

Pavol Kovac

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239
papers

2,937
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242
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ext. citations

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avg, IF

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L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 239 | Properties of hydrostatically extruded in situ MgB ₂ wires doped with SiC. <i>Superconductor Science and Technology</i> , 2006 , 19, 1-8 | 3.1 | 76 |
| 238 | Preparation of glycoconjugates by dialkyl squarate chemistry revisited. <i>Carbohydrate Research</i> , 2008 , 343, 196-210 | 2.9 | 74 |
| 237 | Induction of protective immunity by synthetic <i>Vibrio cholerae</i> hexasaccharide derived from V. cholerae O1 Ogawa lipopolysaccharide bound to a protein carrier. <i>Journal of Infectious Diseases</i> , 2002 , 185, 950-62 | 7 | 73 |
| 236 | Transport currents of two-axially rolled and post-annealed MgB ₂ /Fe wires at 4.2 K. <i>Superconductor Science and Technology</i> , 2002 , 15, 1340-1344 | 3.1 | 54 |
| 235 | Interfacial reactions and oxygen distribution in MgB ₂ wires in Fe, stainless steel and Nb sheaths. <i>Superconductor Science and Technology</i> , 2004 , 17, 479-484 | 3.1 | 48 |
| 234 | Simple, direct conjugation of bacterial O-SP-core antigens to proteins: development of cholera conjugate vaccines. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2179-85 | 6.3 | 47 |
| 233 | Synthetic fragments of <i>Vibrio cholerae</i> O1 Inaba O-specific polysaccharide bound to a protein carrier are immunogenic in mice but do not induce protective antibodies. <i>Infection and Immunity</i> , 2004 , 72, 4090-101 | 3.7 | 47 |
| 232 | Application of two-axial rolling for multicore Bi(2223)/Ag tapes. <i>Superconductor Science and Technology</i> , 1997 , 10, 982-986 | 3.1 | 44 |
| 231 | Influence of external magnetic fields on critical currents of solenoids wound with anisotropic HTS tapes - theoretical analysis. <i>Superconductor Science and Technology</i> , 1997 , 10, 7-16 | 3.1 | 42 |
| 230 | Microhardness profiles in BSCCO/Ag composites made by various technological steps. <i>Superconductor Science and Technology</i> , 1995 , 8, 617-625 | 3.1 | 42 |
| 229 | Quench development and propagation in metal/MgB ₂ conductors. <i>Superconductor Science and Technology</i> , 2006 , 19, 143-150 | 3.1 | 41 |
| 228 | Dependence of the critical current in ex situ multi- and mono-filamentary MgB ₂ /Fe wires on axial tension and compression. <i>Superconductor Science and Technology</i> , 2003 , 16, 600-607 | 3.1 | 41 |
| 227 | MgB ₂ composite wires with Fe, Nb and Ta sheaths. <i>Superconductor Science and Technology</i> , 2006 , 19, 600-605 | 3.1 | 40 |
| 226 | In situ investigations of phase transformations in Fe-sheathed MgB ₂ wires. <i>Superconductor Science and Technology</i> , 2006 , 19, 96-101 | 3.1 | 40 |
| 225 | Relation between critical current and exponent n in Bi(2223)/Ag tapes. <i>Superconductor Science and Technology</i> , 1997 , 10, 605-611 | 3.1 | 36 |
| 224 | Compensation of the radial magnetic field component of solenoids wound with anisotropic Bi(2223)Ag tape. <i>Superconductor Science and Technology</i> , 1997 , 10, 847-852 | 3.1 | 33 |
| 223 | Current transfer in MgB ₂ wires with different sheath materials. <i>Superconductor Science and Technology</i> , 2007 , 20, 123-128 | 3.1 | 33 |

