

# Boris Maiorov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8083685/publications.pdf>

Version: 2024-02-01

124  
papers

6,274  
citations

87723

38  
h-index

69108

77  
g-index

125  
all docs

125  
docs citations

125  
times ranked

2600  
citing authors



| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The effect of lattice strain on the diameter of BaZrO <sub>3</sub> nanorods in epitaxial YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. Superconductor Science and Technology, 2014, 27, 044010.                                | 1.8 | 45        |
| 20 | Inversion of the upper critical field anisotropy in FeTeS films. Superconductor Science and Technology, 2014, 27, 044005.   | 1.8 | 10        |
| 21 | Vortex creep in TFA- $\delta$ -YBCO nanocomposite films. Superconductor Science and Technology, 2014, 27, 115008.   | 1.8 | 15        |
| 22 | Increment of the collective pinning energy in Na <sub>1-x</sub> Ca <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> single crystals with random point defects introduced by proton irradiation. Superconductor Science and Technology, 2014, 27, 095004.        | 1.8 | 11        |
| 23 | Observation of lock-in phenomena in heavy-ion-irradiated single crystal of Ba(Fe <sub>0.93</sub> Co <sub>0.07</sub> ) <sub>2</sub> As <sub>2</sub> . Physical Review B, 2014, 89, .   | 1.1 | 6         |
| 24 | The effects of density and size of BaMO <sub>3</sub> (M=Zr, Nb, Sn) nanoparticles on the vortex glassy and liquid phase in (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> coated conductors. Superconductor Science and Technology, 2013, 26, 035008. | 1.8 | 55        |
| 25 | Strong enhancement of the critical current at the antiferromagnetic transition in ErNi <sub>2</sub> B <sub>2</sub> C single crystals. Physical Review B, 2013, 87, .  | 1.1 | 8         |
| 26 | Strongly enhanced flux pinning in one-step deposition of BaFe <sub>2</sub> (As <sub>0.66</sub> P <sub>0.33</sub> ) <sub>2</sub> superconductor films with uniformly dispersed BaZrO <sub>3</sub> nanoparticles. Nature Communications, 2013, 4, 2499.       | 5.8 | 83        |
| 27 | Interactive Growth Effects of Rare-Earth Nanoparticles on Nanorod Formation in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> Thin Films. Advanced Functional Materials, 2013, 23, 4826-4831.  | 7.8 | 20        |
| 28 | Nanostructured epitaxial thin films of Fe-based superconductors with enhanced superconducting properties. Materials Research Society Symposia Proceedings, 2012, 1434, 35.  | 0.1 | 2         |
| 29 | High-temperature change of the creep rate in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> thin films. Physical Review B, 2012, 86, .   | 1.1 | 30        |
| 30 | High-temperature change of the creep rate in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> thin films. Physical Review B, 2012, 86, .   | 1.1 | 37        |
| 31 | High-temperature change of the creep rate in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> thin films. Physical Review B, 2012, 86, .   | 1.1 | 58        |
| 32 | Competition and cooperation of pinning by extrinsic point-like defects and intrinsic strong columnar defects in BaFe <sub>2</sub> As <sub>2</sub> single crystals. Physical Review B, 2012, 86, .   | 1.1 | 39        |
| 33 | Competition and cooperation of pinning by extrinsic point-like defects and intrinsic strong columnar defects in BaFe <sub>2</sub> As <sub>2</sub> single crystals. Physical Review B, 2012, 86, .   | 1.1 | 17        |
| 34 | Strong pinning and elastic to plastic vortex crossover in Na-doped CaFe <sub>2</sub> As <sub>2</sub> single crystals. Physical Review B, 2011, 84, .  | 1.1 | 46        |
| 35 | Progress in Performance Improvement and New Research Areas for Cost Reduction of 2G HTS Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 3049-3054.   | 1.1 | 83        |
| 36 | Liquid vortex phase and strong $c$ -axis pinning in low anisotropy BaCo <sub>1-x</sub> Fe <sub>2x</sub> As <sub>2</sub> pnictide films. Superconductor Science and Technology, 2011, 24, 055007.  | 1.8 | 44        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle \text{Cu} \langle \text{mml:math}</math> </p> <p>           Publisher's Note: Mixed pinning landscape in nanoparticle-introduced YGdBa         </p> <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle \text{Cu} \langle \text{mml:math}</math> </p> | 1.1 | 95        |
