Tom H Johansen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8598442/publications.pdf

Version: 2024-02-01

| | | 172457 | 189892 |
|----------|-----------------|--------------|----------------|
| 116 | 2,876 citations | 29 | 50 |
| papers | citations | h-index | g-index |
| | | | |
| | | | |
| 117 | 117 | 117 | 1759 |
| | | | |
| all docs | docs citations | times ranked | citing authors |
| | | | |

| # | Article | IF | CITATIONS |
|----|--|----------|-----------------|
| 1 | Colloquium: Experiments in vortex avalanches. Reviews of Modern Physics, 2004, 76, 471-487. | 45.6 | 207 |
| 2 | Very strong intrinsic flux pinning and vortex avalanches in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mtext>< single crystals. Physical Review B, 2010, 82, .</mml:mtext></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:math> | mml:mo>, | <n< td=""></n<> |
| 3 | Dendritic and uniform flux jumps in superconducting films. Physical Review B, 2006, 73, . | 3.2 | 117 |
| 4 | Faraday rotation spectra of bismuth-substituted ferrite garnet films with in-plane magnetization. Physical Review B, 2001, 64, . | 3.2 | 116 |
| 5 | Onset of Dendritic Flux Avalanches in Superconducting Films. Physical Review Letters, 2006, 97, 077002. | 7.8 | 110 |
| 6 | Faraday rotation and sensitivity of (100) bismuth-substituted ferrite garnet films. Physical Review B, 2002, 66, . | 3.2 | 93 |
| 7 | Colloidal transport on magnetic garnet films. Physical Chemistry Chemical Physics, 2009, 11, 9615. | 2.8 | 93 |
| 8 | Dendritic flux patterns in MgB2films. Superconductor Science and Technology, 2001, 14, 726-728. | 3.5 | 85 |
| 9 | All-optical observation and reconstruction of spin wave dispersion. Nature Communications, 2017, 8, 15859. | 12.8 | 80 |
| 10 | Finger patterns produced by thermomagnetic instability in superconductors. Physical Review B, 2004, 70, . | 3.2 | 75 |
| 11 | Avalanche-driven fractal flux distributions in NbN superconducting films. Applied Physics Letters, 2005, 87, 042502. | 3.3 | 70 |
| 12 | Magneto-optical imaging setup for single vortex observation. Review of Scientific Instruments, 2003, 74, 141-146. | 1.3 | 67 |
| 13 | Dynamics and morphology of dendritic flux avalanches in superconducting films. Physical Review B, 2011, 84, . | 3.2 | 65 |
| 14 | Logarithmic relaxation in the levitation force in a magnetâ€highTcsuperconductor system. Applied Physics Letters, 1992, 60, 2294-2296. | 3.3 | 56 |
| 15 | Local threshold field for dendritic instability in superconductingMgB2films. Physical Review B, 2003, 67, . | 3.2 | 56 |
| 16 | Current-induced dendritic magnetic instability in superconducting MgB2 films. Applied Physics Letters, 2002, 80, 4588-4590. | 3.3 | 55 |
| 17 | Enhanced pinning in superconducting thin films with graded pinning landscapes. Applied Physics Letters, 2013, 102, . | 3.3 | 53 |
| 18 | Central Peak Position in Magnetization Loops of High-TcSuperconductors. Physical Review Letters, 1999, 82, 2947-2950. | 7.8 | 48 |

| # | Article | IF | CITATIONS |
|----|--|------------|---------------|
| 19 | Vortex solid-solid transition in aBi1.6Pb0.4Sr2CaCu2O8+Î′crystal. Physical Review B, 2000, 62, 4058-4065. | 3.2 | 48 |
| 20 | Manipulation of vortices by magnetic domain walls. Applied Physics Letters, 2003, 82, 79-81. | 3.3 | 48 |
| 21 | Superconducting trapped-field magnets: Temperature and field distributions during pulsed-field activation. Journal of Applied Physics, 2002, 92, 6235-6240. | 2.5 | 46 |
| 22 | Criticalâ€state magnetization of typeâ€l superconductors in rectangular slab and cylinder geometries. Journal of Applied Physics, 1995, 77, 3945-3952. | 2.5 | 43 |
