Petriina Paturi

List of Publications by Year in descending order

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202	2,407	236612	360668
papers	citations	25 h-index	35 g-index

204	204	204	2006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization of the BaZrO3concentration in YBCO films prepared by pulsed laser deposition. Superconductor Science and Technology, 2006, 19, 767-771.	1.8	110
2	Irreversible metamagnetic transition and magnetic memory in small-bandwidth manganite Pr_{1â^'x}Ca_xMnO₃(x= 0.0â€“0.5). Journal of Physics Condensed Matter, 2012, 24, 216002.	0.7	60
3	Preparation of superconducting YBa2Cu3O7â^'Î´ nanopowder by deoxydation in Ar before final oxygenation. Physica C: Superconductivity and Its Applications, 2002, 371, 90-96.	0.6	56
4	Effects of nanocrystalline target and columnar defects on flux pinning in pure andBaZrO3-dopedYBa2Cu3O6+xfilms in fields up to30T. Physical Review B, 2007, 75, .	1.1	54
5	Optimizing Nanocomposites through Nanocrystal Surface Chemistry: Superconducting YBa₂Cu₃O₇ Thin Films via Low-Fluorine Metal Organic Deposition and Preformed Metal Oxide Nanocrystals. Chemistry of Materials, 2017, 29, 6104-6113.	3.2	45
6	Structural Properties of YBCO Thin Films Deposited From Different Kinds of Targets. IEEE Transactions on Applied Superconductivity, 2007, 17, 3608-3611.	1.1	42
7	Magnetic properties of fine SFMO particles: Superparamagnetism. Journal of Magnetism and Magnetic Materials, 2007, 309, 278-284.	1.0	39
8	Catalytic dehydrogenation of ethanol into acetaldehyde and isobutanol using mono- and multicomponent copper catalysts. Comptes Rendus Chimie, 2018, 21, 194-209.	0.2	39
9	Laser deposition of thin superconducting films from a nanocrystalline target. Superconductor Science and Technology, 1999, 12, 81-86.	1.8	37
10	Laser deposition from a nanostructured YBaCuO target: Analysis of the plume and growth kinetics of particles on SrTiO3. Journal of Applied Physics, 2001, 90, 1521-1528.	1.1	37
11	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
12	Hydrodeoxygenation of Isoeugenol over Ni- and Co-Supported Catalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 14545-14560.	3.2	33
13	Nanocrystalline Sr2FeMoO6 prepared by citrate-gel method. Journal of Physics and Chemistry of Solids, 2006, 67, 1712-1718.	1.9	32
14	Growth andc-axis flux pinning of nanostructured YBCO/BZO multilayers. Superconductor Science and Technology, 2009, 22, 075019.	1.8	31
15	Magnetic field protects plants against high light by slowing down production of singlet oxygen. Physiologia Plantarum, 2011, 142, 26-34.	2.6	31
16	Stress and defect induced enhanced low field magnetoresistance and dielectric constant in La0.7Sr0.3MnO3 thin films. Journal of Alloys and Compounds, 2012, 512, 332-339.	2.8	31
17	Electron mass anisotropy of BaZrO₃doped YBCO thin films in pulsed magnetic fields up to 30 T. Superconductor Science and Technology, 2013, 26, 045003.	1.8	31
18	Hydrodeoxygenation of Isoeugenol over Alumina-Supported Ir, Pt, and Re Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 16205-16218.	3.2	31