| 38 | <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle \text{Cu} \langle \text{mml:math}</math> </p> <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{\wedge} \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle x \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Na} \langle \text{mml:math}</math> </p>                              | 1.1 | 3         |
| 39 | <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mi} \rangle x \langle / \text{mml:mi} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Fe} \langle \text{mml:math}</math> </p> <p> <a href="http://www.w3.org/1998/Math/MathML">xmlns:mml="http://www.w3.org/1998/Math/MathML"</a><br/> <math display="inline">\langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mi} \rangle x \langle / \text{mml:mi} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Fe} \langle \text{mml:math}</math> </p>   | 1.1 | 25        |
| 40 | Nanorod Self-Assembly in High Jc YBa2Cu3O7 $\hat{\wedge}$ x Films with Ru-Based Double Perovskites. Materials, 2011, 4, 2042-2056.  | 1.3 | 8         |
| 41 | Strongly enhanced current densities in superconducting coated conductors of YBa2Cu3O7 $\hat{\wedge}$ x + BaZrO3. , 2010, , 327-331.   |     | 0         |
| 42 | Materials science challenges for high-temperature superconducting wire. , 2010, , 299-310.  |     | 1         |
| 43 | The role of thermally and chemically stable composite Y2O3:Al2O3 in the development of YBa2Cu3O7 $\hat{\wedge}$ x films on metal substrates. Superconductor Science and Technology, 2010, 23, 045012.   | 1.8 | 4         |
| 44 | High current, low cost YBCO conductorsâ€™ whatâ€™s next?. Superconductor Science and Technology, 2010, 23, 034009.  | 1.8 | 11        |
| 45 | Much simplified ion-beam assisted deposition-TiN template for high-performance coated conductors. Journal of Applied Physics, 2010, 108, .  | 1.1 | 27        |
| 46 | Investigation of (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7<math>\hat{\wedge}</math>x</sub> grown by MOCVD on a simplified IBAD MgO template. Superconductor Science and Technology, 2010, 23, 014011.  | 1.8 | 10        |
| 47 | 1000 A cm $\hat{\wedge}$ 2 in a 2 $\hat{\wedge}$ m thick YBa2Cu3O7 $\hat{\wedge}$ x film with BaZrO3 and Y2O3 additions. Superconductor Science and Technology, 2010, 23, 115016.   | 1.8 | 42        |
| 48 | YBCO films grown by reactive co-evaporation on simplified IBAD-MgO coated conductor templates. Superconductor Science and Technology, 2010, 23, 014018.   | 1.8 | 57        |
| 49 | Improved flux pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> with nanorods of the double perovskite Ba <sub>2</sub> YNbO <sub>6</sub> . Superconductor Science and Technology, 2010, 23, 095004.  | 1.8 | 99        |
| 50 | Vortex liquid-glass transition up to 60 T in nanoengineered coated conductors grown by metal organic deposition. Applied Physics Letters, 2010, 96, .   | 1.5 | 30        |
| 51 | Pseudoisotropic Upper Critical Field in Cobalt-Doped $\text{SrFe}_2\text{As}_2$ Films. Physical Review Letters, 2009, 102, 117004.  | 2.9 | 104       |
| 52 | Self-assembled multilayers and enhanced superconductivity in (YBa2Cu3O7 $\hat{\wedge}$ x)0.5:(BaZrO3)0.5 nanocomposite films. Journal of Applied Physics, 2009, 106, .  | 1.1 | 31        |
| 53 | SINGLE-WALL CARBON NANOTUBES ADDITION EFFECTS ON THE SUPERCONDUCTING PROPERTIES OF MgB <sub>2</sub> . International Journal of Modern Physics B, 2009, 23, 3465-3469.   | 1.0 | 5         |
| 54 | The role of stacking faults in the critical current density of MOD films through a thickness dependence study. Superconductor Science and Technology, 2009, 22, 015022.   | 1.8 | 21        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Angular and field properties of the critical current and melting line of Co-doped SrFe <sub>2</sub> As <sub>2</sub> epitaxial films. Superconductor Science and Technology, 2009, 22, 125011.   | 1.8  | 23        |
| 56 | The role of interfacial defects in enhancing the critical current density of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> coatings. Superconductor Science and Technology, 2009, 22, 125002.   | 1.8  | 28        |
| 57 | HighI <sub>c</sub> YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films grown at very high rates by liquid assisted growth incorporating lightly Au-doped SrTiO <sub>3</sub> buffers. Superconductor Science and Technology, 2009, 22, 015009. | 1.8  | 6         |
| 58 | Interfacial Strain-Induced Oxygen Disorder as the Cause of Enhanced Critical Current Density in Superconducting Thin Films. Advanced Functional Materials, 2009, 19, 835-841.   | 7.8  | 42        |