| 23 | Dendritic magnetic avalanches in carbon-free MgB2 thin films with and without a deposited Au layer. Applied Physics Letters, 2005, 87, 152501. | 3.3 | 43 |
| 24 | Frequency and wavenumber selective excitation of spin waves through coherent energy transfer from elastic waves. Physical Review B, 2018, 97, . | 3.2 | 42 |
| 25 | Controllable morphology of flux avalanches in microstructured superconductors. Physical Review B, 2014, 89, . | 3.2 | 41 |
| 26 | Theory for lateral stability and magnetic stiffness in a highâ€Tcsuperconductorâ€magnet levitation system. Journal of Applied Physics, 1993, 74, 4060-4065. | 2.5 | 38 |
| 27 | Size of flux jumps in superconducting films. Physical Review B, 2005, 72, . | 3.2 | 36 |
| 28 | Suppression of flux avalanches in superconducting films by electromagnetic braking. Applied Physics Letters, $2010, 96, .$ | 3.3 | 33 |
| 29 | Reentrant stability of superconducting films and the vanishing of dendritic flux instability. Physical Review B, 2007, 76, . Dendritic flux instabilities insemblement | 3.2 | 29 |
| 30 | xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:msub></mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mm< td=""><td>3.2</td><td>29</td></mm<></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:mrow> | 3.2 | 29 |
| 31 | mathvariant="normal">O <mml:mrow><mml:mn>7</mml:mn><mml:mo>â^²</mml:mo><mml:mi>xLateral force on a magnet placed above a planar YBa2Cu3Oxsuperconductor. Applied Physics Letters, 1991, 58, 179-181.</mml:mi></mml:mrow> | nl:mi>3.3 | ml:mrow> </td |
| 32 | Nucleation and propagation of thermomagnetic avalanches in thin-film superconductors (Review) Tj ETQq0 0 0 rg | BT /Overlo | ck 10 Tf 50 |
| 33 | Visualizing the ac magnetic susceptibility of superconducting films via magneto-optical imaging. Physical Review B, 2011, 84, . | 3.2 | 27 |
| 34 | Collective Directional Locking of Colloidal Monolayers on a Periodic Substrate. Physical Review Letters, 2020, 124, 058002. | 7.8 | 27 |
| 35 | Magneto-optical Indicator Garnet Films Grown by Metal-organic Decomposition Method. Journal of the Magnetics Society of Japan, 2008, 32, 150-153. | 0.9 | 25 |
| 36 | Investigation of the lateral magnetic force and stiffness between a highâ€Tc superconductor and magnet of rectangular shapes. Journal of Applied Physics, 1994, 75, 1667-1670. | 2.5 | 23 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | First Observation of Flux Avalanches in a-MoSi Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4. | 1.7 | 23 |
| 38 | Evidence for superior current carrying capability of iron pnictide tapes under hydrostatic pressure. Physical Review Materials, 2017, 1 , . | 2.4 | 23 |
| 39 | Ray optics behavior of flux avalanche propagation in superconducting films. Physical Review B, 2015, 91, . | 3.2 | 22 |
| 40 | Mechanism for flux guidance by micrometric antidot arrays in superconducting films. Physical Review B, 2012, 85, . | 3.2 | 21 |
| 41 | Quantitative imaging of stray fields and magnetization distributions in hard magnetic element arrays. Journal of Applied Physics, 2007, 101, 083905. | 2.5 | 20 |
| 42 | Nanosecond voltage pulses from dendritic flux avalanches in superconducting NbN films. Applied Physics Letters, 2013, 102, . | 3.3 | 20 |
| 43 | Oscillatory regimes of the thermomagnetic instability in superconducting films. Physical Review B, 2016, 93, . | 3.2 | 20 |
| 44 | Flux penetration in a superconducting film partially capped with a conducting layer. Physical Review B, 2017, 95, . | 3.2 | 20 |
| 45 | Exact asymptotic behavior of magnetic stripe domain arrays. Physical Review B, 2013, 87, . | 3.2 | 19 |
| 46 | Cascade dynamics of thermomagnetic avalanches in superconducting films with holes. Physical Review B, 2015, 92, . | 3.2 | 19 |
