

# Evgeny F Talantsev

## List of Publications by Year in descending order

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136  
papers

1,764  
citations

257357

24  
h-index

377752

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143  
all docs

143  
docs citations

143  
times ranked

999  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A disorder-sensitive emergent vortex phase identified in high-T <sub>c</sub> superconductor (Li,Fe)OHFeSe. Superconductor Science and Technology, 2022, 35, 064007.  | 1.8 | 7         |
| 2  | Method to extracting the penetration field in superconductors from DC magnetization data. Review of Scientific Instruments, 2022, 93, .  | 0.6 | 2         |
| 3  | Electron-phonon coupling constant and BCS ratios in LaH <sub>10</sub> doped with magnetic rare-earth element. Superconductor Science and Technology, 2022, 35, 095008.   | 1.8 | 5         |
| 4  | The electron-phonon coupling constant, Fermi temperature and unconventional superconductivity in the carbonaceous sulfur hydride 190 K superconductor. Superconductor Science and Technology, 2021, 34, 034001.          | 1.8 | 12        |
| 5  | Cooper pair trajectories in superconducting slab at self-field conditions. Modern Physics Letters B, 2021, 35, 2150226.  | 1.0 | 0         |
| 6  | Resistive transition of hydrogen-rich superconductors. Superconductor Science and Technology, 2021, 34, 064001.  | 1.8 | 10        |
| 7  | Quantifying the Charge Carrier Interaction in Metallic Twisted Bilayer Graphene Superlattices. Nanomaterials, 2021, 11, 1306.  | 1.9 | 8         |
| 8  | Comparison of highly-compressed C2/m-SnH <sub>12</sub> superhydride with conventional superconductors. Journal of Physics Condensed Matter, 2021, 33, 285601.  | 0.7 | 7         |
| 9  | Superconductivity emerging from a stripe charge order in IrTe <sub>2</sub> nanoflakes. Nature Communications, 2021, 12, 3157.  | 5.8 | 23        |
| 10 | Piecewise Model with Two Overlapped Stages for Structure Formation and Hardening upon High-Pressure Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4510-4517. | 1.1 | 0         |
| 11 | Classifying Charge Carrier Interaction in Highly Compressed Elements and Silane. Materials, 2021, 14, 4322.  | 1.3 | 3         |
| 12 | The dominance of non-electron-phonon charge carrier interaction in highly-compressed superhydrides. Superconductor Science and Technology, 2021, 34, 115001.   | 1.8 | 7         |
| 13 | The electron-phonon coupling constant and the Debye temperature in polyhydrides of thorium, hexadeuteride of yttrium, and metallic hydrogen phase III. Journal of Applied Physics, 2021, 130, .                          | 1.1 | 13        |
| 14 | Classifying superconductivity in an infinite-layer nickelate Nd <sub>0.8</sub> Sr <sub>0.2</sub> NiO <sub>2</sub> . Results in Physics, 2020, 17, 103118.  | 2.0 | 13        |
| 15 | Advanced McMillan's equation and its application for the analysis of highly-compressed superconductors. Superconductor Science and Technology, 2020, 33, 094009.   | 1.8 | 19        |
| 16 | Classifying superconductivity in ThH-ThD superhydrides/superdeuterides. Materials Research Express, 2020, 7, 016003.   | 0.8 | 9         |
| 17 | Unconventional superconductivity in highly-compressed unannealed sulphur hydride. Results in Physics, 2020, 16, 102993.  | 2.0 | 6         |
| 18 | Classifying superconductivity in Moiré graphene superlattices. Scientific Reports, 2020, 10, 212.  | 1.6 | 28        |

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|----|--|-----|-----------|
| 19 | Anisotropy of flux pinning properties in superconducting (Li,Fe)OHFeSe thin films. Superconductor Science and Technology, 2020, 33, 114009.  | 1.8 | 10        |
| 20 | An approach to identifying unconventional superconductivity in highly-compressed superconductors. Superconductor Science and Technology, 2020, 33, 124001.   | 1.8 | 11        |
| 21 | Double-valued strong-coupling corrections to Bardeenâ€Cooperâ€Schrieffer ratios. Superconductor Science and Technology, 2020, 33, 124003.  | 1.8 | 2         |
| 22 | Classifying hydrogen-rich superconductors. Materials Research Express, 2019, 6, 106002.  | 0.8 | 21        |
| 23 | Normal state interlayer conductivity in epitaxial Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> films deposited on SrTiO <sub>3</sub> (110) single crystal substrates. Materials Research Express, 2019, 6, 096005.   | 0.8 | 6         |
| 24 | DC Self-Field Critical Current in Superconductor/Dirac-Cone Material/Superconductor Junctions. Nanomaterials, 2019, 9, 1554.   | 1.9 | 3         |
| 25 | p-wave superconductivity in iron-based superconductors. Scientific Reports, 2019, 9, 14245.  | 1.6 | 15        |
| 26 | Classifying superconductivity in compressed H <sub>3</sub> S. Modern Physics Letters B, 2019, 33, 1950195.   | 1.0 | 27        |
| 27 | Evaluation of a practical level of critical current densities in pnictides and recently discovered superconductors. Superconductor Science and Technology, 2019, 32, 084007.   | 1.8 | 5         |
| 28 | Classifying Induced Superconductivity in Atomically Thin Dirac-Cone Materials. Condensed Matter, 2019, 4, 83.  | 0.8 | 7         |
| 29 | The onset of dissipation in high-temperature superconductors: flux trap, hysteresis and in-field performance of multifilamentary Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+x</sub> wires. Materials Research Express, 2019, 6, 026002. | 0.8 | 2         |
| 30 | Angular dependence of the upper critical field in randomly restacked 2D superconducting nanosheets. Superconductor Science and Technology, 2019, 32, 015013.   | 1.8 | 2         |
| 31 | Current distribution across type II superconducting films: a new vortex-free critical state. Scientific Reports, 2018, 8, 1716.  | 1.6 | 10        |
| 32 | Critical de Broglie wavelength in superconductors. Modern Physics Letters B, 2018, 32, 1850114.  | 1.0 | 14        |
| 33 | Mode I Delamination Testing of REBCO Coated Conductors via Climbing Drum Peel Test. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.   | 1.1 | 18        |
| 34 | Two-band induced superconductivity in single-layer graphene and topological insulator bismuth selenide. Superconductor Science and Technology, 2018, 31, 015011.   | 1.8 | 5         |
| 35 | Compressed H <sub>3</sub> S, Superfluid Density and the Quest for Room-Temperature Superconductivity. Journal of Superconductivity and Novel Magnetism, 2018, 31, 619-624.   | 0.8 | 7         |
| 36 | The onset of dissipation in high-temperature superconductors: magnetic hysteresis and field dependence. Scientific Reports, 2018, 8, 14463.  | 1.6 | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Formation of an Ordered Structure in the 40Auâ€“25.4Pdâ€“34.6Cu Alloy (wt %). Physics of Metals and Metallography, 2018, 119, 1222-1228.                                      | 0.3 | 1         |
| 38 | Weak-links criterion for pnictide and cuprate superconductors. Superconductor Science and Technology, 2018, 31, 124001.   | 1.8 | 6         |
| 39 | Polar projections for big data analysis in applied superconductivity. AIP Advances, 2018, 8, .  | 0.6 | 7         |
| 40 | Critical current retention of potted and unpotted REBCO Roebel cables under transverse pressure and thermal cycling. Superconductor Science and Technology, 2017, 30, 045014. | 1.8 | 16        |
| 41 | Ultrahigh energy density harvested from domain-engineered relaxor ferroelectric single crystals under high strain rate loading. Scientific Reports, 2017, 7, 46758.           | 1.6 | 32        |
| 42 | On the origin of critical temperature enhancement in atomically thin superconductors. 2D Materials, 2017, 4, 025072.  | 2.0 | 44        |
| 43 | London penetration depth and thermal fluctuations in the sulphur hydride 203 K superconductor. Annalen Der Physik, 2017, 529, 1600390.  | 0.9 | 33        |
| 44 | Universal scaling of the self-field critical current in superconductors: from sub-nanometre to millimetre size. Scientific Reports, 2017, 7, 10010.                           | 1.6 | 25        |
| 45 | Thermodynamic Parameters of Singleâ€•or Multiâ€•Band Superconductors Derived from Selfâ€•Field Critical Currents. Annalen Der Physik, 2017, 529, 1700197.                     | 0.9 | 37        |
| 46 | The onset of dissipation in high-temperature superconductors: Self-field experiments. AIP Advances, 2017, 7, .  | 0.6 | 12        |
| 47 | High Voltage Generation With Transversely Shock-Compressed Ferroelectrics: Breakdown Field on Thickness Dependence. IEEE Transactions on Plasma Science, 2016, 44, 1919-1927. | 0.6 | 5         |
| 48 | High voltage generation with transversely shock compressed ferroelectrics: Thickness dependent law for breakdown field. , 2015, , .   |     | 1         |
| 49 | Effective Low-Temperature Flux Pinning by Au Ion Irradiation in HTS Coated Conductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.                         | 1.1 | 17        |
| 50 | Universal self-field critical current for thin-film superconductors. Nature Communications, 2015, 6, 7820.  | 5.8 | 78        |
| 51 | Hole doping dependence of critical current density in YBa2Cu3O7â€“ $\delta$ conductors. Applied Physics Letters, 2014, 104, .   | 1.5 | 45        |
| 52 | Depolarization mechanisms of PbZr0.52Ti0.48O3 and PbZr0.95Ti0.05O3 poled ferroelectrics under high strain rate loading. Applied Physics Letters, 2014, 104, .                 | 1.5 | 43        |
| 53 | The scaling of transport AC losses in Roebel cables with varying strand parameters. Superconductor Science and Technology, 2014, 27, 075007.                                  | 1.8 | 19        |
| 54 | Cryogen-free 1kA-class<i>I<sub>c</sub></i> measurement system featuring an 8 T HTS magnet. Journal of Physics: Conference Series, 2014, 507, 022037.                          | 0.3 | 4         |