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19	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
20	Toward Versatile Sr₂FeMoO₆-Based Spintronics by Exploiting Nanoscale Defects. ACS Applied Materials & Interfaces, 2016, 8, 20440-20447.	4.0	30
21	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
22	Greatly decreased critical current density anisotropy in YBa2Cu3O6+x thin films ablated from nanocrystalline and BaZrO3-doped nanocrystalline targets. Journal of Applied Physics, 2008, 103, 123907.	1.1	29
23	Modeling flux pinning in thin undoped and BaZrO3-doped YBCO films. Journal of Applied Physics, 2009, 105, .	1.1	29
24	Solar UV index and UV dose determination with photochromic hackmanites: from the assessment of the fundamental properties to the device. Materials Horizons, 2018, 5, 569-576.	6.4	28
25	High Critical Current Density and Enhanced Pinning in Superconducting Films of YBa₂Cu₃O_{7â^'Î´} Nanocomposites with Embedded BaZrO₃, BaHfO₃, BaTiO₃, and SrZrO₃ Nanocrystals. ACS Applied Nano Materials, 2020, 3, 5542-5553.	2.4	28
26	Heptacoordinated Molybdenum(VI) Complexes of Phenylenediamine Bis(phenolate): A Stable Molybdenum Amidophenoxide Radical. Inorganic Chemistry, 2013, 52, 5714-5721.	1.9	26
27	Absence of traditional magnetoresistivity mechanisms in Sr₂FeMoO₆thin films grown on SrTiO₃, MgO and NdGaO₃substrates. Journal of Physics Condensed Matter, 2012, 24, 366003.	0.7	25
28	Enhanced flux pinning isotropy by tuned nanosized defect network in superconducting YBa2Cu3O6+x films. Scientific Reports, 2019, 9, 15425.	1.6	24
29	BixY3â^'xFe5O12 thin films prepared by laser ablation for magneto-optical imaging of superconducting thin films. Journal of Magnetism and Magnetic Materials, 2004, 279, 218-223.	1.0	23
30	Magnetic field dependence of the critical current and the flux pinning mechanism inYBa2Cu3O6+xfilms doped withBaZrO3. Physical Review B, 2006, 73, .	1.1	23
31	Integrated nanotechnology of pinning centers in YBa2Cu3Oxfilms. Superconductor Science and Technology, 2010, 23, 125007.	1.8	23
32	Optimization of Pr_{0.9}Ca_{0.1}MnO₃thin films and observation of coexisting spin-glass and ferromagnetic phases at low temperature. Journal of Physics Condensed Matter, 2011, 23, 386005.	0.7	23
33	Enhanced flux pinning in YBCO multilayer films with BCO nanodots and segmented BZO nanorods. Scientific Reports, 2017, 7, 14682.	1.6	23
34	YBCO Films Prepared by PLD Using Nanocrystalline Targets Doped With<tex>$hboxBaZrO_3$</tex>or Y211. IEEE Transactions on Applied Superconductivity, 2005, 15, 3050-3053.	1.1	22
35	Persistent Luminescence of Tenebrescent Na8Al6Si6O24(Cl,S)2: Multifunctional Optical Markers. Inorganic Chemistry, 2015, 54, 7717-7724.	1.9	22
36	Role of Columnar Defect Size in Angular Dependent Flux Pinning Properties of YBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	22

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37	The vortex path model and angular dependence ofJ_cin thin YBCO films deposited from undoped and BaZrO₃-doped targets. Superconductor Science and Technology, 2010, 23, 025030.	1.8	21
38	Three ranges of the angular dependence of critical current of BaZrO3 doped YBa2Cu3O7â˜Î´ thin films grown at different temperatures. Thin Solid Films, 2014, 562, 554-560.	0.8	21
39	The predominance of substrate induced defects in magnetic properties of Sr₂FeMoO₆thin films. Journal of Physics Condensed Matter, 2015, 27, 386001.	0.7	21
40	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
41	Critical current density and pinning potential in YBa₂Cu₃O_{7â˜Î´}thick films ablated from a BaZrO₃-doped nanocrystalline target. Superconductor Science and Technology, 2009, 22, 045014.	1.8	20
42	Pair Distribution Function Analysis of ZrO2 Nanocrystals and Insights in the Formation of ZrO2-YBa2Cu3O7 Nanocomposites. Materials, 2018, 11, 1066.	1.3	20
43	Optimization of deposition temperature and atmosphere for pulsed laser deposited Sr2FeMoO6 thin films. Thin Solid Films, 2011, 519, 8047-8052.	0.8	19
44	Effect of Partial Crystallization on the Structural and Luminescence Properties of Er3+-Doped Phosphate Glasses. Materials, 2017, 10, 473.	1.3	19
45	Magnetic field dependence of the optimal BaZrO₃concentration in nanostructured YBa₂Cu₃O_{7â˜Î´}films. Superconductor Science and Technology, 2009, 22, 065006.	1.8	18
46	Crystal asymmetry and low-angle grain boundary governed persistent photoinduced magnetization in small bandwidth manganites. Journal of Applied Physics, 2013, 113, .	1.1	18
47	Optimization of the ${m BaCeO}_{3}$ Concentration in YBCO Films Prepared by Pulsed Laser Deposition. IEEE Transactions on Applied Superconductivity, 2011, 21, 2762-2766.	1.1	17
48	Melting of the charge-ordered state under substantially lower magnetic field in structurally improved Pr1â˜Ca MnO3 (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307	1.0	17
	thin films. Journal of Magnetism and Magnetic Materials, 2015, 381, 194-202.		
49	Influence of BaZrO3 dopant concentration on properties of YBa2Cu3O6+x films in magnetic fields up to 30 T. Journal of Applied Physics, 2010, 107, 053906.	1.1	16
50	Modeling reduced field dependence of critical current density in YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	16
51	The effect of BZO doping concentration and thickness dependent properties of YBCO films grown by PLD on buffered NiW substrates. Physica C: Superconductivity and Its Applications, 2012, 472, 66-74.	0.6	16
52	Effect of strain and grain boundaries on dielectric properties in La0.7Sr0.3MnO3 thin films. Journal of Materials Science, 2013, 48, 2115-2122.	1.7	16
53	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
54	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