| 47 | Computerâ€controlled highâ€resolution capacitance dilatometer/oven system: Design, instrumentation, and performance. Review of Scientific Instruments, 1986, 57, 1168-1174. | 1.3 | 17 |
| 48 | Dynamic colloidal sorting on a magnetic bubble lattice. Applied Physics Letters, 2008, 93, . | 3.3 | 16 |
| 49 | Conducting properties of In2O3:Sn thin films at low temperatures. Applied Physics A: Materials Science and Processing, 2014, 114, 957-964. | 2.3 | 16 |
| 50 | Limiting thermomagnetic avalanches in superconducting films by stop-holes. Applied Physics Letters, 2013, 103, 032604. | 3.3 | 15 |
| 51 | Scaling and exact solutions for the flux creep problem in a slab superconductor. Physical Review B, 2002, 65, . | 3.2 | 14 |
| 52 | Magneto-Optical Imaging of Superconductors for Liquid Hydrogen Applications. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1499-1502. | 1.8 | 14 |
| 53 | Bidirectional particle transport and size selective sorting of Brownian particles in a flashing spatially periodic energy landscape. Physical Chemistry Chemical Physics, 2016, 18, 26353-26357. | 2.8 | 14 |
| 54 | Selective surface/interface characterization of thin garnet films by magnetization-induced second-harmonic generation. Physical Review B, 2004, 70, . | 3.2 | 13 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Snell's law for spin waves at a 90° magnetic domain wall. Applied Physics Letters, 2020, 116, . | 3.3 | 13 |
| 56 | High Resolution Thermal Imaging of Hotspots in Superconducting Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3215-3218. | 1.7 | 12 |
| 57 | The Thermomagnetic Instability in Superconducting Films with Adjacent Metal Layer. Journal of Low Temperature Physics, 2013, 173, 303-326. | 1.4 | 12 |
| 58 | Metal frame as local protection of superconducting films from thermomagnetic avalanches. AIP Advances, 2016, 6, . | 1.3 | 12 |
| 59 | Controllable injector for local flux entry into superconducting films. Superconductor Science and Technology, 2016, 29, 095003. | 3.5 | 12 |
| 60 | A pendulum feedback system to measure the lateral force on a magnet placed above a highâ€√c superconductor. Review of Scientific Instruments, 1990, 61, 3827-3829. | 1.3 | 10 |
| 61 | Magnetic Levitation With High-T c Superconducting Thin Films. Journal of Superconductivity and Novel Magnetism, 1998, 11, 519-524. | 0.5 | 10 |
| 62 | Reconfigurable atom chip on a transparent ferrite-garnet film. European Physical Journal D, 2005, 35, 81-85. | 1.3 | 10 |
| 63 | Thermo-magnetic stability of superconducting films controlled by nano-morphology. Applied Physics Letters, 2013, 102, 252601. | 3.3 | 10 |
| 64 | Substrate Influence on Dendritic Flux Instability in YBCO Thin Films. Journal of Superconductivity and Novel Magnetism, 2015, 28, 379-382. | 1.8 | 10 |
| 65 | Metamorphosis of discontinuity lines and rectification of magnetic flux avalanches in the presence of noncentrosymmetric pinning forces. Physical Review B, 2021, 103, . | 3.2 | 10 |
| 66 | Width-dependent upper threshold field for flux noise in MgB2 strips. Applied Physics Letters, 2007, 91, . | 3.3 | 9 |
| 67 | Magnetic flux avalanches in Nb/NbN thin films. Low Temperature Physics, 2020, 46, 365-371. | 0.6 | 9 |
| 68 | Fast and rewritable colloidal assembly via field synchronized particle swapping. Applied Physics Letters, 2014, 104, 174102. | 3.3 | 8 |
| 69 | Phase-resolved spin-wave tomography. Applied Physics Letters, 2018, 112, . | 3.3 | 8 |
| 70 | Instability of the magnetization reversal front in superconductors with a nonlinear anisotropic current-voltage characteristic. JETP Letters, 2002, 76, 291-294. | 1.4 | 7 |