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| 222 | Scaling the reversible strain response of MgB ₂ conductors. <i>Superconductor Science and Technology</i> , 2005 , 18, S253-S260 | 3.1 | 33 |
| 221 | Current profiles and ac losses of a superconducting strip with an elliptic cross-section in a perpendicular magnetic field. <i>Superconductor Science and Technology</i> , 2002 , 15, 1311-1315 | 3.1 | 33 |
| 220 | Properties of stabilized MgB ₂ composite wire with Ti barrier. <i>Superconductor Science and Technology</i> , 2007 , 20, 771-776 | 3.1 | 32 |
| 219 | Icanisotropy ofin situ made MgB ₂ tapes. <i>Superconductor Science and Technology</i> , 2005 , 18, L45-L48 | 3.1 | 30 |
| 218 | Field distribution effect on the performances of coils wound with Ag/Bi-2223 tape. <i>Superconductor Science and Technology</i> , 1998 , 11, 304-310 | 3.1 | 29 |
| 217 | Transport current densities of MgB ₂ wire, cable and continually transposed conductor. <i>Cryogenics</i> , 2009 , 49, 366-370 | 1.8 | 28 |
| 216 | Transport current improvements of in situ MgB ₂ tapes by the addition of carbon nanotubes, silicon carbide or graphite. <i>Superconductor Science and Technology</i> , 2007 , 20, 105-111 | 3.1 | 28 |
| 215 | New rolling technique for texturing of Bi(2223)/Ag tapes. <i>Superconductor Science and Technology</i> , 1998 , 11, 433-436 | 3.1 | 27 |
| 214 | The effect of fabrication pressure on critical transport current density in press-sinter processing of Bi(2223)Ag tapes. <i>Superconductor Science and Technology</i> , 1995 , 8, 341-346 | 3.1 | 27 |
| 213 | Stainless steel reinforced multi-core MgB ₂ wire subjected to variable deformations, heat treatments and mechanical stressing. <i>Superconductor Science and Technology</i> , 2010 , 23, 065010 | 3.1 | 26 |
| 212 | Superconducting light generator for large offshore wind turbines. <i>Journal of Physics: Conference Series</i> , 2014 , 507, 032040 | 0.3 | 25 |
| 211 | Critical currents, I_c -anisotropy and stress tolerance of MgB ₂ wires made by internal magnesium diffusion. <i>Superconductor Science and Technology</i> , 2014 , 27, 065003 | 3.1 | 25 |
| 210 | Bending of Bi(2223) - Ag tapes at 77 and 300 K. <i>Superconductor Science and Technology</i> , 1996 , 9, 792-795 | 3.1 | 24 |
| 209 | Chemical interactions in Ti doped MgB ₂ superconducting bulk samples and wires. <i>Superconductor Science and Technology</i> , 2005 , 18, 1190-1196 | 3.1 | 24 |
| 208 | Basic properties of rectangular MgB ₂ /FeNiCo and MgB ₂ /Fe wires made in situ. <i>Superconductor Science and Technology</i> , 2005 , 18, 856-860 | 3.1 | 24 |
| 207 | Studies on vaccines against cholera. Synthesis of neoglycoconjugates from the hexasaccharide determinant of <i>Vibrio cholerae</i> O:1, serotype Ogawa, by single-point attachment or by attachment of the hapten in the form of clusters. <i>Carbohydrate Research</i> , 1999 , 321, 157-67 | 2.9 | 24 |
| 206 | Properties of hot pressed MgB ₂ /Ti tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 713-716 | 1.3 | 23 |
| 205 | Critical currents of MgB ₂ wires prepared in situ and subjected to axial stress. <i>Superconductor Science and Technology</i> , 2005 , 18, 1374-1379 | 3.1 | 23 |