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55	Synergetic Pinning Centers in YBa$_{2}{hbox{Cu}}_{3}{hbox{O}}_{m x}$ Films Through a Combination of Ag Nano-Dot Substrate Decoration, Ag/YBCO Quasi-Multilayers, and the Use of BaZrO$_{3}$-Doped Target. IEEE Transactions on Applied Superconductivity, 2011, 21, 3184-3188.	1.1	15
56	Optimal BZO Doping in YBCO Films Grown on Single Crystal STO and Buffered NiW Substrates. IEEE Transactions on Applied Superconductivity, 2011, 21, 2753-2757.	1.1	15
57	Luminescent properties of the ZnSe:Yb crystals in the visible spectral range. Journal of Luminescence, 2013, 143, 275-279.	1.5	15
58	Photoinduced Colossal Magnetoresistance under Substantially Reduced Magnetic Field. Advanced Functional Materials, 2015, 25, 5030-5037.	7.8	15
59	Electronic and magnetic phase diagram of polycrystalline Gd 1â^'x Ca x MnO 3 manganites. Journal of Alloys and Compounds, 2017, 720, 126-130.	2.8	15
60	Magnetic biomonitoring with moss bags to assess stop-and-go traffic induced particulate matter and heavy metal concentrations. Atmospheric Environment, 2018, 195, 187-195.	1.9	15
61	Angle dependent molecular dynamics simulation of flux pinning in YBCO superconductors with artificial pinning sites. Journal of Physics Condensed Matter, 2018, 30, 315902.	0.7	15
62	Self-assembled nanorods in YBCO matrix â€“ a computational study of their effects on critical current anisotropy. Scientific Reports, 2020, 10, 3169.	1.6	15
63	Reason for high critical current in thin YBCO films prepared by laser ablation from nanostructured target. Superconductor Science and Technology, 2000, 13, 622-628.	1.8	14
64	Pure and fully texturized Sr2FeMoO6 thin films prepared by pulsed laser deposition from target made with citrate-gel method. Thin Solid Films, 2009, 517, 5793-5797.	0.8	14
65	Influence of chromium interaction with native and impurity defects on optical and luminescence properties of ZnSe:Cr crystals. Journal of Applied Physics, 2013, 114, .	1.1	14
66	Evolution of structural and magnetic properties with varying oxygen content in low-bandwidth manganite Pr_{0.9}Ca_{0.1}MnO₃thin films. Journal of Physics Condensed Matter, 2012, 24, 206002.	0.7	13
67	Absence of spontaneous magnetism associated with a possible time-reversal symmetry breaking state beneath the surface of (110)-oriented YBa2Cu3O7â^'Î´superconducting films. Physical Review B, 2013, 88, .	1.1	13
68	Analysis of electronic structure and its effect on magnetic properties in (001) and (110) oriented La0.7Sr0.3MnO3thin films. Journal of Physics Condensed Matter, 2013, 25, 376003.	0.7	13
69	Self-assembled artificial pinning centres in thick YBCO superconducting films. Journal of Physics: Conference Series, 2010, 234, 022022.	0.3	12
70	Magnetic properties and structural characterization of iron oxide nanoparticles formed by Streptococcus suis Dpr and four mutants. Journal of Biological Inorganic Chemistry, 2011, 16, 799-807.	1.1	12
71	The effect of ï¬lm thickness on the magnetic and magneto-transport properties of Sr2FeMoO6thin ï¬lms. EPJ Web of Conferences, 2013, 40, 15012.	0.1	12
72	Dopant diameter dependence of Jc(B) in doped YBCO films. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	12