| 71 | Quasi-One-Dimensional Intermittent Flux Behavior in Superconducting Films. Physical Review X, 2012, 2, . | 8.9 | 7 |
| 72 | Anisotropic thermomagnetic avalanche activity in field-cooled superconducting films. Physical Review B, 2017, 96, . | 3.2 | 7 |

| # | Article | lF | CITATIONS |
|----|---|-----|-----------|
| 73 | $180 \hat{A}^{o}$ -phase shift of magnetoelastic waves observed by phase-resolved spin-wave tomography. Applied Physics Letters, 2018, 112, . | 3.3 | 7 |
| 74 | Time-Resolved Imaging of Magnetoelastic Waves by the Cotton-Mouton Effect. Physical Review Applied, $2019,11,1$ | 3.8 | 7 |
| 75 | New criticalâ€state model for magnetization of hard typeâ€ll superconductors. Journal of Applied Physics, 1994, 76, 8001-8004. | 2.5 | 6 |
| 76 | Spatially resolved studies of chemical composition, critical temperature, and critical current density of a YBa2Cu3O7â^î thin film. Journal of Applied Physics, 1998, 84, 5089-5096. | 2.5 | 6 |
| 77 | Detection of magnetic data using a magnetooptic indicator. Journal of Applied Physics, 2002, 92, 543-548. | 2.5 | 6 |
| 78 | The instability of the front of magnetization reversal in anisotropic superconductors. Journal of Experimental and Theoretical Physics, 2002, 95, 768-776. | 0.9 | 6 |
| 79 | Trapping Flux Avalanches in Nb Films by Circular Stop-Holes of Different Size. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4. | 1.7 | 6 |
| 80 | Energy of dendritic avalanches in thin-film superconductors. AIP Advances, 2018, 8, 085128. | 1.3 | 6 |
| 81 | Regulating wave front dynamics from the strongly discrete to the continuum limit in magnetically driven colloidal systems. Scientific Reports, 2016, 6, 19932. | 3.3 | 5 |
| 82 | A Tunable Magnetic Domain Wall Conduit Regulating Nanoparticle Diffusion. Nano Letters, 2016, 16, 5169-5175. | 9.1 | 5 |
| 83 | Origin of magnetic flux-jumps in Nb films subject to mechanical vibrations and corresponding magnetic perturbations. Physical Review B, 2018, 97, . | 3.2 | 5 |
| 84 | Imaging Flux Avalanches in V 3 Si Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4. | 1.7 | 5 |
| 85 | Critical state magnetization of hard type-II superconductors with rectangular and cylindrical cross-sections. Journal of Superconductivity and Novel Magnetism, 1997, 10, 151-158. | 0.5 | 4 |
| 86 | Modelling the Anomalous Low Field Peak Position in Bi-2223 Tapes. Physica Status Solidi A, 1998, 167, R1-R2. | 1.7 | 4 |
| 87 | Symmetry of the remanent-state flux distribution in superconducting thin strips: Probing the critical state. Physical Review B, 2001, 63, . | 3.2 | 4 |
| 88 | Permanent magnet systems with strong stray magnetic fields and very high gradients for material separation. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1556-1560. | 1.8 | 4 |
| 89 | All-optical reversible switching of local magnetization. Applied Physics Letters, 2007, 91, 041916. | 3.3 | 4 |
| 90 | Large domain walls near crack lines in ferrimagnetic garnet films. Physical Review B, 2008, 77, . | 3.2 | 4 |

| # | Article | IF | Citations |
|-----|---|-----|-----------|
| 91 | Temperature Dependence of the Flux Jump Upper Threshold Field in MgB2 Thin Films. Journal of the Physical Society of Japan, 2008, 77, 104717. | 1.6 | 4 |
| 92 | Development of macroturbulent instability in a YBCO single crystal. Low Temperature Physics, 2009, 35, 627-631. | 0.6 | 4 |
| 93 | Evidence of Rouse-like dynamics in magnetically ratchetting colloidal chains. Soft Matter, 2011, 7, 7944. | 2.7 | 4 |
| 94 | A new approach to the inverse problem for current mapping in thin-film superconductors. Journal of Applied Physics, 2018, 123, 123906. | 2.5 | 4 |