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| 204 | Electromechanical characterization of selected superconductors. <i>Superconductor Science and Technology</i> , 2008 , 21, 115001 | 3.1 | 22 |
| 203 | Thermomechanical treatment, structure and transport currents in multicore Bi(2223)/Ag tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 312, 179-190 | 1.3 | 22 |
| 202 | Differences in applied axial strain and I_c degradation of Bi(2223)/Ag tapes. <i>Superconductor Science and Technology</i> , 2001 , 14, L8-L11 | 3.1 | 21 |
| 201 | Study of BSCCO core density in multicore Ag sheathed tapes by microhardness profiles. <i>Superconductor Science and Technology</i> , 1996 , 9, 1066-1070 | 3.1 | 20 |
| 200 | Partitioning of transport AC loss in a superconducting tape into magnetic and resistive components. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 2967-2970 | 1.8 | 20 |
| 199 | . <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 8400106-8400106 | 1.8 | 19 |
| 198 | Mechanical properties, interface reactions and transport current densities of multi-core MgB ₂ /Ti/Cu/SS wire. <i>Superconductor Science and Technology</i> , 2010 , 23, 075012 | 3.1 | 19 |
| 197 | Current densities of MgB ₂ wires by combined ex situ/in situ process. <i>Journal of Applied Physics</i> , 2009 , 106, 013910 | 2.5 | 19 |
| 196 | MgB ₂ tapes made of mechanically alloyed precursor powder in different metallic sheaths. <i>Superconductor Science and Technology</i> , 2008 , 21, 015004 | 3.1 | 19 |
| 195 | Length of the linker and the interval between immunizations influences the efficacy of Vibrio cholerae O1, Ogawa hexasaccharide neoglycoconjugates. <i>FEMS Immunology and Medical Microbiology</i> , 2006 , 47, 116-28 | | 19 |
| 194 | Current transfer length in MgB ₂ /Fe mono-core wire and approximation of the interface layer resistivity. <i>Superconductor Science and Technology</i> , 2005 , 18, 1218-1221 | 3.1 | 19 |
| 193 | Rutherford cable made of single-core MgB ₂ wires. <i>Superconductor Science and Technology</i> , 2013 , 26, 125007 | 3.1 | 18 |
| 192 | Properties of doped ex situ MgB ₂ multi-filament superconductors. <i>Superconductor Science and Technology</i> , 2006 , 19, 1076-1082 | 3.1 | 18 |
| 191 | BSCCO/Ag tapes made by a tape-in-rectangular tube process. <i>Superconductor Science and Technology</i> , 2001 , 14, 139-144 | 3.1 | 18 |
| 190 | Influence of the winding geometry on the critical currents and magnetic fields of cylindrical coils made of Bi(2223)Ag anisotropic tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2000 , 10, 478-481 | 1.8 | 18 |
| 189 | . <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-7 | 1.8 | 17 |
| 188 | Experimental study of magnetization AC loss in MgB ₂ wires and cables with non-magnetic sheath. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 495, 182-186 | 1.3 | 17 |
| 187 | Ultra-lightweight superconducting wire based on Mg, B, Ti and Al. <i>Scientific Reports</i> , 2018 , 8, 11229 | 4.9 | 16 |

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| 186 | Magnesium Diboride Wires With Nonmagnetic Matrices AC Loss Measurements and Numerical Calculations. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 3338-3341 | 1.8 | 16 |
| 185 | Cu stabilized MgB ₂ composite wire with an NbTi barrier. <i>Superconductor Science and Technology</i> , 2010 , 23, 025014 | 3.1 | 16 |
| 184 | Progress in electrical and mechanical properties of rectangular MgB ₂ wires. <i>Superconductor Science and Technology</i> , 2009 , 22, 075026 | 3.1 | 16 |
| 183 | Ceramic core density and homogeneity in BSCCO/Ag tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 2098-2101 | 1.8 | 16 |
| 182 | Improvement of current density by texture and anisotropy in thin filament MgB ₂ /Fe tapes. <i>Superconductor Science and Technology</i> , 2006 , 19, 998-1002 | 3.1 | 16 |
| 181 | The effect of hydrostatic extrusion on the J _c (B) characteristic of ex situ MgB ₂ wires. <i>Superconductor Science and Technology</i> , 2005 , 18, 552-556 | 3.1 | 16 |
| 180 | Improvement in core density of BSCCO/Ag tapes by cold isostatic pressing. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 261, 131-136 | 1.3 | 16 |
| 179 | Hot pressing of Bi(Pb)-Sr-Ca-Cu-O superconducting pellets. <i>Superconductor Science and Technology</i> , 1994 , 7, 820-823 | 3.1 | 16 |
| 178 | Advanced MgB ₂ wire made by internal magnesium diffusion process. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 366-369 | 5.7 | 15 |
| 177 | Critical current density and pinning behaviour of mono-core MgB ₂ wires prepared by internal magnesium diffusion and in-situ powder-in-tube method. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 505, 39-43 | 1.3 | 15 |
| 176 | Properties of near- and sub-micrometre Al matrix composites strengthened with nano-scale in-situ Al ₂ O ₃ aimed for low temperature applications. <i>Cryogenics</i> , 2017 , 87, 58-65 | 1.8 | 15 |
| 175 | As-deformed filament J _c density and transport currents of MgB ₂ /Ti/Gludcop wire. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 8783-8787 | 5.7 | 15 |
| 174 | Thermally stabilized MgB ₂ composite wires with different barriers. <i>Cryogenics</i> , 2011 , 51, 550-554 | 1.8 | 15 |
| 173 | Anisotropy of the critical current in MgB ₂ tapes made of high energy milled precursor powder. <i>Superconductor Science and Technology</i> , 2010 , 23, 065011 | 3.1 | 15 |
| 172 | Effect of C and SiC additions into in situ or mechanically alloyed MgB ₂ deformed in Ti sheath. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 827-831 | 1.3 | 15 |
| 171 | The effect of shape and deformation in ex situ MgB ₂ /Fe composite wires. <i>Superconductor Science and Technology</i> , 2005 , 18, 615-622 | 3.1 | 15 |
| 170 | Large-scale high-resolution scanning Hall probe microscope used for MgB ₂ filament characterization. <i>Superconductor Science and Technology</i> , 2005 , 18, 417-421 | 3.1 | 15 |
| 169 | Mathematical model of voltage-current characteristics of Bi(2223)/Ag magnets under an external magnetic field. <i>Superconductor Science and Technology</i> , 2002 , 15, 1499-1506 | 3.1 | 15 |

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| 168 | Electrical and mechanical properties of Bi-2223/Ag/barrier/Ag composite tapes. <i>Superconductor Science and Technology</i> , 2000 , 13, 378-384 | 3.1 | 15 |
| 167 | Critical currents of Rutherford MgB2cables compacted by two-axial rolling. <i>Superconductor Science and Technology</i> , 2017 , 30, 015002 | 3.1 | 14 |
| 166 | High density and connectivity of a MgB2filament made using the internal magnesium diffusion technique. <i>Superconductor Science and Technology</i> , 2016 , 29, 035004 | 3.1 | 14 |
| 165 | Critical currents in weakly textured MgB2: Nonlinear transport in anisotropic heterogeneous media. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 14 |
| 164 | Transport I measurement technique with non-soldered contacts for Ag-sheathed high T superconductors. <i>Cryogenics</i> , 1997 , 37, 177-178 | 1.8 | 14 |
| 163 | Calculation of the critical currents of Bi(2223)/Ag tapes and coils with reduced anisotropy in Ic(B) characteristic [effect of different proportional representations of the filaments oriented parallel and perpendicularly to the tape surface. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 330, 130-140 | 1.3 | 14 |
| 162 | Stereoselective syntheses of a di-, tri-, and tetra-saccharide fragment of Shigella dysenteriae type 1 O-antigen using 3,4,6-tri-O-acetyl-2-azido-2-deoxy-alpha-D-glucopyranosyl chloride as a glycosyl donor. <i>Carbohydrate Research</i> , 1992 , 229, 103-16 | 2.9 | 14 |
| 161 | Properties of MgB2 wires made of oxidized powders. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 477, 20-23 | 1.3 | 13 |
| 160 | AC Losses of Copper Stabilized Multifilament YBCO Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 6600604-6600604 | 1.8 | 13 |
| 159 | AC losses and transverse resistivity in filamentary MgB2 tape with Ti barriers. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 389-394 | 1.3 | 13 |
| 158 | Properties of MgB2 superconductor chemically treated by acetic acid. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 331-335 | 1.3 | 13 |
| 157 | Multicore MgB2 wires made by hydrostatic extrusion. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 2356-2360 | 1.3 | 13 |
| 156 | Aspect ratio and temperature effect on the anisotropy in situ MgB2tapes. <i>Superconductor Science and Technology</i> , 2006 , 19, 470-472 | 3.1 | 13 |
| 155 | Tensile properties and probability of filament fracture in Bi-2223 superconducting tapes. <i>Superconductor Science and Technology</i> , 1999 , 12, 1129-1133 | 3.1 | 13 |
| 154 | The roles of CHPD: superior critical current density and n-value obtained in binary in situ MgB2cables. <i>Superconductor Science and Technology</i> , 2014 , 27, 095016 | 3.1 | 12 |
| 153 | Experimental study of the AC magnetization loss in MgB2 superconducting wires at different temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 475, 1-4 | 1.3 | 12 |
| 152 | MgB2cable made from two-axially rolled wires. <i>Superconductor Science and Technology</i> , 2008 , 21, 125003 | 3.1 | 12 |
| 151 | Current sharing and the stability of composite MgB2superconductors. <i>Superconductor Science and Technology</i> , 2008 , 21, 065013 | 3.1 | 12 |