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73	Improving the surface structure of high quality Sr2FeMoO6 thin films for multilayer structures. Applied Surface Science, 2017, 396, 754-759.	3.1	12
74	Angular and field dependent flux pinning in artificially doped YBCO films on IBAD-MgO based template. Physica C: Superconductivity and Its Applications, 2018, 555, 15-23.	0.6	12
75	Detection of Xâ€Ray Doses with Colorâ€Changing Hackmanites: Mechanism and Application. Advanced Optical Materials, 2021, 9, 2100762.	3.6	12
76	Image correction in magneto-optical microscopy. Review of Scientific Instruments, 2003, 74, 2999-3001.	0.6	11
77	Structural and Superconducting Properties of Undoped and BZO-doped GdBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2009, 19, 3407-3411.	1.1	11
78	Transport properties of resistive switching in Ag/Pr0.6Ca0.4MnO3/Al thin film structures. Journal of Alloys and Compounds, 2019, 786, 84-90.	2.8	11
79	An aging effect and its origin in GdBCO thin films. Journal of Physics: Conference Series, 2010, 234, 012036.	0.3	10
80	Persistent photoinduced magnetization in the coexisting spin-glass and ferromagnetic phases of Pr_{0.9}Ca_{0.1}MnO₃thin film. Journal of Physics Condensed Matter, 2011, 23, 466002.	0.7	10
81	Linear and nonlinear ac susceptibilities in polycrystalline low-bandwidth Pr_{1â^'x}Ca_xMnO₃(x= 0.0 â^' 0.3) manganite. Journal of Physics Condensed Matter, 2014, 26, 266005.	0.7	10
82	The Angular Dependence of the Critical Current of <inline-formula> <tex-math notation="TeX">$hbox{BaCeO}_{3}$</tex-math></inline-formula> Doped <inline-formula> <tex-math notation="TeX">$hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{6+x}$</tex-math></inline-formula> Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	10
83	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
84	Inexpensive substrate heater for oxidizing environments. Review of Scientific Instruments, 1998, 69, 3945-3947.	0.6	9
85	Anisotropic pinning defects in BaZrO3-doped YBa2Cu3O6+x films in high magnetic fields. Physica C: Superconductivity and Its Applications, 2008, 468, 889-893.	0.6	9
86	Defining B_{c}, B^{ast} and B_{phi} for YBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2009, 19, 3431-3434.	1.1	9
87	Ferromagnetism induced in ZnO nanorods by morphology changes under a nitrogenâ€“carbon atmosphere. RSC Advances, 2013, 3, 12945.	1.7	9
88	Dirty limit scattering behind the decreased anisotropy of doped YBa₂Cu₃O_{7â^'Î´}thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	0.7	9
89	An experimental and theoretical study of a heptacoordinated tungsten(VI) complex of a noninnocent phenylenediamine bis(phenolate) ligand. Inorganic Chemistry Communication, 2018, 93, 149-152.	1.8	9
90	First-principles investigations of the magnetic phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2019, 99, .	1.1	9

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91	Control of the nanosized defect network in superconducting thin films by target grain size. Scientific Reports, 2021, 11, 6010.	1.6	9
92	Exploring the anti-site disorder and oxygen vacancies in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e281" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>FeMoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e289" altimg="si8.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msu	1.0	9
93	Roles of electron mean free path and flux pinning in optimizing the critical current in YBCO superconductors. