

Petriina Paturi

List of Publications by Year in descending order

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202
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all docs

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Manipulating magnetic and magnetoresistive properties by oxygen vacancy complexes in GCMO thin films. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 155804.	0.7	0
2	Strongly Enhanced Growth of High-Temperature Superconducting Films on an Advanced Metallic Template. <i>Crystal Growth and Design</i> , 2022, 22, 2097-2104.	1.4	2
3	Vortex dynamics simulation for pinning structure optimization in the applications of high-temperature superconductors. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 235902.	0.7	2
4	Giant magnetoresistance response in Sr ₂ FeMoO ₆ thin films. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 235902.	3.1	5
5	Roles of electron mean free path and flux pinning in optimizing the critical current in YBCO superconductors. <i>Superconductor Science and Technology</i> , 2022, 35, 065007.	1.8	9
6	Optimized BaZrO ₃ nanorod density in YBa ₂ Cu ₃ O _{6+x} matrix for high field applications. <i>Superconductor Science and Technology</i> , 2022, 35, 075006.	1.8	8
7	Compact Modeling and SPICE Simulation of GCMO-Based Resistive Switching Devices. <i>IEEE Nanotechnology Magazine</i> , 2022, 21, 285-288.	1.1	1
8	Superconducting HfO ₂ -added solution-derived YBa ₂ Cu ₃ O ₇ nanocomposite films: the effect of colloidal nanocrystal shape and crystallinity on pinning mechanism. <i>Superconductor Science and Technology</i> , 2022, 35, 084008.	1.8	3
9	Control of the nanosized defect network in superconducting thin films by target grain size. <i>Scientific Reports</i> , 2021, 11, 6010.	1.6	9
10	Electron Doping Effect in the Resistive Switching Properties of Al/Gd _{1-x} Ca _x MnO ₃ /Au Memristor Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18365-18371.	4.0	7
11	Tuned AFM-FM coupling by the formation of vacancy complex in Gd _{0.6} Ca _{0.4} MnO ₃ thin film lattice. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 255803.	0.7	4
12	Proton irradiation effects on metal-YBCO interfaces. <i>Radiation Physics and Chemistry</i> , 2021, 183, 109404.	1.4	1
13	Detection of X-ray Doses with Color-Changing Hackmanites: Mechanism and Application. <i>Advanced Optical Materials</i> , 2021, 9, 2100762.	3.6	12
14	Exploring the anti-site disorder and oxygen vacancies in Sr ₂ FeMoO ₆ thin films. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 235902.	1.0	9
15	Detection of X-ray Doses with Color-Changing Hackmanites: Mechanism and Application (Advanced) <i>Tj ETQq1</i> 1, 0.784314 rgBT / 3,6	1.0	9
16	Multilayering BZO nanocolumns with different defect densities for YBCO high field applications. <i>New Journal of Physics</i> , 2021, 23, 113031.	1.2	7
17	Metastable ferromagnetic flux closure-type domains in strain relaxed Gd _{0.1} Ca _{0.9} MnO ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 035803.	0.7	2
18	Strain-Induced Domain Structure and Its Impact on Magnetic and Transport Properties of Gd _{0.6} Ca _{0.4} MnO ₃ Thin Films. <i>ACS Omega</i> , 2021, 6, 34572-34579.	1.6	2

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19	Appearance of glassy ferromagnetic behavior in CaMnO_3 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166-149.	1.0	1
20	Refined Sr ₂ FeMoO ₆ interface realized with photoemission and magnetization analysis. <i>Applied Surface Science</i> , 2020, 507, 144435.	3.1	1
21	Modifying the critical current anisotropy of YBCO films via buffering layers on IBAD-MgO based templates. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012037.	0.3	2
22	YBCO-based non-volatile ReRAM tested in Low Earth Orbit. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16389-16397.	1.1	3
23	High Critical Current Density and Enhanced Pinning in Superconducting Films of YBa ₂ Cu ₃ O _{7-δ} Nanocomposites with Embedded BaZrO ₃ , BaHfO ₃ , BaTiO ₃ , and SrZrO ₃ Nanocrystals. <i>ACS Applied Nano Materials</i> , 2020, 3, 5542-5553.	2.4	28