| 59 | Synergetic combination of different types of defect to optimize pinning landscape using BaZrO <sub>3</sub> -doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Nature Materials, 2009, 8, 398-404.   | 13.3 | 496       |
| 60 | Attenuation of interfacial pinning enhancement in YBCO using a PrBCO buffer layer. Physica C: Superconductivity and Its Applications, 2009, 469, 2033-2036.   | 0.6  | 8         |
| 61 | Microstructural and superconducting properties of high current metal-organic chemical vapor deposition YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> coated conductor wires. Superconductor Science and Technology, 2009, 22, 045025.         | 1.8  | 60        |
| 62 | Thickness dependence of critical current density in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films with BaZrO <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> addition. Superconductor Science and Technology, 2009, 22, 085013.          | 1.8  | 53        |
| 63 | Self-assembled, rare earth tantalate pyrochlore nanoparticles for superior flux pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. Superconductor Science and Technology, 2009, 22, 022001.                                      | 1.8  | 109       |
| 64 | High $J_c$ in YBCO Films Grown at Very High Rates by Liquid Mediated Growth. IEEE Transactions on Applied Superconductivity, 2009, 19, 3180-3183.   | 1.1  | 5         |
| 65 | Composite $\{m Y\}_2\{m O\}_3\{m Al\}_2\{m O\}_3$ as Diffusion Barrier/Nucleation Layer for HTS Coated Conductors Based on IBAD MgO. IEEE Transactions on Applied Superconductivity, 2009, 19, 3459-3462.   | 1.1  | 12        |
| 66 | Progress in Nanoengineered Microstructures for Tunable High-Current, High-Temperature Superconducting Wires. Advanced Materials, 2008, 20, 391-407.   | 11.1 | 162       |
| 67 | Mixed-Valence Perovskite Thin Films by Polymer-Assisted Deposition. Journal of the American Ceramic Society, 2008, 91, 1858-1863.   | 1.9  | 20        |
| 68 | Structural and superconducting properties of (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> grown by MOCVD on samarium zirconate buffered IBAD-MgO. Superconductor Science and Technology, 2008, 21, 105023.                              | 1.8  | 12        |
| 69 | Improved microstructure and enhanced low-field $J_c$ in (Y <sub>0.67</sub> Eu <sub>0.33</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. Superconductor Science and Technology, 2008, 21, 025001.                                   | 1.8  | 20        |
| 70 | SiC and carbon nanotube distinctive effects on the superconducting properties of bulk MgB <sub>2</sub> . Journal of Applied Physics, 2008, 103, 023907.   | 1.1  | 56        |
| 71 | Smectic Vortex Phase in Optimally Doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Thin Films. Physical Review Letters, 2008, 100, 027004.   | 2.9  | 19        |
| 72 | High anisotropic critical current densities in MgB <sub>2</sub> tapes. Journal of Physics: Conference Series, 2008, 97, 012129.   | 0.3  | 5         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Study of $\text{Sm}_{1-x}\text{Zr}_x\text{O}_y$ Buffer Layer and Its Effects on YBCO Properties. IEEE Transactions on Applied Superconductivity, 2007, 17, 3409-3412.   | 1.1  | 9         |
| 74 | Characterization of Er-Added YBCO Coated Conductor Produced by Metal Organic Deposition (MOD). IEEE Transactions on Applied Superconductivity, 2007, 17, 3359-3362.   | 1.1  | 7         |
| 75 | Vortex pinning landscape in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films grown by hybrid liquid phase epitaxy. Superconductor Science and Technology, 2007, 20, S223-S229.   | 1.8  | 27        |
| 76 | Effects of the Variable Lorentz Force on the Critical Current in Anisotropic Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3697-3700.   | 1.1  | 17        |
| 77 | Key Microstructural Features of MOD $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films on Textured Nickel Substrates. IEEE Transactions on Applied Superconductivity, 2007, 17, 3259-3262.   | 1.1  | 6         |
| 78 | Correlated enhancement of $H_{c2}$ and $J_c$ in carbon nanotube doped $\text{MgB}_2$ . Superconductor Science and Technology, 2007, 20, L12-L15.  | 1.8  | 74        |
| 79 | Engineered reactive cosputtered $\text{Sm}_x\text{Zr}_{1-x}\text{O}_y$ thin films as buffer layers for $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors. Journal of Materials Research, 2007, 22, 1082-1086.         | 1.2  | 2         |
| 80 | Influence of growth temperature on critical current and magnetic flux pinning structures in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Applied Physics Letters, 2007, 91, 162501.  | 1.5  | 46        |