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| 150 | Magnetic hysteresis loss in Bi-2223/Ag tapes with different filament arrangement. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 371, 229-236 | 1.3 | 12 |
| 149 | Ic anisotropy and Ic hysteresis in MgB2/Fe/Cu tape. <i>Superconductor Science and Technology</i> , 2002 , 15, 1037-1039 | 3.1 | 12 |
| 148 | Experimental study of the effect of filament orientation on transport and magnetic ac loss in Bi-2223/Ag multifilamentary tapes. <i>Superconductor Science and Technology</i> , 2000 , 13, 1580-1586 | 3.1 | 12 |
| 147 | Evaluation of core density during the two-axial rolling of BSCCO/Ag composite. <i>Superconductor Science and Technology</i> , 2000 , 13, 385-390 | 3.1 | 12 |
| 146 | Structural and electrical properties of Bi(Pb)?Sr?Ca?Cu?O obtained by hot pressing. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 248, 29-41 | 1.3 | 12 |
| 145 | Microstructure of MgB2 superconducting wire prepared by internal magnesium diffusion process. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 726-732 | 5.7 | 11 |
| 144 | Stability of multi-core MgB2/Ti/Cu/SS wires. <i>Cryogenics</i> , 2011 , 51, 16-20 | 1.8 | 11 |
| 143 | Transport and magnetic critical currents of Cu-stabilized monofilamentary MgB2conductors. <i>Superconductor Science and Technology</i> , 2009 , 22, 015014 | 3.1 | 11 |
| 142 | Structure and current transport mechanisms in Bi(2223)/Ag tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 292, 322-338 | 1.3 | 11 |
| 141 | Applied rolling and sensitivity of Bi(2223)/Ag tapes on degradation by mechanical stress. <i>Superconductor Science and Technology</i> , 1999 , 12, 168-171 | 3.1 | 11 |
| 140 | Critical current recovery in Ag-sheathed Bi(2223) tapes after bending and straightening. <i>Superconductor Science and Technology</i> , 1994 , 7, 583-586 | 3.1 | 11 |
| 139 | The effect of boron powder on the microstructure of MgB2filaments prepared by the modified internal magnesium diffusion technique. <i>Superconductor Science and Technology</i> , 2017 , 30, 055001 | 3.1 | 10 |
| 138 | Study of the potential of three different MgB2tapes for application in cylindrical coils operating at 20 K. <i>Superconductor Science and Technology</i> , 2015 , 28, 055012 | 3.1 | 10 |
| 137 | Structure and properties of barrier-free MgB2 composite wires made by internal magnesium diffusion process. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154543 | 5.7 | 10 |
| 136 | HITEMAL-an outer sheath material for MgB2 superconductor wires: The effect of annealing at 595±55 °C on the microstructure and properties. <i>Materials and Design</i> , 2018 , 157, 12-23 | 8.1 | 10 |
| 135 | Fine-filamentaryin situMgB2wires. <i>Superconductor Science and Technology</i> , 2010 , 23, 105006 | 3.1 | 10 |
| 134 | Relation Between Transverse and Longitudinal Normal Zone Propagation Velocities in Impregnated MgB_2 Windings. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 2403-2406 | 1.8 | 10 |
| 133 | Comparison and analysis of Hall probe scanning, magneto-optical imaging and magnetic knife measurements of Bi-2223/Ag tape. <i>Superconductor Science and Technology</i> , 2005 , 18, 805-812 | 3.1 | 10 |

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| 132 | The design and performance of a Bi-2223/Ag magnet cooled by a single-stage cryocooler. <i>Superconductor Science and Technology</i> , 2005 , 18, 977-984 | 3.1 | 10 |
| 131 | Optimization of winding geometry of Bi(2223)Ag coils with respect to external magnetic field. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 2324-2327 | 1.8 | 10 |
| 130 | Upper limit of the critical currents and magnetic fields of cylindrical coils made of Bi(2223)Ag tapes with reduced -anisotropy. <i>Superconductor Science and Technology</i> , 1999 , 12, 62-68 | 3.1 | 10 |
| 129 | Measuring the homogeneity of Bi(2223)/Ag tapes by four-probe method and a Hall probe array. <i>Superconductor Science and Technology</i> , 1999 , 12, 465-471 | 3.1 | 10 |
| 128 | Electromechanical properties of iron and silver sheathed Sr0.6K0.4Fe2As2tapes. <i>Superconductor Science and Technology</i> , 2015 , 28, 035007 | 3.1 | 9 |
| 127 | Behaviour of filamentary MgB2wires subjected to tensile stress at 4.2 K. <i>Superconductor Science and Technology</i> , 2013 , 26, 105028 | 3.1 | 9 |
| 126 | EDX and ion beam treatment studies of filamentary in situ MgB2 wires with Ti barrier. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7961-7967 | 5.7 | 9 |
| 125 | Effects influencing the grain connectivity in ex-situ MgB2 wires. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 340-344 | 1.3 | 9 |
| 124 | Effect of bending and tension on the voltage-current relation of Bi-2223/Ag. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 401, 241-245 | 1.3 | 9 |
| 123 | Relation between different critical current criteria and quench current in HTS magnets. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 372-376, 1360-1363 | 1.3 | 9 |
| 122 | Energy and critical current considerations of Bi(2223)/Ag coils for micro-superconducting magnetic energy storage: influence of operating temperature and winding geometry within the same overall tape length. <i>Superconductor Science and Technology</i> , 2001 , 14, 173-183 | 3.1 | 9 |
| 121 | A highly efficient preparation of neoglycoconjugate vaccines using subcarriers that bear clustered carbohydrate antigens. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999 , 9, 487-90 | 2.9 | 9 |
| 120 | Ic anisotropy in flattened Nb3Sn superconductors and possible ways for overcoming it. <i>Cryogenics</i> , 1995 , 35, 83-86 | 1.8 | 9 |
| 119 | Microstructure of MgB 2 superconducting wire prepared by internal magnesium diffusion and in-situ powder-in-tube processes [Secondary phase intergrain nanolayers as an oxygen content indicator. <i>Physica C: Superconductivity and Its Applications</i> , 2015 , 516, 1-9 | 1.3 | 8 |
| 118 | High Energy Milled Ex Situ MgB2 as Precursor for Superconducting Tapes Without Critical Current Anisotropy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 2337-2341 | 1.5 | 8 |
| 117 | Comparison of 1D, 2D and 3D quench onset simulations. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 2047-2050 | 1.3 | 8 |
| 116 | Pinning potential, its relativity and dependence on temperature and magnetic field studied on the basis of the I-V characteristics of multifilamentary superconductors. <i>Superconductor Science and Technology</i> , 1996 , 9, 184-191 | 3.1 | 8 |
| 115 | Magnetic field hysteresis of critical currents in Bi(2223)/Ag tapes and a way to overcome it. <i>Cryogenics</i> , 1997 , 37, 823-827 | 1.8 | 8 |