| 95 | Anisotropic Flux Penetration in Superconducting Nb Films With Frozen-in In-plane Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5. | 1.7 | 4 |
| 96 | Scaling Behavior of Quasi-One-Dimensional Vortex Avalanches in Superconducting Films. Scientific Reports, 2020, 10, 5641. | 3.3 | 4 |
| 97 | Enhancing the effective critical current density in a Nb superconducting thin film by cooling in an inhomogeneous magnetic field. Applied Physics Letters, 2021, 119, . | 3.3 | 4 |
| 98 | Superconducting Properties and Electron Scattering Mechanisms in a Nb Film with a Single Weak-Link Excavated by Focused Ion Beam. Materials, 2021, 14, 7274. | 2.9 | 4 |
| 99 | Instability of the Critical State in NdBa2Cu3O7?? Single Crystals. Physica Status Solidi (B): Basic Research, 1999, 215, R11-R12. | 1.5 | 3 |
| 100 | SQUID and Magneto-Optic Investigations of Flux Turbulence in the Critical State. Journal of Superconductivity and Novel Magnetism, 2002, 15, 153-157. | 0.5 | 3 |
| 101 | Magnetic field visualization of magnetic minerals and grain boundary regions using magneto-optical imaging. Journal of Geophysical Research, 2007, 112, . | 3.3 | 3 |
| 102 | Flux distribution in Fe-based superconducting materials by magneto-optical imaging. Journal of Applied Physics, 2012, 111, 07E143. | 2.5 | 3 |
| 103 | Spin texture on top of flux avalanches in Nb/Al2O3/Co thin film heterostructures. Journal of Applied Physics, 2017, 121, 013905. | 2.5 | 3 |
| 104 | Computerized analysis of thermal correlations using Peltier ac heating. Journal of Applied Physics, 1986, 60, 2754-2761. | 2.5 | 2 |
| 105 | Magnetic Flux Penetration into Polycrystalline Superconducting (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10 + x} Ceramics Containing Additions of Inorganic Compounds. Inorganic Materials, 2003, 39, S113-S120. | 0.8 | 2 |
| 106 | Superconductivity in an anomalously tetragonalYBa2Cu3O6.62single crystal: A possible singularity in the structural phase diagram. Physical Review B, 2003, 67, . | 3.2 | 2 |
| 107 | Manipulation of paramagnetic particles using a nanoscale asymmetric magnetic potential. Applied Physics Letters, 2008, 93, 042516. | 3.3 | 2 |
| 108 | Intermittent Flux Penetration at Different Temperatures inÂYBa2Cu3O7â^'x on NdGaO3 Substrates. Journal of Superconductivity and Novel Magnetism, 2011, 24, 179-181. | 1.8 | 2 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Transparency of Planar Interfaces in Superconductors: A Critical-State Analysis. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4. | 1.7 | 2 |
| 110 | Instability of the Vortex-Antivortex System in Anisotropic Hard Superconductors with Nonlinear Current-Voltage Characteristics. Modern Physics Letters B, 2003, 17, 589-595. | 1.9 | 1 |
| 111 | Flux Distribution at the Cross Section of Stacked Nanostructured Magnetic Ribbon. IEEE Transactions on Magnetics, 2009, 45, 3912-3914. | 2.1 | 1 |
| 112 | Modelling the Anomalous Low Field Peak Position in Bi-2223 Tapes. Physica Status Solidi A, 1998, 167, R1-R2. | 1.7 | 1 |
| 113 | Thermally active nanoparticle clusters enslaved by engineered domain wall traps. Nature Communications, 2021, 12, 5813. | 12.8 | 1 |
| 114 | Two-dimensional electron gas in an inhomogeneous magnetic field created by a high T c superconductor. European Physical Journal D, 1996, 46, 2521-2522. | 0.4 | 0 |
| 115 | UPPER THRESHOLD FIELDS OF DENDRITIC FLUX JUMPS IN GOLD-COATED MgB2 THIN FILMS. International Journal of Modern Physics B, 2007, 21, 3310-3313. | 2.0 | 0 |
| 116 | Optical Writing and Erasing of Magnetic Domain Patterns on a Ferrite-Garnet Film. Journal of the Magnetics Society of Japan, 2008, 32, 117-119. | 0.9 | 0 |