24	Lattice defect induced nanorod growth in YBCO films deposited on an advanced IBAD-MgO template. <i>Superconductor Science and Technology</i> , 2020, 33, 075008.	1.8	7
25	Self-assembled nanorods in YBCO matrix – a computational study of their effects on critical current anisotropy. <i>Scientific Reports</i> , 2020, 10, 3169.	1.6	15
26	Electrical conduction mechanisms of metal / high-T _c superconductor (YBCO) interfaces. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 175001.	0.7	3
27	Metamagnetic transition and spin memory effect in epitaxial GdCuO_3 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 253-258.	1.0	8
28	Hydrodeoxygenation of Isoeugenol over Ni- and Co-Supported Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14545-14560.	3.2	33
29	Enhanced flux pinning isotropy by tuned nanosized defect network in superconducting YBa ₂ Cu ₃ O _{6+x} films. <i>Scientific Reports</i> , 2019, 9, 15425.	1.6	24
30	Role of Columnar Defect Size in Angular Dependent Flux Pinning Properties of YBCO Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.1	22
31	First-principles investigations of the magnetic phase diagram of GdCuO_3 . <i>Physical Review B</i> , 2019, 99, .	1.0	9
32	Improving the Flux Pinning With Artificial BCO Nanodots and Correlated Dislocations in YBCO Films Grown on IBAD-MgO Based Template. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.1	2
33	Transport properties of resistive switching in Ag/Pr _{0.6} Ca _{0.4} MnO ₃ /Al thin film structures. <i>Journal of Alloys and Compounds</i> , 2019, 786, 84-90.	2.8	11
34	Sr ₂ FeMoO ₆ thin films: Effect of gas flow during deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 121-124.	1.0	2
35	Solar UV index and UV dose determination with photochromic hackmanites: from the assessment of the fundamental properties to the device. <i>Materials Horizons</i> , 2018, 5, 569-576.	6.4	28
36	Electrical properties of surface and interface layers of the N- and In-polar undoped and Mg-doped InN layers grown by PA MBE. <i>Applied Physics Letters</i> , 2018, 112, 022104.	1.5	5

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55	Interface defects induced vertical magnetic anisotropy in Sr ₂ FeMoO ₆ thin films. Applied Surface Science, 2017, 422, 682-689.	3.1	7
56	Mechanisms of photoinduced magnetization in Pr _{0.6} Ca _{0.4} MnO ₃ studied above and below charge-ordering transition temperature. Journal of Physics Condensed Matter, 2017, 29, 425802.	0.7	1
57	Enhanced flux pinning in YBCO multilayer films with BCO nanodots and segmented BZO nanorods. Scientific Reports, 2017, 7, 14682.	1.6	23
58	Dynamic mesoscale model of the metamagnetic transition in low-bandwidth perovskite manganites. Physical Review B, 2017, 96, .	1.1	2
59	Optimizing Nanocomposites through Nanocrystal Surface Chemistry: Superconducting YBa ₂ Cu ₃ O ₇ Thin Films via Low-Fluorine Metal Organic Deposition and Preformed Metal Oxide Nanocrystals. Chemistry of Materials, 2017, 29, 6104-6113.	3.2	45
60	Thickness-Dependent Properties of YBCO Films Grown on GZO/CLO-Buffered NiW Substrates. Journal of Low Temperature Physics, 2017, 186, 74-83.	0.6	6
61	Effect of Partial Crystallization on the Structural and Luminescence Properties of Er ³⁺ -Doped Phosphate Glasses. Materials, 2017, 10, 473.	1.3	19
62	Dirty limit scattering behind the decreased anisotropy of doped YBa ₂ Cu ₃ O _{7-δ} thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	0.7	9
63	Comparison of Chemical, Electronic, and Optical Properties of Mg-Doped AlGaN. Journal of Physical Chemistry C, 2016, 120, 28591-28597.	1.5	4
64	Moss bag (Sphagnum papillosum) magnetic and elemental properties for characterising seasonal and spatial variation in urban pollution. International Journal of Environmental Science and Technology, 2016, 13, 1515-1524.	1.8	21
