

# Xavier Obradors

## 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.

587  
papers

13,375  
citations

52  
h-index

91  
g-index

598  
ext. papers

14,070  
ext. citations

3.7  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
587	Volume Resistive Switching in Metallic Perovskite Oxides Driven by the Metal-Insulator Transition. <i>Kluwer International Series in Electronic Materials: Science and Technology</i> , <b>2022</b> , 289-310		
586	Normal zone propagation in various REBCO tape architectures. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 055009	3.1	1
585	Chemical Solution Deposition of Insulating Yttria Nanolayers as Current Flow Diverter in Superconducting GdBaCuO Coated Conductors.. <i>ACS Omega</i> , <b>2022</b> , 7, 15315-15325	3.9	
584	Ultra-high critical current densities of superconducting YBaCuO thin films in the overdoped state. <i>Scientific Reports</i> , <b>2021</b> , 11, 8176	4.9	5
583	Low-Fluorine Ba-Deficient Solutions for High-Performance Superconducting YBCO Films. <i>Coatings</i> , <b>2021</b> , 11, 199	2.9	2
582	Combinatorial Screening of Cuprate Superconductors by Drop-On-Demand Inkjet Printing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 9101-9112	9.5	6
581	High Performance of Superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Thick Films Prepared by Single-Deposition Inkjet Printing. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3948-3961	4	2
580	Vortex pinning properties at dc and microwave frequencies of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films with nanorods and nanoparticles. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 074006	3.1	6
579	Nanoscale Correlations between Metal-Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. <i>Small</i> , <b>2020</b> , 16, e2001307	11	8
578	Relevance of the Formation of Intermediate Non-Equilibrium Phases in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Film Growth by Transient Liquid-Assisted Growth. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 15574-15584	3.8	6
577	Embedded Magnetism in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Associated with Cu <sup>2+</sup> Vacancies within Nanoscale Intergrowths: Implications for Superconducting Current Performance. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3050-3059	5.6	2
576	Pyrolysis study of solution-derived superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films: disentangling the physico-chemical transformations. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10266-10282	7.1	4
575	Suppression of superconductivity at the nanoscale in chemical solution derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films with defective Y <sub>2</sub> Ba <sub>4</sub> Cu <sub>8</sub> O <sub>16</sub> intergrowths. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 3384-3393	5.1	2
574	Local strain-driven migration of oxygen vacancies to apical sites in YBaCuO. <i>Nanoscale</i> , <b>2020</b> , 12, 5922-5931	9.7	6
573	Intrinsic anisotropy and pinning anisotropy in nanostructured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> from microwave measurements. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 044017	3.1	7
572	Ultrafast transient liquid assisted growth of high current density superconducting films. <i>Nature Communications</i> , <b>2020</b> , 11, 344	17.4	18
571	Hybrid approach to obtain high-quality BaMO perovskite nanocrystals.. <i>RSC Advances</i> , <b>2020</b> , 10, 28872-28878	3.7	2

570	Using evolved gas analysis mass spectrometry to characterize adsorption on a nanoparticle surface. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2740-2747	5.1	3
569	Thermal decomposition of CuProp2: In-situ analysis of film and powder pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 140, 312-320	6	9
568	Radical and oxidative pathways in the pyrolysis of a barium propionate-acetate salt. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 141, 104640	6	8
567	Depairing Current at High Magnetic Fields in Vortex-Free High-Temperature Superconducting Nanowires. <i>Nano Letters</i> , <b>2019</b> ,	11.5	6
566	Control of nanostructure and pinning properties in solution deposited YBaCuO nanocomposites with preformed perovskite nanoparticles. <i>Scientific Reports</i> , <b>2019</b> , 9, 5828	4.9	23
565	Accelerated growth by flash heating of high critical current trifluoroacetate solution derived epitaxial superconducting YBa2Cu3O7 films. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4748-4759	7.1	13
564	Engineering Oxygen Migration for Homogeneous Volume Resistive Switching in 3-Terminal Devices. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800629	6.4	12
563	Intrinsic anisotropy versus effective pinning anisotropy in YBa2Cu3O7 thin films and nanocomposites. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	10
562	Status of the European Union Project FASTGRID. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	33
561	Effect of triethanolamine on the pyrolysis of metal-propionate-based solutions. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 143, 104685	6	3
560	Direct observation of apical oxygen vacancies in the high-temperature superconductor YBa2Cu3O7. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	11
559	Growth of all-chemical high critical current YBa2Cu3O7 thick films and coated conductors. <i>Superconductor Science and Technology</i> , <b>2019</b> , 32, 015004	3.1	17
558	Band Gap Tuning of Solution-Processed Ferroelectric Perovskite BiFe Co O Thin Films. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 947-954	9.6	34
557	Thermoelectric stack sample cooling modification of a commercial atomic force microscopy. <i>Ultramicroscopy</i> , <b>2019</b> , 196, 186-191	3.1	2
556	Disentangling vortex pinning landscape in chemical solution deposited superconducting YBa2Cu3O7 films and nanocomposites. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 034004	3.1	30
555	Epitaxial YBa2Cu3O7 nanocomposite films and coated conductors from BaMO3(M= Zr, Hf) colloidal solutions. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 044001	3.1	18
554	Tunable Self-Assembly of YF Nanoparticles by Citrate-Mediated Ionic Bridges. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2127-2134	16.4	19
553	Diminish electrostatic in piezoresponse force microscopy through longer or ultra-stiff tips. <i>Applied Surface Science</i> , <b>2018</b> , 439, 577-582	6.7	38