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| 114 | Influence of an axial current density stepping on the critical currents and magnetic field of cylindrical magnets wound with Bi(2223)Ag anisotropic tapes. Theoretical analysis. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 305, 26-34 | 1.3 | 8 |
| 113 | Stabilized in situ rectangular MgB ₂ wires: the effect of B purity and sheath materials. <i>Superconductor Science and Technology</i> , 2008 , 21, 045011 | 3.1 | 8 |
| 112 | Compact Design of Cryogen-Free HTS Magnet for Laboratory Use. <i>IEEE Transactions on Applied Superconductivity</i> , 2006 , 16, 1415-1418 | 1.8 | 8 |
| 111 | Properties of seven-filament in situ MgB ₂ /Fe composite deformed by hydrostatic extrusion, drawing and rolling. <i>Superconductor Science and Technology</i> , 2007 , 20, 607-610 | 3.1 | 8 |
| 110 | The effect of used deformation, metal sheath and heat treatment on the I_c curve of ex situ MgB ₂ composite. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 401, 282-285 | 1.3 | 8 |
| 109 | Transport currents in Bi-2223/Ag tapes made using the tape-in-rectangular tube process, current distribution and I_c stress degradation. <i>Superconductor Science and Technology</i> , 2002 , 15, 624-629 | 3.1 | 8 |
| 108 | Synthesis of glycocluster-containing conjugates for a vaccine against cholera. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 4049-4060 | 3.9 | 7 |
| 107 | Filamentary MgB ₂ Superconductors with Titanium Barriers. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2109-2114 | 1.5 | 7 |
| 106 | Magnetization AC losses in MgB ₂ wires made by IMD process. <i>Superconductor Science and Technology</i> , 2015 , 28, 015013 | 3.1 | 7 |
| 105 | Filamentary MgB ₂ wires twisted before and after heat treatment. <i>Superconductor Science and Technology</i> , 2011 , 24, 115006 | 3.1 | 7 |
| 104 | Low field critical current density of titanium sheathed magnesium diboride wires. <i>Journal of Physics: Conference Series</i> , 2010 , 234, 022029 | 0.3 | 7 |
| 103 | Investigation of texture formation and phase transition in press-, CIP- and roll-sintered Ag-sheathed Bi(2223) tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 1997 , 7, 2090-2093 | 1.8 | 7 |
| 102 | Critical current of an MgB ₂ coil with a ferromagnetic matrix. <i>Superconductor Science and Technology</i> , 2006 , 19, 32-38 | 3.1 | 7 |
| 101 | Filament aspect ratio and transport currents of Bi(2223)/Ag at 77 K. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 349, 179-188 | 1.3 | 7 |
| 100 | Structural inhomogeneity of superconducting ex situ MgB ₂ /Cu wires made by the powder-in-tube technique. <i>Superconductor Science and Technology</i> , 2002 , 15, 1281-1287 | 3.1 | 7 |
| 99 | Current and voltage distribution in composite superconductors with resistive barriers - symmetric case. <i>Superconductor Science and Technology</i> , 2000 , 13, 1450-1460 | 3.1 | 7 |
| 98 | Material for resistive barriers in Bi-2223/Ag tapes. <i>Superconductor Science and Technology</i> , 2001 , 14, 966-972 | 3.1 | 7 |
| 97 | Computational comparison of magnetization losses in HTS solenoids wound of tape conductors having different aspect ratios. <i>Superconductor Science and Technology</i> , 1999 , 12, 450-455 | 3.1 | 7 |

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| 96 | Monolithic multifilamentary Nb ₃ Sn conductor tested in small coils wound after heat treatment. <i>Cryogenics</i> , 1992 , 32, 675-678 | 1.8 | 7 |
| 95 | Fast creation of dense MgB ₂ phase in wires made by IMD process. <i>Superconductor Science and Technology</i> , 2016 , 29, 10LT01 | 3.1 | 7 |
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