65	Heteronuclear nanoparticles supported hydrotalcites containing Ni(II) and Fe(III) stable photocatalysts for Orange II degradation. Applied Clay Science, 2016, 132-133, 641-649.	2.6	16
66	Magnetic and luminescent properties of vanadium-doped ZnSe crystals. Physica B: Condensed Matter, 2016, 503, 11-17.	1.3	8
67	Toward Versatile Sr ₂ FeMoO ₆ -Based Spintronics by Exploiting Nanoscale Defects. ACS Applied Materials & Interfaces, 2016, 8, 20440-20447.	4.0	30
68	Enhanced Photoluminescence in Acetylene-Treated ZnO Nanorods. Nanoscale Research Letters, 2016, 11, 413.	3.1	6
69	Photo-induced insulator-metal transition in Pr _{0.6} Ca _{0.4} MnO ₃ thin films grown by pulsed laser deposition: Effect of thickness dependent structural and transport properties. Applied Surface Science, 2016, 381, 17-21.	3.1	4
70	Dopant diameter dependence of J _c (B) in doped YBCO films. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	12
71	The low-temperature magnetostructure and magnetic field response of Pr _{0.9} Ca _{0.1} MnO ₃ ; the roles of Pr spins and magnetic phase separation. Journal of Physics Condensed Matter, 2016, 28, 036001.	0.7	7
72	Magneto-optical studies of valence instability in europium and terbium phosphors. Journal of Luminescence, 2016, 170, 701-706.	1.5	5

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73	Perspectives of Bulk and Nanosized II-VI Compounds for Light-Emission Application. IFMBE Proceedings, 2016, , 142-145.	0.2	0
74	Thickness Dependent Properties of Sr ₂ FeMoO ₆ Thin Films Grown on SrTiO ₃ and (LaAlO ₃) _{0.3} (Sr ₂ AlTaO ₆) _{0.7} Substrates. Physics Procedia, 2015, 75, 1011-1021.	1.2	7
75	Epitaxially Textured Pr _{0.6} Ca _{0.4} MnO ₃ Thin Films Under Considerably Low Substrate Temperature. Physics Procedia, 2015, 75, 1122-1132.	1.2	2
76	Defect Induced Enhanced Low Field Magnetoresistance and Photoresponse in Pr _{0.6} Ca _{0.4} MnO ₃ thin Films. Physics Procedia, 2015, 75, 62-69.	1.2	0
77	Anomalous Thermal Expansion in (Pr,Ca)MnO ₃ Due to Orbital Ordering. Physics Procedia, 2015, 75, 475-481.	1.2	6
78	Photoinduced Colossal Magnetoresistance under Substantially Reduced Magnetic Field. Advanced Functional Materials, 2015, 25, 5030-5037.	7.8	15
79	The predominance of substrate induced defects in magnetic properties of Sr _{2-x} FeMoO ₆ thin films. Journal of Physics Condensed Matter, 2015, 27, 386001.	0.7	21
80	The Angular Dependence of the Critical Current of BaCeO_3 Doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	10
81	Melting of the charge-ordered state under substantially lower magnetic field in structurally improved Pr ^{1-x} Ca ^x MnO ₃ thin films. Journal of Magnetism and Magnetic Materials, 2015, 301, 194-202.	1.0	17
82	Influence of SrF ₂ on the Formation, Microstructure and Critical Temperature of (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ Polycrystalline Samples. Journal of Superconductivity and Novel Magnetism, 2015, 28, 25-32.	0.8	1
83	Stronger Photo-Induced Effect in Epitaxial Thin Films of Small-Bandwidth Manganite Pr ^{1-x} Ca ^x MnO ₃ Compared to the Polycrystalline Bulk. Journal of Superconductivity and Novel Magnetism, 2015, 28, 197-201.	0.8	1
84	Oxygen-sintered (Pr,Ca) MnO ₃ : Structure and magnetism at high Ca concentrations. Journal of Alloys and Compounds, 2015, 635, 41-47.	2.8	10
85	Growth Condition Dependence of Microcracks in YBCO Thin Films Pulsed Laser Deposited on Magnetically Defined (001) Substrates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	3
86	Magnetically Defined BaCeO_3 and $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ in BaCeO_3 -Doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Thin Film. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	0
87	Magnetic and luminescent properties of nickel-doped ZnSe crystals. Solid State Sciences, 2015, 50, 74-80.	1.5	6
88	Persistent Luminescence of Tenebrescent Na ₈ Al ₆ Si ₆ O ₂₄ (Cl,S) ₂ : Multifunctional Optical Markers. Inorganic Chemistry, 2015, 54, 7717-7724.	1.9	22