552	Angular flux creep contributions in YBaCuO nanocomposites from electrical transport measurements. <i>Scientific Reports</i> , <b>2018</b> , 8, 5924	4.9	4
551	Thermal decomposition of yttrium propionate: film and powder. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2018</b> , 133, 225-233	6	17
550	Vortex Lattice Instabilities in YBaCuO Nanowires. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
549	Inkjet Printing Multideposited YBCO on CGO/LMO/MgO/Y2O3/Al2O3/Hastelloy Tape for 2G-Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	6
548	Electrochemical Tuning of Metal Insulator Transition and Nonvolatile Resistive Switching in Superconducting Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30522-30531	9.5	12
547	Defect landscape and electrical properties in solution-derived LaNiO3 and NdNiO3 epitaxial thin films. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	5
546	High critical current nanocomposite REBa2Cu3O7 (RE = rare earth) tapes: towards a new era of ultra-high field magnetism. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 110501	3.1	1
545	Faceted-Charge Patchy LnF Nanocrystals with a Selective Solvent Interaction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14747-14751	16.4	3
544	Faceted-Charge Patchy LnF3 Nanocrystals with a Selective Solvent Interaction. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14963-14967	3.6	1
543	Novel Fe3O4@GNF@SiO2 nanocapsules fabricated through the combination of an in situ formation method and SiO2 coating process for magnetic resonance imaging. <i>RSC Advances</i> , <b>2017</b> , 7, 24690-24697	3.7	7
542	Untangling surface oxygen exchange effects in YBaCuO thin films by electrical conductivity relaxation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14129-14140	3.6	9
541	Hybrid YBa2Cu3O7 Superconducting/Ferromagnetic Nanocomposite Thin Films Prepared from Colloidal Chemical Solutions. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700037	6.4	11
540	Preparation of YBCO-BYTO and YBCO-BZO nanostructured superconducting films by chemical method. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 786, 012017	0.3	1
539	Unveiling the Nucleation and Coarsening Mechanisms of Solution-Derived Self-Assembled Epitaxial Ce0.9Gd0.1O2 Nanoparticles. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 504-516	3.5	16
538	Piezo-generated charge mapping revealed through direct piezoelectric force microscopy. <i>Nature Communications</i> , <b>2017</b> , 8, 1113	17.4	32
537	Epitaxial superconducting GdBa2Cu3O7/F-Gd2O3 nanocomposite thin films from advanced low-fluorine solutions. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 125010	3.1	23
536	Competition between Superconductor - Ferromagnetic stray magnetic fields in YBaCuO films pierced with Co nano-rods. <i>Scientific Reports</i> , <b>2017</b> , 7, 5663	4.9	18
535	Axiotaxy in oxide heterostructures: Preferential orientation of BaCeO3 nanoparticles embedded in superconducting YBa2Cu3O7 thin films. <i>Thin Solid Films</i> , <b>2017</b> , 638, 105-113	2.2	1

534	Volume Resistive Switching in metallic perovskite oxides driven by the Metal-Insulator Transition. <i>Journal of Electroceramics</i> , <b>2017</b> , 39, 185-196	1.5	18
533	Melting temperature of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> and GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> at subatmospheric partial pressure. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 692, 787-792	5.7	12
532	Inkjet-Printed Chemical Solution Y <sub>2</sub> O <sub>3</sub> Layers for Planarization of Technical Substrates. <i>Coatings</i> , <b>2017</b> , 7, 227	2.9	3
531	Probing localized strain in solution-derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> /nanocomposite thin films. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	18
530	Composite films combining electrospun fiber network and epitaxial oxide by chemical solution deposition. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 277-284	2.3	2
529	Functional behavior of the anomalous magnetic relaxation observed in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> samples showing the paramagnetic Meissner effect. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 529, 44-49	1.3	0
528	Ultra-fast microwave-assisted reverse microemulsion synthesis of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core-shell nanoparticles as a highly recyclable silver nanoparticle catalytic platform in the reduction of 4-nitroaniline. <i>RSC Advances</i> , <b>2016</b> , 6, 88762-88769	3.7	22
527	Disentangling Epitaxial Growth Mechanisms of Solution Derived Functional Oxide Thin Films. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600392	4.6	24
526	Unique nanostructural features in Fe, Mn-doped YBCO thin films. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 125009	3.1	9
525	High-field paramagnetic Meissner effect up to 14 T in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 525-526, 105-110	1.3	1
524	Magnetic stability against calcining of microwave-synthesized CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6890-6898	3.6	9
523	Magnetic irreversibility: An important amendment in the zero-field-cooling and field-cooling method. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 023101	1.4	3
522	Solution design for low-fluorine trifluoroacetate route to YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 024002	3.1	34
521	Ultraviolet pulsed laser crystallization of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> films on LaNiO <sub>3</sub> -coated silicon substrates. <i>Ceramics International</i> , <b>2016</b> , 42, 4039-4047	5.1	17
520	Encoding Magnetic States in Monopole-Like Configurations Using Superconducting Dots. <i>Advanced Science</i> , <b>2016</b> , 3, 1600207	13.6	10
519	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	9
518	Superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> /Nanocomposites Using Preformed ZrO <sub>2</sub> Nanocrystals: Growth Mechanisms and Vortex Pinning Properties. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600161	6.4	43
517	Orientation symmetry breaking in self-assembled Ce <sub>1-x</sub> Gd <sub>x</sub> O <sub>2-x</sub> nanowires derived from chemical solutions. <i>RSC Advances</i> , <b>2016</b> , 6, 97226-97236	3.7	7

516	Ultrafast Epitaxial Growth Kinetics in Functional Oxide Thin Films Grown by Pulsed Laser Annealing of Chemical Solutions. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6136-6145	9.6	21
515	Emerging Diluted Ferromagnetism in High- Superconductors Driven by Point Defect Clusters. <i>Advanced Science</i> , <b>2016</b> , 3, 1500295	13.6	34
514	Ultrafast Crystallization of Ce <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>2</sub> Epitaxial Films on Flexible Technical Substrates by Pulsed Laser Irradiation of Chemical Solution Derived Precursor Layers. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1957-1967	3.5	12
513	Effect of the axial stress and the magnetic field on the critical current and the electric resistance of the joints between HTS coated conductors. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 064001	3.1	15
512	Resistive switching in CeO <sub>2</sub> /La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> bilayer for non-volatile memory applications. <i>Microelectronic Engineering</i> , <b>2015</b> , 147, 37-40	2.5	23
511	Induced shape controllability by tailored precursor design in thermal and microwave-assisted synthesis of (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	12
510	Nanocrystalline Ferroelectric BiFeO <sub>3</sub> Thin Films by Low-Temperature Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6322-6328	9.6	20
509	Geometrically controlled ratchet effect with collective vortex motion. <i>New Journal of Physics</i> , <b>2015</b> , 17, 073022	2.9	8
508	Epitaxial YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> nanocomposite thin films from colloidal solutions. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 124007	3.1	43
507	Surface Charge Reversal Method for High-Resolution Inkjet Printing of Functional Water-Based Inks. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 768-775	15.6	10
506	Chemical solution growth of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanotubes in confined geometries. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 73, 620-627	2.3	1
505	Growth of ferroelectric Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> epitaxial films by ultraviolet pulsed laser irradiation of chemical solution derived precursor layers. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 262903	3.4	21
504	Ruthenium-europium configuration in the Eu <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> pyrochlore. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C702	2.5	0
503	Thermal analysis of metal organic precursors for functional oxide preparation: Thin films versus powders. <i>Thermochimica Acta</i> , <b>2015</b> , 601, 1-8	2.9	28
502	High pinning performance of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films added with Y <sub>2</sub> O <sub>3</sub> nanoparticulate defects. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 024002	3.1	35
501	In situ study through electrical resistance of growth rate of trifluoroacetate-based solution-derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 024006	3.1	13
500	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. <i>Journal of Applied Crystallography</i> , <b>2014</b> , 47, 414-420	3.8	36
499	Ferromagnetic 1D oxide nanostructures grown from chemical solutions in confined geometries. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 2042-54	58.5	14

498	Paramagnetic moments in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> nanocomposite films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 503, 175-177	1.3	5
497	Hybrid sol-gel layers containing CeO <sub>2</sub> nanoparticles as UV-protection of plastic lenses for concentrated photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 120, 175-182	6.4	46
496	Low Temperature Stabilization of Nanoscale Epitaxial Spinel Ferrite Thin Films by Atomic Layer Deposition. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5368-5374	15.6	36
495	Role of twin boundaries on vortex pinning of CSD YBCO nanocomposites. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 125009	3.1	21
494	Vortex creep in TFA/YBCO nanocomposite films. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 115008	3.1	9
493	Vortex energy landscape from real space imaging analysis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> with different defect structures. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 505, 47-54	1.3	2
492	Direct Monolithic Integration of Vertical Single Crystalline Octahedral Molecular Sieve Nanowires on Silicon. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1019-1028	9.6	11
491	Thickness-concentration-viscosity relationships in spin-coated metalorganic ceria films containing polyvinylpyrrolidone. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 21-29	2.3	6
490	Integration of atomic layer deposition CeO <sub>2</sub> thin films with functional complex oxides and 3D patterns. <i>Thin Solid Films</i> , <b>2014</b> , 553, 7-12	2.2	19
489	Chemical solution route to self-assembled epitaxial oxide nanostructures. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 2200-25	58.5	78
488	Inkjet printing of multifilamentary YBCO for low AC loss coated conductors. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 507, 022010	0.3	8
487	Magnetic vortex evolution in self-assembled La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanoislands under in-plane magnetic field. <i>APL Materials</i> , <b>2014</b> , 2, 076111	5.7	5
486	Size-controlled spontaneously segregated Ba <sub>2</sub> YTaO <sub>6</sub> nanoparticles in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> nanocomposites obtained by chemical solution deposition. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 044008	3.1	36
485	Coated conductors for power applications: materials challenges. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 044003	3.1	255
484	Nanowall pinning for enhanced pinning force in YBCO films with nanofabricated structures. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 506, 178-183	1.3	9
483	Development of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -Ba <sub>2</sub> YTaO <sub>6</sub> nanocomposites by chemical solution deposition. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 568, 022015	0.3	1
482	TEM for Characterization of Nanocomposite Oxide Thin Films: A Case Study on Solution-Derived Lanthanum Strontium Manganites <b>2014</b> , 537-575		1
481	Optical properties of ceria/zirconia epitaxial films grown from chemical solutions. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 138, 462-467	4.4	16

480	Functional oxide nanostructures written by EBL on insulating single crystal substrates. <i>Microelectronic Engineering</i> , <b>2013</b> , 110, 94-99	2.5	3
479	Magnetic and structural characterization of inkjet-printed $\text{TFAYBa}_2\text{Cu}_3\text{O}_{7-x}/\text{MODCZO}/\text{ABADYSZ}/\text{SS}$ coated conductors. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 125004	3.1	14
478	Multiple superconducting transition and phase separation in melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 495, 202-207	1.3	12
477	Flexible manufacturing of functional ceramic coatings by inkjet printing. <i>Thin Solid Films</i> , <b>2013</b> , 548, 489-497	2.7	27
476	Photoemission electron microscopy study of sub-200 nm self-assembled $\text{LaBrLaMnO}_3$ epitaxial islands. <i>Nanoscale</i> , <b>2013</b> , 5, 2990-8	7.7	9
475	Thermoanalytical study of the decomposition of yttrium trifluoroacetate thin films. <i>Thin Solid Films</i> , <b>2013</b> , 545, 200-204	2.2	15
474	Thermal Analysis for Low Temperature Synthesis of Oxide Thin Films from Chemical Solutions. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20133-20138	3.8	37
473	Laser-induced metal organic decomposition for $\text{Ce}_{0.9}\text{Zr}_{0.1}\text{O}_2$ epitaxial thin film growth. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 574, 246-254	5.7	11
472	Thermal decomposition of barium trifluoroacetate thin films. <i>Thermochimica Acta</i> , <b>2013</b> , 556, 58-62	2.9	19
471	One-pot synthesis of stable colloidal solutions of $\text{MFe}_2\text{O}_4$ nanoparticles using oleylamine as solvent and stabilizer. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 966-972	5.1	33
470	Strain-driven broken twin boundary coherence in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanocomposite thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 081906	3.4	33
469	Anomalous electronic and magnetic properties of the $\text{Eu}_2\text{Ru}_2\text{O}_7$ pyrochlore. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17E102	2.5	3
468	Solution-derived $\text{YBa}_2\text{Cu}_3\text{O}_7$ nanocomposite films with a $\text{Ba}_2\text{YTao}_6$ secondary phase for improved superconducting properties. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 015001	3.1	35
467	Integrating UHV (Ultra High Vacuum) and HTS (High Temperature Superconducting) magnets for x-ray synchrotron based experiments. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 102003	0.3	3
466	Synthesis of nanocrystalline ceria thin films by low-temperature thermal decomposition of Ce-propionate. <i>Thin Solid Films</i> , <b>2012</b> , 520, 1949-1953	2.2	27
465	Current Distribution in Wide YBCO Tapes. <i>Physics Procedia</i> , <b>2012</b> , 36, 1625-1630		
464	Epitaxial $\text{BaZrO}_3$ tracks by electrospinning of metalorganic fibers on single crystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 4686	3.3	3
463	Chemical synthesis of oriented ferromagnetic $\text{LaSr}_2\text{MnO}_4$ manganese oxide molecular sieve nanowires. <i>Chemical Communications</i> , <b>2012</b> , 48, 6223-5	5.8	9



462	Guided vortex motion in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films with collective ratchet pinning potentials. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	35
461	Low Temperature Epitaxial Oxide Ultrathin Films and Nanostructures by Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3732-3737	9.6	36
460	The thermal decomposition of barium trifluoroacetate. <i>Thermochimica Acta</i> , <b>2012</b> , 544, 77-83	2.9	32
459	Facile and efficient one-pot solvothermal and microwave-assisted synthesis of stable colloidal solutions of MFe <sub>2</sub> O <sub>4</sub> spinel magnetic nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	62
458	Nucleation and mesostrain influence on percolating critical currents of solution derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting thin films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2012</b> , 482, 58-67	4.3	37
457	Nanoscale magnetic structure and properties of solution-derived self-assembled La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> islands. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 024307	2.5	27
456	Growth, nanostructure and vortex pinning in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films based on trifluoroacetate solutions. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 123001	3.1	139
455	Structural defects in trifluoroacetate derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 065009	3.1	21
454	The memory effect of nanoscale memristors investigated by conducting scanning probe microscopy methods. <i>Beilstein Journal of Nanotechnology</i> , <b>2012</b> , 3, 722-30	3	8
453	Nanoscale strain-induced pair suppression as a vortex-pinning mechanism in high-temperature superconductors. <i>Nature Materials</i> , <b>2012</b> , 11, 329-36	27	262
452	Evolution of yttrium trifluoroacetate during thermal decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 108, 589-596	4.1	37
451	Reduced twinning efficiency and tri-dimensional crack structure in melt-textured NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Bulk samples fragmentation process. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 125017	3.1	2
450	Interface structure governed by plastic and structural dissimilarity in perovskite La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanodots on rock-salt MgO substrates. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 083104	3.4	3
449	Metallic state induced in Eu <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> by hole creation and orbital overlap in the t <sub>2g</sub> bands. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E150	2.5	4
448	Nanocomposite lanthanum strontium manganite thin films formed by using a chemical solution deposition. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 023103	3.4	7
447	Can We Trust on the Thermal Analysis of Metal Organic Powders for thin film preparation?. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1449, 13		6
446	Nanostrain induced pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> nanocomposites even close to the irreversibility line. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 122001	3.1	7
445	Nanostructured Superconductors with Efficient Vortex Pinning <b>2011</b> , 303-349		18

444	Misfit relaxation of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films by a nanodot segregation mechanism. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 041903	3.4	15
443	Single crystalline La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> molecular sieve nanowires with high temperature ferromagnetism. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4053-61	16.4	20
442	Computation of Current Distribution in YBCO Tapes With Defects Obtained From Hall Magnetic Mapping by Inverse Problem Solution. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 3408-3412	1.8	19
441	Ink Jet Printing for Functional Ceramic Coatings. <i>Journal of Imaging Science and Technology</i> , <b>2011</b> , 55, 040304	1.2	10
440	Chemical solution approaches to YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> -Au nanocomposite superconducting thin films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 3245-55	1.3	15
439	High temperature transformation of electrospun BaZrO <sub>3</sub> nanotubes into nanoparticle chains. <i>CrystEngComm</i> , <b>2011</b> , 13, 7224	3.3	10
438	Magnetoresistance in epitaxial thin films of La <sub>0.85</sub> Ag <sub>0.15</sub> MnO <sub>3</sub> produced by polymer assisted deposition. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 083113	3.4	17
437	Study of the in-plane and c-axis fluctuation conductivity of melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> under hydrostatic pressure. <i>European Physical Journal B</i> , <b>2011</b> , 83, 423-428	1.2	8
436	Decomposition processes and structural transformations of cerium propionate into nanocrystalline ceria at different oxygen partial pressures. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 4085-4096	2.3	25
435	Orientation and shape selection of self-assembled epitaxial Ce <sub>1-x</sub> GdxO <sub>2</sub> nanostructures grown by chemical solution deposition. <i>CrystEngComm</i> , <b>2011</b> , 13, 6719	3.3	24
434	Pinning Landscape Analysis in YBCO Films With Epitaxial and/or Non-Coherent BZO Nanoparticles. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 3243-3246	1.8	10
433	Vortex Dynamics in Nanostructured TFA-Grown YBCO Films Studied by Ac Susceptibility. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 3189-3191	1.8	2
432	Interaction between solution derived BaZrO <sub>3</sub> nanodot interfacial templates and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films leading to enhanced critical currents. <i>Acta Materialia</i> , <b>2011</b> , 59, 2075-2082	8.4	29
431	Thermoanalytical study of the formation mechanism of yttria from yttrium acetate. <i>Thermochimica Acta</i> , <b>2011</b> , 521, 84-89	2.9	24
430	Nanoindentation of multilayered epitaxial YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films and coated conductors. <i>Thin Solid Films</i> , <b>2011</b> , 519, 2470-2476	2.2	18
429	Isotropic and anisotropic pinning in TFA-grown YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films with BaZrO <sub>3</sub> nanoparticles. <i>Superconductor Science and Technology</i> , <b>2011</b> , 24, 125010	3.1	30
428	Growth rate control and solid gas modeling of TFA-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin film processing. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 034005	3.1	15
427	Nucleation and growth rate influence on microstructure and critical currents of TFA-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> under low-pressure conditions. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 2371-2379	2.5	13

426	Size-dependent strain in epitaxial (001) gadolinium-doped ceria nanoislands. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 231904	3.4	10
425	Vortex dynamics at high ac amplitudes of trifluoroacetate route grown YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> -BaZrO <sub>3</sub> nanocomposites. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	18
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423	Reversible resistive switching and multilevel recording in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films for low cost nonvolatile memories. <i>Nano Letters</i> , <b>2010</b> , 10, 3828-35	11.5	108
422	Intermediate phase evolution in YBCO thin films grown by the TFA process. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 014012	3.1	41
421	Evolution of Metal-Trifluoroacetate Precursors in the Thermal Decomposition toward High-Performance YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Superconducting Films. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1686-1694	9.6	70
420	Thermodynamic stability analysis of isometric and elongated epitaxial Ce <sub>1-x</sub> Gd <sub>x</sub> O <sub>2-y</sub> nanostructures on perovskite substrates. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	11
419	Fluctuation conductivity in melt-textured YBaCuO samples under low magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012027	0.3	1
418	Two examples of efficient superconducting cable applications. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 234, 032049	0.3	1
417	Current distribution in HTSC tapes obtained by inverse problem calculation. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 234, 012009	0.3	6
416	Paramagnetic Meissner effect at high fields in YCaBaCuO single crystal and melt-textured YBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S111-S112	1.3	7
415	Water determination of precursor solutions with oxidant cations by the Karl Fischer method: the YBCO-TFA case. <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 53, 347-352	2.3	11
414	Vertical (La,Sr)MnO <sub>3</sub> Nanorods from Track-Etched Polymers Directly Buffering Substrates. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 892-897	15.6	16
413	Vortex oscillations in TFA-grown YBCO thin-films with BZO nanoparticles. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 2033-2039	1.3	5
412	Self-organized Ce(1-x)Gd(x)O(2-y) nanowire networks with very fast coarsening driven by attractive elastic interactions. <i>Small</i> , <b>2010</b> , 6, 2716-24	11	20
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409	The role of stacking faults in the critical current density of MOD films through a thickness dependence study. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 015022	3.1	19

