence of low magnetic fields on the transport properties of sintered YBa ₂ Cu ₃ O _{7-δ} with different grain sizes. <i>Superconductor Science and Technology</i> , 1992 , 5, 614-620	3.1	17
17	Influence of Irradiation-Induced Latent Tracks on Local Flux Pinning in Bi-2212 Crystals. <i>Europhysics Letters</i> , 1992 , 19, 323-328	1.6	35
16	Observation of flux penetration in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} crystals with irradiation-induced columnar defects. <i>Physical Review B</i> , 1992 , 46, 8496-8504	3.3	33
15	Observation of inverse domains in high T _c superconductors. <i>Journal of Applied Physics</i> , 1992 , 72, 1478-1485	4.5	28
14	Variation of grain sizes in sintered YBa ₂ Cu ₃ O _{7-δ} by different sintering conditions. <i>Materials Letters</i> , 1992 , 14, 189-192	3.3	8

13	Influence of Microstructure on Superconducting Properties of YBa ₂ Cu ₃ O ₇ Studied by Means of AC-Susceptibility. <i>Physica Status Solidi A</i> , 1992 , 129, 509-517		6
12	Current-induced domain movement in high-T _c single crystals. <i>Physica Status Solidi A</i> , 1992 , 130, 429-447		9
11	Geometry dependence of intergranular currents in sintered YBa ₂ Cu ₃ O ₇ <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 202, 249-255	1.3	3
10	Flux-lines of inversed sign in YBa ₂ Cu ₃ O ₇ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 196, 373-382	1.3	32
9	Magneto-optical study of flux penetration in heavy-ion irradiated high-T _c single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 203-222	1.3	31
8	Direct observation of flux-creep in high-T _c superconductors using the high-resolution Faraday effect. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 190, 557-562	1.3	21
7	Effect of oxygen disorder on superconductivity-induced self-energy effects in impurity-free YBa ₂ Cu ₃ O ₇ <i>Solid State Communications</i> , 1991 , 80, 643-647	1.6	51
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