89	Influence of the ytterbium doping technique on the luminescent properties of ZnSe single crystals. Journal of Luminescence, 2015, 158, 236-242.	1.5	6
90	Iron oxide nanocomposite magnets produced by partial reduction of strontium hexaferrite. EPJ Web of Conferences, 2014, 75, 04007.	0.1	3

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91	The Magnetocaloric Performance of (Pr,Ca) Manganites Estimated by Magnetic Transition Entropies. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	3
92	Manufacture of Bi-cuprate thin films on MgO single crystal substrates by chemical solution deposition. Journal of Physics: Conference Series, 2014, 507, 012017.	0.3	0
93	Study of Dynamic Magnetism in Low Bandwidth Manganite $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x = 0.3 - 0.5$) by Ac Susceptibility Measurements. Journal of Low Temperature Physics, 2014, 175, 554-563.	0.6	3
94	Magnetic and luminescent properties of chromium-doped ZnSe crystals. Solid State Sciences, 2014, 38, 49-54.	1.5	7
95	Purification of ZnSe crystals from electrically active background impurities by ytterbium doping. Physica Status Solidi (B): Basic Research, 2014, 251, 1565-1569.	0.7	2
96	Peculiarities of the electrophysical properties of InSb/AlInSb/AlSb heterostructures with a high electron concentration in the two-dimensional channel. Semiconductors, 2014, 48, 338-343.	0.2	0
97	Investigation of the bulk pinning force in YBCO superconducting films with nano-engineered pinning centres. Physica C: Superconductivity and Its Applications, 2014, 503, 89-93.	0.6	16
98	Three ranges of the angular dependence of critical current of BaZrO ₃ doped YBa ₂ Cu ₃ O _{7-δ} thin films grown at different temperatures. Thin Solid Films, 2014, 562, 554-560.	0.8	21
99	Linear and nonlinear ac susceptibilities in polycrystalline low-bandwidth $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x = 0.0 \text{--} 0.3$) manganite. Journal of Physics Condensed Matter, 2014, 26, 266005.	0.7	10
100	The effect of BaCeO ₃ dopant concentration on magnetically defined BiTT and BiC in YBa ₂ Cu ₃ O _{6+x} thin films deposited on SrTiO ₃ substrates. Journal of Physics: Conference Series, 2014, 507, 012020.	0.3	2
101	The effect of BZO dopant concentration on magnetically obtained BiTT and BiC in YBCO thin films deposited on STO substrates. Journal of Physics: Conference Series, 2014, 507, 012040.	0.3	2
102	The dependence of resistivity measured BiTT and BiC on BaZrO ₃ concentration in YBa ₂ Cu ₃ O _{6+x} thin films. Journal of Physics: Conference Series, 2014, 507, 012030.	0.3	2
103	Crystal asymmetry and low-angle grain boundary governed persistent photoinduced magnetization in small bandwidth manganites. Journal of Applied Physics, 2013, 113, .	1.1	18
104	Structural and Superconducting Properties of Laser-Deposited (110)-Oriented $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Thin Films After In Situ Annealing. IEEE Transactions on Applied Superconductivity, 2013, 23, 7200304-7200304.	1.1	0
105	Effect of strain and grain boundaries on dielectric properties in La _{0.7} Sr _{0.3} MnO ₃ thin films. Journal of Materials Science, 2013, 48, 2115-2122.	1.7	16
106	The Growth Rate and Temperature Induced Microcracks in YBCO Films Pulsed Laser Deposited on MgO Substrates. IEEE Transactions on Applied Superconductivity, 2013, 23, 7200104-7200104.	1.1	4
107	The effect of oxygen on the Jahn-Teller distortion and magnetization dynamics of $\text{Pr}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ thin films. Journal of Physics Condensed Matter, 2013, 25, 066005.	0.7	8
108	Luminescent properties of the ZnSe:Yb crystals in the visible spectral range. Journal of Luminescence, 2013, 143, 275-279.	1.5	15

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109	Heptacoordinated Molybdenum(VI) Complexes of Phenylenediamine Bis(phenolate): A Stable Molybdenum Amidophenoxide Radical. <i>Inorganic Chemistry</i> , 2013, 52, 5714-5721.	1.9	26
110	Optimization of Pr _{0.9} Ca _{0.1} MnO ₃ thin films with varying in-situ oxygen annealing treatments. <i>EPJ Web of Conferences</i> , 2013, 40, 15011.	0.1	3