408	Strain Relaxation of Self-Nanostructured Solution Derived La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Films. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1174, 1		4
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405	Anisotropic c-axis pinning in interfacial self-assembled nanostructured trifluoroacetate-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 172513	3.4	26
404	All chemical YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting multilayers: Critical role of CeO <sub>2</sub> cap layer flatness. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 1446-1455	2.5	64
403	Enhanced Vortex Pinning in YBCO Coated Conductors With BZO Nanoparticles From Chemical Solution Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3258-3261	1.8	12
402	Detection of Current Distribution in Bulk Samples With Artificial Defects From Inversion of Hall Magnetic Maps. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3553-3556	1.8	5
401	Growth of Chemical Solution Deposited $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3212-3215	1.8	14
400	Nanostructural control in solution-derived epitaxial Ce(1-x)Gd(x)O(2-y) films. <i>Nanotechnology</i> , <b>2008</b> , 19, 395601	3.4	39
399	Atomically Flat Surface: The Key Issue for Solution-Derived Epitaxial Multilayers. <i>Applied Physics Express</i> , <b>2008</b> , 1, 121701	2.4	30
398	Vortex pinning in chemical solution nanostructured YBCO films. <i>Superconductor Science and Technology</i> , <b>2008</b> , 21, 034008	3.1	111
397	Vortex pinning regimes in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> bulk boundaries investigated by quantitative magnetic Hall microscopy. <i>Superconductor Science and Technology</i> , <b>2008</b> , 21, 125002	3.1	7
396	Low-power superconducting motors. <i>Superconductor Science and Technology</i> , <b>2008</b> , 21, 034010	3.1	21
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392	Computation of critical current in artificially structured bulk samples from Hall measurements. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012107	0.3	3
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390	Mechanical properties of Ag-doped top-seeded melt-grown YBCO pellets. <i>Brazilian Journal of Physics</i> , <b>2008</b> , 38,	1.2	42
389	Single-Crystalline La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Nanowires by Polymer-Template-Directed Chemical Solution Synthesis. <i>Advanced Materials</i> , <b>2008</b> , 20, 3672-3677	24	36
388	Simulation of dc magnetic effects due to geometrically defined grain boundaries in type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 492-497	1.3	0
387	Magnetic irreversibility and zero resistance in melt-textured YBaCuO. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, e481-e483	2.8	0
386	Influence of crystal plane on the welding quality of YBCO bulk superconductor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 151, 107-110	3.1	2
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384	AC Three-Phase Axial Flux Motor With Magnetized Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 1633-1636	1.8	5
383	Self-Organization of Heteroepitaxial CeO <sub>2</sub> Nanodots Grown from Chemical Solutions. <i>Advanced Materials</i> , <b>2007</b> , 19, 3937-3942	24	55
382	Growth of strain-induced self-assembled BaZrO <sub>3</sub> nanodots from chemical solutions. <i>Surface Science</i> , <b>2007</b> , 601, 2680-2683	1.8	20
381	AC susceptibility of half-half jointed melt-textured YBCO rings. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 770-771	1.3	1
380	Ac susceptibility of bicrystal-like type-II superconducting films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 787-788	1.3	3
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375	Atomically flat MOD La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> buffer layers for high critical current YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> TFA films. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, S230-S238	3.1	21
374	Simultaneous determination of grain and grain-boundary critical currents in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -coated conductors by magnetic measurements. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	30
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370	Thickness control of solution deposited YBCO superconducting films by use of organic polymeric additives. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 2330-2338	2.5	14
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350	New Microcrack Network Generation in TSMTG YBCO. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 397-400	0.3	
349	Obtention and characterization of YBCO/Ag/YBCO welds at different misorientation angles. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 401-404	0.3	2
348	Iron-YBCO heterostructures and their application for trapped field superconducting motor. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 788-791	0.3	5
347	Computation limits of Current Distribution in thick Superconducting Bulks from Magnetic Field Measurements. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 518-521	0.3	1
346	Preparation of anhydrous TFA solution for deposition of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 178-181	0.3	3
345	Use of polymeric compounds to produce thick YBCO films by TFA-MOD process. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 182-186	0.3	2
344	Nucleation Mechanism OF YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> by CSD using TFA Precursors. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 321-324	0.3	1
343	Fast calcination of purified Trifluoroacetate metal-organic precursors for high critical current YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 150-153	0.3	2
342	Faceting of (001) CeO <sub>2</sub> Films: The Road to High Quality TFA-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Multilayers. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 138-141	0.3	
341	The loss of vortex line tension sets an upper limit to the irreversibility line in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Nature Physics</i> , <b>2006</b> , 2, 402-407	16.2	41
340	New transition in the vortex liquid state of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 437-438, 176-179	1.3	2
339	Superconductivity in the system [Y <sub>0.8</sub> Ca <sub>0.2</sub> ](SrBa)Cu <sub>3</sub> (BO <sub>3</sub> ) <sub>x</sub> O <sub>7</sub> with 0.1 ≤ x ≤ 0.5. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 594-596	3.9	2
338	In-field magnetic Hall probe microscopy studies of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> based superconductors. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 403-406	3.9	2
337	Characterisation of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> films grown by the trifluoro-acetate metal organic decomposition route by infrared spectroscopy. <i>Thin Solid Films</i> , <b>2006</b> , 515, 1607-1611	2.2	4