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|----|---|-----|-----------|
| 55 | Relating Critical Currents to Defect Populations in Superconductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001705-8001705.   | 1.1 | 9         |
| 56 | Oxygen Deficiency, Stacking Faults and Calcium Substitution in MOD YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 7200205-7200205.   | 1.1 | 15        |
| 57 | Extension of thickness-dependent dielectric breakdown law on adiabatically compressed ferroelectric materials. Applied Physics Letters, 2013, 102, .  | 1.5 | 22        |
| 58 | The Dependence of Transport AC Loss on Temperature and DC Parallel Magnetic Field in an Eight-Strand YBCO Roebel Cable. IEEE Transactions on Applied Superconductivity, 2013, 23, 5402604-5402604.  | 1.1 | 4         |
| 59 | Effect of shock front geometry on shock depolarization of Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ferroelectric ceramics. Review of Scientific Instruments, 2012, 83, 074702.  | 0.6 | 4         |
| 60 | Miniature 100-kV Explosive-Driven Prime Power Sources Based on Transverse Shock-Wave Depolarization of PZT 95/5 Ferroelectric Ceramics. IEEE Transactions on Plasma Science, 2012, 40, 2512-2516.   | 0.6 | 16        |
| 61 | Gas Breakdown Initiation in Explosive-Driven Pulsed Power Systems: Phenomenon and Possible Mechanisms. IEEE Transactions on Plasma Science, 2012, 40, 2501-2511.  | 0.6 | 2         |
| 62 | Note: Utilizing Pb(Zr <sub>0.95</sub> Ti <sub>0.05</sub> )O <sub>3</sub> ferroelectric ceramics to scale down autonomous explosive-driven shock-wave ferroelectric generators. Review of Scientific Instruments, 2012, 83, 076104.              | 0.6 | 12        |
| 63 | The development of a Roebel cable based 1 MVA HTS transformer. Superconductor Science and Technology, 2012, 25, 014002.   | 1.8 | 31        |
| 64 | PZT 52/48 ferroelectric ceramics: Depolarization and electric breakdown under longitudinal explosive shock. , 2011, , .   |     | 0         |
| 65 | The depolarization of Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ferroelectrics by cylindrical radially expanding shock waves and its utilization for miniature pulsed power. Review of Scientific Instruments, 2011, 82, 054701. | 0.6 | 10        |
| 66 | Low-Temperature Pinning Behavior of MOD YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 3214-3217.  | 1.1 | 5         |
| 67 | Possible mechanisms for electric-field-free gas breakdown. , 2011, , .  |     | 0         |
| 68 | Miniature 100-kV explosively driven prime power sources based on transverse shock-wave depolarization of Pb(Zr <sub>0.95</sub> Ti <sub>0.05</sub> )O <sub>3</sub> ferroelectric ceramics. , 2011, , .   |     | 1         |
| 69 | Electric breakdown of longitudinally shocked Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ceramics. Journal of Applied Physics, 2011, 110, .  | 1.1 | 24        |
| 70 | Imaging of Electric-Field-Free Gas Breakdown. IEEE Transactions on Plasma Science, 2011, 39, 2386-2387.   | 0.6 | 1         |
| 71 | Formation of Nanoparticles in Zr and Dy Doped YBCO MOD Superconducting Films. Materials Science Forum, 2011, 700, 15-18.  | 0.3 | 2         |
| 72 | Pinning Force Anisotropy for HTS Wires. Materials Science Forum, 2011, 700, 7-10.   | 0.3 | 1         |

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|----|---|-----|-----------|
| 73 | Note: Miniature 120-kV autonomous generator based on transverse shock-wave depolarization of Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ferroelectrics. Review of Scientific Instruments, 2011, 82, 086107. | 0.6 | 18        |
| 74 | Electric field-free gas breakdown in explosively driven generators. Physics of Plasmas, 2010, 17, 074504.   | 0.7 | 4         |
| 75 | Miniature Explosively Driven High-Current Transverse-Shock-Wave Ferromagnetic Generators. IEEE Transactions on Plasma Science, 2010, 38, 1784-1793.   | 0.6 | 10        |
| 76 | PZT 52/48 Depolarization: Quasi-Static Thermal Heating Versus Longitudinal Explosive Shock. IEEE Transactions on Plasma Science, 2010, 38, 1856-1863.   | 0.6 | 18        |
| 77 | Note: Autonomous pulsed power generator based on transverse shock wave depolarization of ferroelectric ceramics. Review of Scientific Instruments, 2010, 81, 126102.  | 0.6 | 14        |
| 78 | Electric discharge caused by expanding armatures in flux compression generators. Applied Physics Letters, 2009, 94, .   | 1.5 | 9         |
| 79 | Flux Pinning Centers In Metal-Organic Deposited YBCO Coated Conductors. AIP Conference Proceedings, 2009, , .   | 0.3 | 4         |
| 80 | Nucleation And Growth Of Ba-Reduced Metal Organic Deposited YBCO Films. , 2009, , .   |     | 2         |
| 81 | Flux pinning by discontinuous columnar defects in 74MeV Ag-irradiated YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> coated conductors. Physica C: Superconductivity and Its Applications, 2009, 469, 2060-2067.         | 0.6 | 46        |
| 82 | Operation of longitudinal shock wave ferroelectric generators in the resistance mode. , 2009, , .   |     | 0         |
| 83 | Dominant role of the explosively expanding armature on the initiation of electric discharge in magnetic flux compression generators. , 2009, , .  |     | 2         |
| 84 | Conductivity of explosively shocked potassium chloride. , 2009, , .   |     | 0         |
| 85 | Flux Pinning by Barium Stannate Nanoparticles in MOD YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3140-3143.   | 1.1 | 8         |
| 86 | Nanoparticle additions for enhanced flux pinning in YBCO HTS films. Current Applied Physics, 2008, 8, 372-375.  | 1.1 | 21        |
| 87 | Microstructure of metal-organic deposited YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> wires with Dy and Zr additions observed by TEM. Current Applied Physics, 2008, 8, 262-265.                                    | 1.1 | 5         |
| 88 | Enhanced flux pinning by BaZrO <sub>3</sub> nanoparticles in metal-organic deposited YBCO second-generation HTS wire. Physica C: Superconductivity and Its Applications, 2008, 468, 183-189.                              | 0.6 | 57        |
| 89 | Critical current anisotropy for second generation HTS wires. Current Applied Physics, 2008, 8, 388-390.   | 1.1 | 35        |
| 90 | High Voltage Charging of a Capacitor Bank. IEEE Transactions on Plasma Science, 2008, 36, 44-51.  | 0.6 | 19        |

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|-----|---|-----|-----------|
| 91  | Operation of the Longitudinal Shock Wave Ferroelectric Generator Charging a Capacitor Bank. , 2007, , .   |     | 1         |
| 92  | TEM observation of the microstructure of metal-organic deposited $\text{YBa}_{2}\text{Cu}_{3}\text{O}_{7-\delta}$ with Dy additions. Superconductor Science and Technology, 2007, 20, 880-885.                          | 1.8 | 38        |
| 93  | Modeling of Vortex Paths in HTS. IEEE Transactions on Applied Superconductivity, 2007, 17, 3684-3687.   | 1.1 | 23        |
| 94  | Explosive-Driven Mini-System Based on Shock Wave Ferromagnetic Seed Source and Loop Magnetic Flux Compression Generator. , 2007, , .  |     | 0         |
| 95  | Analytical Method for Calculation of Currents Produced by Shock Wave Ferromagnetic Generators. , 2007, , .  |     | 0         |
| 96  | Compact Autonomous Completely Explosive Pulsed Power Systems. , 2007, , .   |     | 0         |
| 97  | Compact autonomous completely explosive pulsed power system. , 2007, , .  |     | 0         |
| 98  | Operation of the longitudinal shock wave ferroelectric generator charging a capacitor bank: Experiments and digital model. , 2007, , .  |     | 2         |
| 99  | Explosive-driven mini-system based on shock wave ferromagnetic seed source and loop magnetic flux compression generator. , 2007, , .  |     | 0         |
| 100 | Analytical model for explosive-driven ultracompact shock-wave ferromagnetic generators. , 2007, , .   |     | 0         |
| 101 | Completely Explosive Autonomous High-Voltage Pulsed-Power System Based on Shockwave Ferromagnetic Primary Power Source and Spiral Vector Inversion Generator. IEEE Transactions on Plasma Science, 2006, 34, 1866-1872. | 0.6 | 16        |
| 102 | New Concept for Constructing an Autonomous Completely Explosive Pulsed Power System: Transverse Shock Wave Ferromagnetic Primary Power Source and Loop Flux Compression Amplifier. , 2006, , .                          |     | 0         |
| 103 | Pulse Charging of Capacitor Bank by Explosive-Driven Shock Wave Ferroelectric Generator. , 2006, , .  |     | 2         |
| 104 | Transformer-Type Seeding System of a Helical FCG Based on a Transverse Shock Wave Ferromagnetic Generator. , 2006, , .  |     | 1         |
| 105 | Completely explosive ultracompact high-voltage nanosecond pulse-generating system. Review of Scientific Instruments, 2006, 77, 043904.  | 0.6 | 25        |
| 106 | Compact autonomous explosive-driven pulsed power system based on a capacitive energy storage charged by a high-voltage shock-wave ferromagnetic generator. Review of Scientific Instruments, 2006, 77, 066107.          | 0.6 | 17        |
| 107 | Transverse Explosive Shock-Wave Compression of $\text{Nd}_2\text{Fe}_{14}\text{B}$ High-Energy Hard Ferromagnets: Induced Magnetic Phase Transition. AIP Conference Proceedings, 2006, , .                              | 0.3 | 15        |
| 108 | Longitudinal Shock Wave Depolarization of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Polycrystalline Ferroelectrics and their Utilization in Explosive Pulsed Power. AIP Conference Proceedings, 2006, , . | 0.3 | 9         |

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|-----|---|-----|-----------|
| 109 | A Novel On-Chip Diagnostic Method to Measure Burn Rates of Energetic Materials. Journal of Energetic Materials, 2006, 24, 1-15.   | 1.0 | 24        |
| 110 | Compact Autonomous Completely Explosive Pulsed Power System Based on Transverse Shock Wave Demagnetization Of Nd <sub>2</sub> Fe <sub>14</sub> B and Magnetic Flux Compression. , 2006, , .   |     | 0         |
| 111 | A New Concept of Explosive Pulsed Power: Design of Macro Primary Power Sources Based on Elementary Miniature Shock-Wave Ferromagnetic Cells. , 2006, , .  |     | 1         |
| 112 | Depolarization of a Pb(Zr <sub>52</sub> Ti <sub>48</sub> )O <sub>3</sub> Polycrystalline Piezoelectric Energy-Carrying Element of Compact Pulsed Power Generator by a Longitudinal Shock Wave. , 2005, , .                            |     | 6         |
| 113 | Completely Explosive Ultracompact High-Voltage Pulse Generating System. , 2005, , .   |     | 7         |
| 114 | Operation of High-Voltage Transverse Shock Wave Ferromagnetic Generator in the Open Circuit and Charging Modes. , 2005, , .   |     | 1         |
| 115 | Ferrihydrite gels derived in the Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> Oâ€“C <sub>2</sub> H <sub>5</sub> OHâ€“CH <sub>3</sub> CH <sub>2</sub> O ternary system. Journal of Non-Crystalline Solids, 2005, 351, 1426-1432. | 1.5 | 4         |
| 116 | Pulsed Charging of Capacitor Bank by Compact Explosive-Driven High-Voltage Primary Power Source Based on Longitudinal Shock Wave Depolarization of Ferroelectric Ceramics. , 2005, , .  |     | 5         |
| 117 | Compact high-voltage generator of primary power based on shock wave depolarization of lead zirconate titanate piezoelectric ceramics. Review of Scientific Instruments, 2004, 75, 2766-2769.  | 0.6 | 51        |
| 118 | Longitudinal-shock-wave compression of Nd <sub>2</sub> Fe <sub>14</sub> B high-energy hard ferromagnet: The pressure-induced magnetic phase transition. Applied Physics Letters, 2003, 82, 1248-1250.                                 | 1.5 | 44        |
| 119 | Currents produced by explosive driven transverse shock wave ferromagnetic source of primary power in a coaxial single-turn seeding coil of a magnetocumulative generator. Journal of Applied Physics, 2003, 93, 4529-4535.            | 1.1 | 31        |
| 120 | Completely explosive pulsed power minisystem. Review of Scientific Instruments, 2003, 74, 225-230.  | 0.6 | 23        |
| 121 | Ultracompact explosive-driven high-current source of primary power based on shock wave demagnetization of Nd <sub>2</sub> Fe <sub>14</sub> B hard ferromagnetics. Review of Scientific Instruments, 2002, 73, 2738-2742.              | 0.6 | 36        |
| 122 | Shock wave demagnetization of BaFe <sub>12</sub> O <sub>19</sub> hard ferrimagnetics. Journal of Applied Physics, 2002, 91, 3007-3009.  | 1.1 | 24        |
| 123 | THE CONDUCTIVITY OF A LONGITUDINAL-SHOCK-WAVE-COMPRESSED Nd <sub>2</sub> Fe <sub>14</sub> B HARD FERROMAGNETICS. Modern Physics Letters B, 2002, 16, 545-554.   | 1.0 | 13        |
| 124 | Theoretical treatment of explosive-driven ferroelectric generators. IEEE Transactions on Plasma Science, 2002, 30, 1665-1673.   | 0.6 | 25        |
| 125 | The current mode of pulsed power generation in a moving magnet system. IEEE Transactions on Plasma Science, 2002, 30, 1674-1680.  | 0.6 | 8         |
| 126 | Compact explosive-driven generator of primary power based on a longitudinal shock wave demagnetization of hard ferri- and ferromagnets. IEEE Transactions on Plasma Science, 2002, 30, 1681-1691.                                     | 0.6 | 26        |



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|-----|---|-----|-----------|
| 127 | Transverse shock wave demagnetization of Nd <sub>2</sub> Fe <sub>14</sub> B high-energy hard ferromagnetics. Journal of Applied Physics, 2002, 92, 159-162.   | 1.1 | 43        |
| 128 | Single-shot, repetitive, and lifetime high-voltage testing of capacitors. IEEE Transactions on Plasma Science, 2002, 30, 1943-1949.   | 0.6 | 6         |
| 129 | Field ion microscopy of high-temperature superconductors. Superconductor Science and Technology, 1995, 8, 593-604.  | 1.8 | 1         |
| 130 | The tensile strength of perfect LuBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystals of submicrometre cross-sectional dimensions. Superconductor Science and Technology, 1994, 7, 491-494.  | 1.8 | 11        |
| 131 | Field ion microscopy investigation of the disorder-to-order transformation in FePd <sub>2</sub> Au after bombardment by Ar <sup>+</sup> ions. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1994, 70, 439-445. | 0.7 | 4         |
| 132 | Atomic structure and phase state of quenched FePd <sub>2</sub> Au alloy after bombardment by Ar <sup>+</sup> ions. , 1994, , .  |     | 0         |
| 133 | Micromachining of a high-temperature superconductor for field ion microscopy. Journal of Micromechanics and Microengineering, 1993, 3, 87-89.   | 1.5 | 3         |
| 134 | FIELD ION MICROSCOPE STUDY OF HIGH-TEMPERATURE SUPERCONDUCTOR Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . Modern Physics Letters B, 1992, 06, 1029-1035.   | 1.0 | 2         |
| 135 | ATOMIC STRUCTURE OF SUPERCONDUCTOR YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> IN FIELD ION MICROSCOPE. Journal De Physique Colloque, 1988, 49, C6-477-C6-481.  | 0.2 | 11        |
| 136 | Thermodynamic parameters of atomically thin superconductors derived from the upper critical field. Superconductor Science and Technology, 0, , .  | 1.8 | 1         |