111	Comparative Study of Persistent Photo-Induced Magnetization in Low and Intermediate Bandwidth Manganite Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1455-1459.	0.8	2
112	Ferromagnetism induced in ZnO nanorods by morphology changes under a nitrogen-carbon atmosphere. <i>RSC Advances</i> , 2013, 3, 12945.	1.7	9
113	Electron mass anisotropy of BaZrO ₃ -doped YBCO thin films in pulsed magnetic fields up to 30 T. <i>Superconductor Science and Technology</i> , 2013, 26, 045003.	1.8	31
114	Giant vortex states in type I superconductors simulated by Ginzburg-Landau equations. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 385702.	0.7	5
115	The Effect of BaZrO ₃ Nanorods on the Normal State Properties and on the Anomaly in the Even Transverse Resistivity in YBCO Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 7200705-7200705.	1.1	2
116	Absence of spontaneous magnetism associated with a possible time-reversal symmetry breaking state beneath the surface of (110)-oriented YBa ₂ Cu ₃ O _{7-δ} superconducting films. <i>Physical Review B</i> , 2013, 88, .	1.1	13
117	Influence of chromium interaction with native and impurity defects on optical and luminescence properties of ZnSe:Cr crystals. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	14
118	Effects of conjugated polymer on the magnetotransport properties in La _{0.7} Sr _{0.3} MnO ₃ ferromagnetic electrodes. <i>AIP Advances</i> , 2013, 3, 042102.	0.6	4
119	Photoluminescent properties of the ZnSe:Yb crystals in the excitonic region. , 2013, , .		0
120	Analysis of electronic structure and its effect on magnetic properties in (001) and (110) oriented La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 376003.	0.7	13
121	The effect of film thickness on the magnetic and magneto-transport properties of Sr ₂ FeMoO ₆ thin films. <i>EPJ Web of Conferences</i> , 2013, 40, 15012.	0.1	12
122	Absence of traditional magnetoresistivity mechanisms in Sr ₂ FeMoO ₆ thin films grown on SrTiO ₃ , MgO and NdGaO ₃ substrates. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 365003. critical current density in YBa	0.7	25
123	critical current density in YBa	1.1	16
124	Irreversible metamagnetic transition and magnetic memory in small-bandwidth manganite Pr _{1-x} Ca _x MnO ₃ ($x = 0.0-0.5$). <i>Journal of Physics Condensed Matter</i> , 2012, 24, 216002.	0.7	60
125	Stress and defect induced enhanced low field magnetoresistance and dielectric constant in La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2012, 512, 332-339.	2.8	31
126	Magnetic Field Dependent Photoinduced Superconductivity and Its Oxygen-Deficient Dependency in Undoped and BZO-doped YBCO Thin Films. <i>Physics Procedia</i> , 2012, 36, 503-507.	1.2	2

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127	Properties of Pr-and BZO-doped YBCO Multilayers. <i>Physics Procedia</i> , 2012, 36, 661-664.	1.2	3
128	Evolution of structural and magnetic properties with varying oxygen content in low-bandwidth manganite $\text{Pr}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ thin films. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 206002.	0.7	13
129	Effect of ex situ Post-annealing Treatments on $\text{Sr}_2\text{FeMoO}_6$ Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 829-833.	0.8	8
130	The effect of BZO doping concentration and thickness dependent properties of YBCO films grown by PLD on buffered NiW substrates. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 472, 66-74.	0.6	16
131	Aging Effect in Differently Coated BaZrO_3 -Doped GdBaCuO Thin Films Deposited From a Nanograined Target. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2737-2740.	1.1	1
132	Optimization of the BaCeO_3 Concentration in YBCO Films Prepared by Pulsed Laser Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2762-2766.	1.1	17
133	Synergetic Pinning Centers in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films Through a Combination of Ag Nano-Dot Substrate Decoration, Ag/YBCO Quasi-Multilayers, and the Use of BaZrO_3 -Doped Target. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 3184-3188.	1.1	15
134	Optimization of $\text{Pr}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ thin films and observation of coexisting spin-glass and ferromagnetic phases at low temperature. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 386005.	0.7	23
135	Optimal BZO Doping in YBCO Films Grown on Single Crystal STO and Buffered NiW Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2753-2757.	1.1	15
136	Magnetic field protects plants against high light by slowing down production of singlet oxygen. <i>Physiologia Plantarum</i> , 2011, 142, 26-34.	2.6	31
137	Optimization of deposition temperature and atmosphere for pulsed laser deposited $\text{Sr}_2\text{FeMoO}_6$ thin films. <i>Thin Solid Films</i> , 2011, 519, 8047-8052.	0.8	19
138	Thickness dependence of microcrack formation in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ thin films on NdGaO_3 (001) substrates. <i>Thin Solid Films</i> , 2011, 519, 8058-8062.	0.8	2
139	Combination of Ag Substrate Decoration with Introduction of BaZrO_3 Nano-Inclusions for Enhancing Critical Current Density of $\text{YBa}_2\text{Cu}_3\text{O}_7$ Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 505-509.	0.8	2
140	Magnetic properties and structural characterization of iron oxide nanoparticles formed by <i>Streptococcus suis</i> Dpr and four mutants. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 799-807.	1.1	12
141	Detection of metallic In nanoparticles in InGaN alloys. <i>Applied Physics Letters</i> , 2011, 99, 072107.	1.5	3
142	Increased grain boundary critical current density J_{cgb} by Pr-doping in pulsed laser deposited $\text{Y}_{1-x}\text{Pr}_x\text{BCO}$ thin films. <i>Journal of Applied Physics</i> , 2011, 110, 113905.	1.1	2
143	Persistent photoinduced magnetization in the coexisting spin-glass and ferromagnetic phases of $\text{Pr}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ thin film. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 466002.	0.7	10
144	An aging effect and its origin in GdBCO thin films. <i>Journal of Physics: Conference Series</i> , 2010, 234, 012036.	0.3	10

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145	Artificial pinning in thick YBCO films: Pinning potential and c-axis correlation. Physica C: Superconductivity and Its Applications, 2010, 470, 840-843.	0.6	3
146	Growth and BZO-doping of the nanostructured YBCO thin films on buffered metal substrates. Physica C: Superconductivity and Its Applications, 2010, 470, S1013-S1015.	0.6	6
147	Integrated nanotechnology of pinning centers in YBa ₂ Cu ₃ O _x films. Superconductor Science and Technology, 2010, 23, 125007.	1.8	23
148	The vortex path model and angular dependence of J_c in thin YBCO films deposited from undoped and BaZrO ₃ -doped targets. Superconductor Science and Technology, 2010, 23, 025030.	1.8	21
149	Reduced intrinsic and strengthened columnar pinning of undoped and 4 wt% BaZrO ₃ -doped GdBa ₂ Cu ₃ O _{7-δ} thin films: a comparative resistivity study near T_c . Superconductor Science and Technology, 2010, 23, 055010.	1.8	6
150	Large magnetoresistance effect in InN epilayers. Physical Review B, 2010, 82, .	1.1	8
151	Self-assembled artificial pinning centres in thick YBCO superconducting films. Journal of Physics: Conference Series, 2010, 234, 022022.	0.3	12
152	Influence of BaZrO ₃ dopant concentration on properties of YBa ₂ Cu ₃ O _{6+x} films in magnetic fields up to 30 T. Journal of Applied Physics, 2010, 107, 053906.	1.1	16
153	Structural and Superconducting Properties of Undoped and BZO-doped GdBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2009, 19, 3407-3411.	1.1	11
154	Defining B_{c2} , B_{ast} and B_{ϕ} for YBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2009, 19, 3431-3434.	1.1	9
155	Effect of $[m \text{ BaZrO}_3]$ Dopants in (110)-Oriented $[m \text{ YBa}_2[m \text{ Cu}]_3[m \text{ O}]_{6+x}]$ Thin Films. IEEE Transactions on Applied Superconductivity, 2009, 19, 3412-3415.	1.1	1
156	Growth and c-axis flux pinning of nanostructured YBCO/BZO multilayers. Superconductor Science and Technology, 2009, 22, 075019.	1.8	31
157	Magnetic field dependence of the optimal BaZrO ₃ concentration in nanostructured YBa ₂ Cu ₃ O _{7-δ} films. Superconductor Science and Technology, 2009, 22, 065006.	1.8	18
158	Phonon echo in superconducting MgB ₂ . Europhysics Letters, 2009, 85, 67001.	0.7	2
159	Critical current density and pinning potential in YBa ₂ Cu ₃ O _{7-δ} thick films ablated from a BaZrO ₃ -doped nanocrystalline target. Superconductor Science and Technology, 2009, 22, 045014.	1.8	20
160	Modeling flux pinning in thin undoped and BaZrO ₃ -doped YBCO films. Journal of Applied Physics, 2009, 105, .	1.1	29
161	Hall effect and pinning regimes in $YBa_2Cu_3O_{7-\delta}$ thin films. Physica C: Superconductivity and Its Applications, 2009, 469, 1983-1986.	0.6	3
162	Pure and fully texturized Sr ₂ FeMoO ₆ thin films prepared by pulsed laser deposition from target made with citrate-gel method. Thin Solid Films, 2009, 517, 5793-5797.	0.8	14

#	ARTICLE	IF	CITATIONS
163	Effect of target density on YBCO thin films deposited from nanograined targets. Physica C: Superconductivity and Its Applications, 2009, 469, 839-842.	0.6	8
164	Persistent photoinduced magnetization and oxygen non-stoichiometry in $\text{La}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ films. Journal of Physics Condensed Matter, 2009, 21, 266001.	0.7	7
165	Optimization of the Pr concentration in $\text{Y}_{1-x}\text{Pr}_x\text{BCO}$ films prepared by pulsed laser deposition. Journal of Physics: Conference Series, 2009, 153, 012014.	0.3	2
166	Anisotropic pinning defects in BaZrO_3 -doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ films in high magnetic fields. Physica C: Superconductivity and Its Applications, 2008, 468, 889-893.	0.6	9
167	Greatly decreased critical current density anisotropy in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ thin films ablated from nanocrystalline and BaZrO_3 -doped nanocrystalline targets. Journal of Applied Physics, 2008, 103, 123907.	1.1	29
168	Superconducting Properties of Films Deposited From Micro-, Nanocrystalline and Optimally BZO-Doped YBCO Targets. IEEE Transactions on Applied Superconductivity, 2007, 17, 3620-3623.	1.1	8
169	Effects of nanocrystalline target and columnar defects on flux pinning in pure and BaZrO_3 -doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ films in fields up to 30T. Physical Review B, 2007, 75, .	1.1	54
170	Structural Properties of YBCO Thin Films Deposited From Different Kinds of Targets. IEEE Transactions on Applied Superconductivity, 2007, 17, 3608-3611.	1.1	42
171	Magnetic properties of fine SFMO particles: Superparamagnetism. Journal of Magnetism and Magnetic Materials, 2007, 309, 278-284.	1.0	39
172	Nanocrystalline $\text{Sr}_2\text{FeMoO}_6$ prepared by citrate-gel method. Journal of Physics and Chemistry of Solids, 2006, 67, 1712-1718.	1.9	32
173	Optimization of the BaZrO_3 concentration in YBCO films prepared by pulsed laser deposition. Superconductor Science and Technology, 2006, 19, 767-771.	1.8	110
174	Magnetic field dependence of the critical current and the flux pinning mechanism in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ films doped with BaZrO_3 . Physical Review B, 2006, 73, .	1.1	23
175	Dependence of critical current density on crystalline direction in thin YBCO films. Physica C: Superconductivity and Its Applications, 2005, 433, 123-131.	0.6	6
176	Magnetic relaxation and flux pinning in YBCO films prepared by PLD from a nanocrystalline target. Superconductor Science and Technology, 2005, 18, 628-633.	1.8	35
177	Taking the horizontal fields intrinsically into account in magneto-optical microscopy. Review of Scientific Instruments, 2005, 76, 093908.	0.6	6
178	YBCO Films Prepared by PLD Using Nanocrystalline Targets Doped With BaZrO_3 or Y_2O_3 . IEEE Transactions on Applied Superconductivity, 2005, 15, 3050-3053.	1.1	22
179	Crystalline orientation and twin formation in YBCO thin films laser ablated from a nanocrystalline target. Superconductor Science and Technology, 2004, 17, 564-570.	1.8	29
180	High pinning potential in YBCO thin films deposited from a target prepared from YBCO nanopowder. Physica C: Superconductivity and Its Applications, 2004, 408-410, 647-648.	0.6	1

#	ARTICLE	IF	CITATIONS
181	Texture of YBCO/Ag PIT-tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 935-936.	0.6	0
182	BixY3 $\hat{\sim}$ xFe5O12 thin films prepared by laser ablation for magneto-optical imaging of superconducting thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 279, 218-223.	1.0	23
183	Conductivity and distribution of charge on electroluminescent Si/SiO2 structures investigated by electrostatic force microscopy. <i>Applied Surface Science</i> , 2004, 222, 131-137.	3.1	3
184	Influence of sequential etching on YBCO films deposited by PLD from a nanostructured target. <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 2777-2780.	1.1	3
185	Image correction in magneto-optical microscopy. <i>Review of Scientific Instruments</i> , 2003, 74, 2999-3001.	0.6	11
186	Weak links in YBCO nanopowder. <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 3133-3135.	1.1	7
187	Size-dependent properties of YBa2Cu3O6 $\hat{\sim}$ nanopowder. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2103-2114.	0.7	7
188	Laser deposition of thin films from La0.7Ca0.3MnO3 targets prepared by sol $\hat{\sim}$ gel and solid-state methods. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 7165-7176.	0.7	4
189	Preparation of superconducting YBa2Cu3O7 $\hat{\sim}$ nanopowder by deoxydation in Ar before final oxygenation. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 371, 90-96.	0.6	56
190	Preparing superconducting nanopowder based YBCO/Ag tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 372-376, 779-781.	0.6	7
191	Uniform size Y-Ba-Cu-O particles obtained by laser ablation and post-annealing. <i>IEEE Transactions on Applied Superconductivity</i> , 2001, 11, 3449-3452.	1.1	3
192	Laser deposition from a nanostructured YBaCuO target: Analysis of the plume and growth kinetics of particles on SrTiO3. <i>Journal of Applied Physics</i> , 2001, 90, 1521-1528.	1.1	37
193	Field-modulated microwave absorption in thin YBaCuO films. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 949-950.	1.3	0
194	YBCO nanopowder: novel material for PLD preparation of thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2377-2378.	0.6	3
195	Reason for high critical current in thin YBCO films prepared by laser ablation from nanostructured target. <i>Superconductor Science and Technology</i> , 2000, 13, 622-628.	1.8	14
196	Effect of post-annealing on thin YBCO films deposited from a nanocrystalline target. <i>Journal of Low Temperature Physics</i> , 1999, 117, 795-799.	0.6	2
197	Laser deposition of thin superconducting films from a nanocrystalline target. <i>Superconductor Science and Technology</i> , 1999, 12, 81-86.	1.8	37
198	Inexpensive substrate heater for oxidizing environments. <i>Review of Scientific Instruments</i> , 1998, 69, 3945-3947.	0.6	9

#	ARTICLE	IF	CITATIONS
199	Preparation of one to three unit cell thick powders and investigation of their magnetic and microwave properties. Superconductor Science and Technology, 1997, 10, 818-824.	1.8	30
200	New memory effects detected in field-modulated microwave absorption of magnetized YBa ₂ Cu ₃ O _{7-δ} powders. Solid State Communications, 1997, 103, 559-562.	0.9	1
201	Temperature dependence of remanent magnetization in demagnetized YBaCuO. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1309-1310.	1.0	1
202	Kinetics of flux in magnetized and demagnetized YBaCuO. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2881-2882.	0.6	0