336	High $J_c$ /YBCO thin films and multilayers grown by chemical solution deposition. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 2747-2750	1.8	2
335	Preparation of MZrO/sub 3/ (M=Ba,Sr) buffer layers on surface oxidized Ni/NiO templates by PLD and MOD. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3024-3027	1.8	12
334	Anomalous ac magnetic susceptibility of high-temperature YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductors. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	15
333	Combined synchrotron x-ray diffraction and micro-Raman for following in situ the growth of solution-deposited YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 3270-3273	2.5	5
332	Melting of Ag/YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> interfaces: the path to large area high critical current welds. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, S168-S172	3.1	8
331	Pushing and trapping phenomena in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> melt-textured composites with BaZrO <sub>3</sub> and Ag additions. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, S77-S81	3.1	11
330	Determination of the inter- and intra-granular critical currents in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> welds. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 1227-1232	3.1	10
329	Vortex pinning by a novel stress induced stacking fault microstructure in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, S184-S187	3.1	3
328	Transport versus magnetization technique for determination of critical current densities in superconducting tapes with macroscopic defects. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 388-394	3.1	7
327	Quantitative analysis of Y <sub>2</sub> BaCuO <sub>5</sub> particle distribution in a melt-grown YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /Y <sub>2</sub> BaCuO <sub>5</sub> bulk superconductor. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 948-952	3.1	3
326	Critical current determination of artificially welded HTS samples by in-field Hall mapping technique. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3632-3635	1.8	11
325	Effect of strain on grain and grain-boundary critical currents of YBCO coated conductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 2790-2793	1.8	6
324	Critical state in finite type-II superconducting rings. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	36
323	Mechanical fragility and tri-dimensional crack structure in NdBaCuO top seeded and multi-seeded melt-textured samples. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3137-3140	1.8	5
322	Magnetization and critical current of finite superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> rings. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	12
321	The influence of growth conditions on the microstructure and critical currents of TFA-MOD YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 1141-1150	3.1	95
320	Mechanisms of nanostructural and morphological evolution of CeO <sub>2</sub> functional films by chemical solution deposition. <i>Nanotechnology</i> , <b>2005</b> , 16, 1809-1813	3.4	34
319	High critical current YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> artificial joints using Ag foils as welding agent. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 182-185	3.1	22



318	The identification of grain boundary networks of distinct critical current density in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -coated conductors. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 1283-1288	3.1	11
317	Simultaneous inductive determination of grain and intergrain critical current densities of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -coated conductors. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 230-232	3.4	67
316	Critical state in superconducting single-crystalline YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> foams: Local versus long-range currents. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	28
315	Biaxial texture analysis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -coated conductors by micro-Raman spectroscopy. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	23
314	Comparison of ac susceptibility of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> coated conductors and single crystals. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5646-5648	3.4	19
313	Chemical solution deposition: a path towards low cost coated conductors. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 1055-1064	3.1	117
312	Chemical solution techniques for epitaxial growth of oxide buffer and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1831-1835	6	14
311	Chemical solution growth of superconductors: a new path towards high critical current coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 913-914	1.3	4
310	Oscillation of Y <sub>2</sub> BaCuO <sub>5</sub> particle concentration in the melt-grown YBaCuO bulk superconductors. <i>Journal of Crystal Growth</i> , <b>2004</b> , 270, 685-690	1.6	1
309	High-field paramagnetic Meissner effect in melt-textured YBCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 653-654	1.3	
308	Magnetic granularity analysis of YBCO coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 866-868	1.3	3
307	Influence of the mercury source on the synthesis of Hg <sub>0.8</sub> Re <sub>0.2</sub> Ba <sub>2-x</sub> Sr <sub>y</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> at normal pressures. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 403, 132-138	1.3	1
306	Paramagnetic effect at low and high magnetic fields in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	24
305	Reactivity between Nd <sub>1-x</sub> Ba <sub>2-x</sub> Cu <sub>3</sub> O <sub>7-δ</sub> /2 and Nd <sub>4-z</sub> Ba <sub>2-z</sub> Cu <sub>2-z</sub> O <sub>10-z</sub> phases in superconducting NdBaCuO powders and melt textured bulk samples. <i>Superconductor Science and Technology</i> , <b>2003</b> , 16, 865-870	3.1	9
304	Identification of Nd <sub>163</sub> phase in melt-textured NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> bulk samples. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 2050-2054	2.5	5
303	Correlation between the formation of growth bands and Nd <sub>210</sub> addition in Nd <sub>1-x</sub> /Ba <sub>2-x</sub> /Cu <sub>3</sub> /O <sub>7-δ</sub> bulk samples. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 3169-3172	1.8	6
302	Growth related Y <sub>2</sub> BaCuO <sub>5</sub> particle concentration micro-inhomogeneity in the growth sectors of TSMG YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /Y <sub>2</sub> BaCuO <sub>5</sub> bulk superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 384, 125-129	1.3	19
301	Current distribution maps in large YBCO melt-textured blocks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 385, 539-543	1.3	17

300	Fluctuation conductivity in melt-textured REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 399, 87-92	1.3	15
299	A new method of computation of current distribution maps in bulk high-temperature superconductors: analysis and validation. <i>Superconductor Science and Technology</i> , <b>2003</b> , 16, 1187-1194	3.1	24
298	AC losses in a toroidal superconducting transformer. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 2341-2343	1.8	9
297	Inductive analysis of magnetic granularity effects in YBCO IBAD and RABiTS coated conductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 2599-2602	1.8	8
296	High quality YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films grown by trifluoroacetates metalorganic deposition. <i>Superconductor Science and Technology</i> , <b>2003</b> , 16, 45-53	3.1	54
295	Influence of porosity on the critical currents of trifluoroacetate-MOD YBa/sub 2/Cu/sub 3/O/sub 7/ films. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 2504-2507	1.8	37
294	In-field Hall probe mapping system for characterization of YBCO welds. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 3136-3139	1.8	22
293	Extremely high current-limitation capability of underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductor. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4809-4811	3.4	10
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291	Characterization of superconducting rings using an in-field Hall probe magnetic mapping system. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 3667-3670	1.8	22
290	Anisotropic behaviour of the melting line and the low critical field in YBCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 209-212	1.3	
289	Growth and microstructure of MTG REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /REBaCuO <sub>5</sub> with heavy rare earth elements. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 1119-1122	1.3	8
288	Synthesis and densification of Hg(Re)-1223 superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 1171-1173	1.3	
287	Directional solidification of YBaCuO thick films deposited by screen printing on Ag and AgPd tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 738-741	1.3	2
286	Epitaxial nucleation and growth of buffer layers and Y123 coated conductors deposited by metal-organic decomposition. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 806-809	1.3	9
285	Subboundary mesostructures and variable dislocation networks in single domain melt textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> implications on critical currents. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 1204-1207	1.3	4
284	Ironless armature for high speed HTS disk shaped rotor in self levitating configuration. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 1520-1523	1.3	6
283	Growth and characterization of YBa <sub>2</sub> (Cu <sub>1-x</sub> A <sub>x</sub> ) <sub>3</sub> O <sub>7</sub> (A=Mg, Zn, Ni) bars as switching elements for fault current limiters. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 1622-1625	1.3	3

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281	Melt textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> : fundamental properties and current limitation applications. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 378-381, 1-10	1.3	8
280	Anisotropy of the low-field critical point of the melting line of twinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	2
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278	Melt growth and microstructure development of high critical current REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductors with a natural mixture of rare earths. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 60-66	3.1	6
277	Synthesizing the Y-123/Y-211 composite by the PVA method. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 566-571	3.1	12
276	Growth related microstructure of Bridgman grown YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /Y <sub>2</sub> BaCuO <sub>5</sub> single-grain bars. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 1385-1391	3.1	4
275	Dislocations engineering in melt textured oxide superconductors. <i>Radiation Effects and Defects in Solids</i> , <b>2002</b> , 157, 871-880	0.9	5
274	Paramagnetic Meissner effect at high fields in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 354, 219-222	1.3	18
273	Self-seeded YBCO welding induced by Ag additives. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 363, 75-79	1.3	29
272	Influence of the Sr content on the synthesis of Hg <sub>0.8</sub> Re <sub>0.2</sub> Ba <sub>2-x</sub> Sr <sub>x</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> at normal pressures. <i>Superconductor Science and Technology</i> , <b>2001</b> , 14, 981-986	3.1	2
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270	Quench behavior of the switching elements of a hybrid HTS current limiter. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2001</b> , 11, 2406-2409	1.8	8
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267	Y <sub>2</sub> BaCuO <sub>5</sub> -free melt textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> : a search for the reference sample. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 336, 213-226	1.3	16
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261	A novel thermobaric analyser: in situ measurement of gas pressure during synthesis in sealed quartz tube at high temperatures. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 1549-1552	3.1	3
260	Quench in bulk HTS materials - application to the fault current limiter. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 493-497	3.1	28
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258	Magnetic frustration in Y-doped manganites: Electron spin resonance and magnetization. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 5603-5605	2.5	10
257	Effect of hydrostatic pressure on HgBa <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> superconductor doped with Re. <i>Physical Review B</i> , <b>2000</b> , 61, 15454-15461	3.3	9
256	In-plane and out-of-plane resistivities of vicinal Hg-1212 thin films. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 1369-1371	3.1	14
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253	Influence of precursor oxygen stoichiometry on the formation of Hg, Re-1223 superconductors. <i>Superconductor Science and Technology</i> , <b>1999</b> , 12, 120-127	3.1	37
252	Processing and superconducting properties of Hg <sub>1-x</sub> Re <sub>x</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> . <i>Superconductor Science and Technology</i> , <b>1999</b> , 12, 1175-1178	3.1	3
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245	Muon spin relaxation in Re-substituted HgA <sub>2</sub> Ca <sub>n</sub> □ <sub>n</sub> Cu <sub>n</sub> O <sub>2n+2+x</sub> (A=Sr,Ba; n=2,3) superconductors. <i>Physical Review B</i> , <b>1999</b> , 60, 7579-7584	3.3	10
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124	Magnetic behavior of the $\text{BaFe}_{4-2x}\text{Sn}_2+x\text{Co}_x\text{O}_{11}$ system: From cluster glass to kagome-acute phase. <i>Physical Review B</i> , <b>1993</b> , 48, 16440-16448	3.3	9
123	Transport and magnetic properties of polycrystalline $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ under applied magnetic fields. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 6639-6641	2.5	5
122	Field induced decoupling of superconducting bands in oxygen deficient melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_7$ . <i>Applied Physics Letters</i> , <b>1993</b> , 63, 3081-3083	3.4	20
121	Metamagnetism in single-crystal $\text{Pr}_2\text{NiO}_4$ . <i>Physical Review B</i> , <b>1993</b> , 47, 5834-5840	3.3	12

120	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1993</b> , 3, 1632-1635	1.8	1
119	Electron spin resonance of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Physica B: Condensed Matter</i> , <b>1993</b> , 190, 177-182	2.8	3
118	Rare-earth magnetic ordering in the $\text{R}_2\text{CuO}_4$ cuprates (R=Tb, Dy, Ho, Er and Tm). <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 213, 81-87	1.3	15
117	Surface spin canting in $\text{BaFe}_{12}\text{O}_{19}$ fine particles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 124, 228-238	2.8	52
116	Anisotropic magnetization and weak links in melt textured $\text{YBa}_2\text{Cu}_3\text{O}_7$ . <i>Cryogenics</i> , <b>1993</b> , 33, 39-45	1.8	4
115	Weak ferromagnetism and magnetic interactions in $\text{La}_2\text{NiO}_4$ . <i>Journal of Physics Condensed Matter</i> , <b>1992</b> , 4, 487-496	1.8	11
114	Irreversibility line and critical currents in a $\text{Pr}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystal. <i>Superconductor Science and Technology</i> , <b>1992</b> , 5, S264-S267	3.1	2
113	High frequency intergranular AC losses in $\text{EuBa}_2\text{Cu}_3\text{O}_7$ ceramics. <i>Superconductor Science and Technology</i> , <b>1992</b> , 5, S268-S271	3.1	3
112	Magnetic-Field-Induced Weak Ferromagnetic Order in $\text{Y}_2\text{CuO}_4$ . <i>Europhysics Letters</i> , <b>1992</b> , 20, 651-656	1.6	17
111	Magnetic dilution in the strongly frustrated kagome antiferromagnet $\text{SrGa}_2\text{Cr}_x\text{O}_{19}$ . <i>Physical Review B</i> , <b>1992</b> , 46, 10786-10792	3.3	74
110	Magnetic interactions, weak ferromagnetism, and field-induced transitions in $\text{Nd}_2\text{NiO}_4$ . <i>Physical Review B</i> , <b>1992</b> , 45, 2830-2843	3.3	22
109	Metastable metallic state and hysteresis below the metal-insulator transition in $\text{PrNiO}_3$ . <i>Physical Review B</i> , <b>1992</b> , 46, 15683-15688	3.3	70
108	Weak ferromagnetism and spin-glass-like behavior in the rare-earth cuprates $\text{R}_2\text{CuO}_4$ (R=Tb, Dy, Ho, Er, Tm, and Y). <i>Physical Review B</i> , <b>1992</b> , 45, 4729-4737	3.3	45
107	Observation of magnetic order in the double-layer system $\text{La}_2\text{MCu}_2\text{O}_{6+\delta}$ (M=Ca,Sr). <i>Physical Review B</i> , <b>1992</b> , 46, 3084-3088	3.3	15
106	Cation distribution and magnetization of $\text{BaFe}_{12-x}\text{Co}_x\text{Sn}_x\text{O}_{19}$ (x=0.9,1.28) single crystals. <i>Journal of Applied Physics</i> , <b>1992</b> , 72, 4608-4614	2.5	20
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104	Critical fields and fundamental lengths in a superconducting electron-doped $\text{Pr}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ single crystal. <i>Physical Review B</i> , <b>1992</b> , 46, 5581-5587	3.3	17
103	Crystal structure and spin-glass behaviour in R-type $\text{BaFe}_4\text{Sn}_{2+x}\text{Co}_x\text{O}_{11}$ (x = 1.1) hexagonal ferrite. <i>Solid State Communications</i> , <b>1992</b> , 83, 649-654	1.6	6

102	Oxygen vacancy ordering in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 399-401	2.8	4
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100	Topological excitations vs intergranular phase coherence in a HTSC $\text{Y}_{0.5}\text{Sm}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_7$ ceramics. <i>European Physical Journal B</i> , <b>1992</b> , 87, 21-28	1.2	4
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97	AC susceptibility in weak ferromagnetic $\text{R}_2\text{CuO}_4$ cuprates. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 549-550	2.8	3
96	Magnetism in the rare-earth cuprates $\text{R}_2\text{Cu}_2\text{O}_5$ (R = Y, Ho, Er, Yb, Tm). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 617-618	2.8	3
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93	Magnetic irreversibility in granular superconductors: AC susceptibility study. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1843-1844	1.3	7
92	Upper critical field anisotropy and dissipative flux motion in $\text{Nd?Ce?Cu?O}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1913-1914	1.3	14
91	High frequency diamagnetic screening in $\text{EuBa}_2\text{Cu}_3\text{O}_7$ ceramics. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 184, 34-40	1.3	3
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82	Noncritical behavior and remanent magnetization in magnetically frustrated FeSbO <sub>4</sub> . <i>Physical Review B</i> , <b>1991</b> , 44, 691-698	3.3	12
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80	Magnetic transitions in Nd <sub>2</sub> NiO <sub>4</sub> . <i>Physical Review B</i> , <b>1991</b> , 43, 10451-10454	3.3	15
79	Cation distribution and intrinsic magnetic properties of Co-Ti-doped M-type barium ferrite. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 1614-1623	2.5	139
78	Electron-spin resonance in the spin-glass-like system Fe <sub>1-x</sub> Ga <sub>x</sub> SbO <sub>4</sub> . <i>Physical Review B</i> , <b>1991</b> , 44, 4455-4460	3.3	14
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22	Exchange interactions in BaFe <sub>12</sub> O <sub>19</sub> . <i>Applied Physics A: Solids and Surfaces</i> , <b>1986</b> , 39, 221-225		39
21	Neutron diffraction studies of some hexagonal ferrites: BaFe <sub>12</sub> O <sub>19</sub> , BaMg <sub>2</sub> W and BaCo <sub>2</sub> W. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 62, 57-67	2.8	116
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14	Mössbauer emission spectroscopy of doped <sup>57</sup> Co <sub>1-x</sub> O <sub>x</sub> . donor impurities: <sup>57</sup> Co <sub>1-x</sub> O <sub>x</sub> :Fe, Ti, In. <i>Journal of Physics and Chemistry of Solids</i> , <b>1985</b> , 46, 305-308	3.9	4
13	Spin glass behaviour in an antiferromagnetic non-frustrated lattice: Sr <sub>2</sub> FeNbO <sub>6</sub> perovskite. <i>Journal of Physics C: Solid State Physics</i> , <b>1985</b> , 18, L401-L405		71

12	HIGH FIELD MAGNETIZATION STUDY OF SODIUM-ZINC SPINEL FERRITES. <i>Journal De Physique Colloque</i> , <b>1985</b> , 46, C6-445-C6-448		2
11	PARTICLE SIZE AND MAGNETIC PROPERTIES OF BaFe <sub>12</sub> O <sub>19</sub> PREPARED BY THE ORGANOMETALLIC PRECURSOR METHOD. <i>Journal De Physique Colloque</i> , <b>1985</b> , 46, C6-335-C6-338		9
10	DIPOLAR MAGNETIC ANISOTROPY IN SOME UNIAXIAL HEXAGONAL FERRITES. <i>Journal De Physique Colloque</i> , <b>1985</b> , 46, C6-345-C6-348		7
9	Mössbauer study of bipyramidal site occupancy in BaFe <sub>12-x</sub> MnxO <sub>19</sub> . <i>Solid State Communications</i> , <b>1984</b> , 50, 821-824	1.6	20
8	Synthesis of sodium-zinc spinel ferrites. <i>IEEE Transactions on Magnetics</i> , <b>1984</b> , 20, 1515-1517		2
7	Magnetic structure and supermagnetic properties of BaFe <sub>12-x</sub> Fe <sub>x</sub> O <sub>19</sub> . <i>IEEE Transactions on Magnetics</i> , <b>1984</b> , 20, 1524-1526	2	11
6	Cation distribution and high field magnetization studies on SrFe <sub>12-x</sub> Cr <sub>x</sub> O <sub>19</sub> . <i>IEEE Transactions on Magnetics</i> , <b>1984</b> , 20, 1636-1638	2	28
5	The influence of the semiconductor properties on the Mössbauer emission spectra of <sup>57</sup> Co cobalt oxide. <i>Journal of Physics and Chemistry of Solids</i> , <b>1984</b> , 45, 181-190	3.9	25
4	Structural and magnetic properties of BaFe <sub>12-x</sub> MnxO <sub>19</sub> hexagonal ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1984</b> , 44, 118-128	2.8	56
3	Mössbauer emission studies of LiNbO <sub>3</sub> : <sup>57</sup> Co. <i>Radiation Effects</i> , <b>1983</b> , 73, 173-177		
2	Crystal structure and cationic distribution of BaFe <sub>4</sub> Ti <sub>2</sub> O <sub>11</sub> R-type hexagonal ferrite. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 1543-1553	5.1	34
1	Towards an all Chemical Solution Coated Conductor. <i>Ceramic Transactions</i> , 67-76	0.1	