| 81 | Control of Flux Pinning in MOD YBCO Coated Conductor. IEEE Transactions on Applied Superconductivity, 2007, 17, 3347-3350.  | 1.1  | 31        |
| 82 | $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Coated Conductor Grown by Hybrid Liquid Phase Epitaxy. IEEE Transactions on Applied Superconductivity, 2007, 17, 2537-2541.   | 1.1  | 6         |
| 83 | Microstructural Evolution With the Change in Thickness of Superconducting Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3243-3246.   | 1.1  | 14        |
| 84 | High critical currents by isotropic magnetic-flux-pinning centres in a 3 $\mu\text{m}$ -thick $\text{YBa}_2\text{Cu}_3\text{O}_7$ superconducting coated conductor. Superconductor Science and Technology, 2007, 20, L20-L23. | 1.8  | 42        |
| 85 | Ultrafine Multilayers of Complex Metal Oxide Films. Advanced Materials, 2007, 19, 1917-1920.  | 11.1 | 10        |
| 86 | Materials science challenges for high-temperature superconducting wire. Nature Materials, 2007, 6, 631-642.   | 13.3 | 670       |
| 87 | Influence of naturally grown nanoparticles at the buffer layer in the flux pinning in $\text{YBa}_2\text{Cu}_3\text{O}_7$ coated conductors. Superconductor Science and Technology, 2006, 19, 891-895.                        | 1.8  | 54        |
| 88 | Comparison of Different Routes for Improving Vortex Pinning in $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films and Coated Conductors. AIP Conference Proceedings, 2006, , .  | 0.3  | 0         |
| 89 | Guidelines for optimizing random and correlated pinning in rare-earth-based superconducting films. Superconductor Science and Technology, 2006, 19, S55-S59.  | 1.8  | 19        |
| 90 | Magnetoresistance in polymer-assisted deposited Sr- and Ca-doped lanthanum manganite films. Applied Physics Letters, 2006, 88, 232510.  | 1.5  | 33        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 91  | Microstructure and transport properties of Y-rich $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films. Journal of Applied Physics, 2006, 100, 053904.   | 1.1  | 36        |
| 92  | Progress in scale-up of second-generation high-temperature superconductors at SuperPower Inc. Physica C: Superconductivity and Its Applications, 2005, 426-431, 849-857.                           | 0.6  | 39        |
| 93  | Persistent photo-excitation in $\text{GdBa}_2\text{Cu}_3\text{O}_{6.5}$ in a simultaneous Raman and electrical-transport experiment. Physical Review B, 2005, 72, .                                | 1.1  | 9         |
| 94  | Doping-dependent nonlinear Meissner effect and spontaneous currents in high- $T_c$ superconductors. Physical Review B, 2005, 71, .   | 1.1  | 27        |
| 95  | Comparative Study of $\text{REBa}_2\text{Cu}_3\text{O}_7$ Films for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 2723-2726.  | 1.1  | 30        |
| 96  | High critical current densities in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films grown at high rates by hybrid liquid phase epitaxy. Applied Physics Letters, 2005, 87, 252507.                    | 1.5  | 15        |
| 97  | Comparative Study of Microstructural Properties for $\text{YBa}_2\text{Cu}_3\text{O}_7$ Films on Single-crystal and Ni-based Metal Substrates. Journal of Materials Research, 2005, 20, 2055-2060. | 1.2  | 6         |
| 98  | Identification of Intrinsic ab-Plane Pinning in $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films and Coated Conductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 2808-2811.         | 1.1  | 103       |
| 99  | Influence of Tilted Geometries on Critical Current in Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2005, 15, 2582-2585.   | 1.1  | 24        |
| 100 | Second Generation HTS Wire Based on RABiTS Substrates and MOD YBCO. IEEE Transactions on Applied Superconductivity, 2005, 15, 2611-2616.   | 1.1  | 92        |
| 101 | Overcoming the barrier to 1000 $\mu\text{m}$ width superconducting coatings. Applied Physics Letters, 2005, 87, 162505.  | 1.5  | 182       |
| 102 | Effect of the misalignment between the applied and internal magnetic fields on the critical currents of tilted coated conductors. Applied Physics Letters, 2005, 86, 132504.                       | 1.5  | 32        |
| 103 | Rare earth ion size effects and enhanced critical current densities in $\text{Y}_2\text{Sm}_3\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors. Applied Physics Letters, 2005, 86, 032505.   | 1.5  | 65        |
| 104 | Light-induced oxygen-ordering dynamics in $(\text{Y},\text{Pr})\text{Ba}_2\text{Cu}_3\text{O}_{6.7}$ : A Raman spectroscopy and Monte Carlo study. Physical Review B, 2004, 70, .                  | 1.1  | 13        |
| 105 | Strongly enhanced current densities in superconducting coated conductors of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x} + \text{BaZrO}_3$ . Nature Materials, 2004, 3, 439-443.                         | 13.3 | 1,118     |
| 106 | Understanding High Critical Currents in $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films and Coated Conductors. Journal of Low Temperature Physics, 2004, 135, 87-98.                                | 0.6  | 84        |
| 107 | Bose-Glass-Like Phases in Oriented-Twin $\text{YBa}_2\text{Cu}_3\text{O}_7$ Crystals. Journal of Low Temperature Physics, 2004, 135, 131-134.  | 0.6  | 2         |
| 108 | Hall effect in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ thin films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1836-1838.   | 1.0  | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Influence of crystalline texture on vortex pinning near the ab-plane in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films and coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 412-414, 976-982. | 0.6 | 76        |
| 110 | Angular-dependent vortex pinning mechanisms in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> coated conductors and thin films. <i>Applied Physics Letters</i> , 2004, 84, 2121-2123.   | 1.5 | 254       |
| 111 | Systematic enhancement of in-field critical current density with rare-earth ion size variance in superconducting rare-earth barium cuprate films. <i>Applied Physics Letters</i> , 2004, 84, 5329-5331.                                      | 1.5 | 127       |
| 112 | Raman-study of photoinduced chain-oxygen ordering in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> . <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 3192-3195.  | 1.1 | 2         |
| 113 | Elastic-to-plastic crossover below the peak effect in the vortex solid of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals. <i>Physical Review B</i> , 2002, 65, .  | 1.1 | 16        |
| 114 | Comment on "Strong Vortex Liquid Correlation from Multiterminal Measurements on Untwinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Single Crystals". <i>Physical Review Letters</i> , 2002, 88, 139703; author reply 139704.          | 2.9 | 3         |
| 115 | Hole-doping dependence of percolative phase separation in Pr <sub>0.5</sub> Ca <sub>0.2</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> around half doping. <i>Physical Review B</i> , 2002, 66, .  | 1.1 | 13        |
| 116 | Asymmetric phase diagram and phase separation in. <i>Physica B: Condensed Matter</i> , 2002, 320, 111-114.   | 1.3 | 0         |
| 117 | Oxygen overdoping in superconducting and non-superconducting Y <sub>1-x</sub> Pr <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . <i>Physica B: Condensed Matter</i> , 2002, 320, 333-336.                                      | 1.3 | 9         |
| 118 | Vortex solid state in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> twinned crystals. <i>Physical Review B</i> , 2001, 64, .   | 1.1 | 12        |
| 119 | Rare-earth dependence of photoinduced chain-oxygen ordering in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> (x=0.3) investigated by Raman scattering. <i>Physical Review B</i> , 2001, 65, .  | 1.1 | 16        |
| 120 | First-order phase transition of the vortex lattice in twinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals in tilted magnetic fields. <i>Physical Review B</i> , 2000, 61, 12427-12432.                                   | 1.1 | 11        |
| 121 | Anomalous Proximity Effect in Underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> Josephson Junctions. <i>Physical Review Letters</i> , 2000, 85, 3708-3711.  | 2.9 | 60        |
| 122 | Annealing disorder and photoinduced order of oxygen chains in detwinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.65</sub> single crystals probed by Raman scattering. <i>Physical Review B</i> , 2000, 61, 4298-4304.                       | 1.1 | 20        |
| 123 | Photoinduced superconducting nanowires in GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> films. <i>Applied Physics Letters</i> , 1998, 73, 120-122.  | 1.5 | 10        |
| 124 | Interrelation between persistent photoconductivity and oxygen order in GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> thin films. <i>Physical Review B</i> , 1997, 56, 3552-3555.  | 1.1 | 22        |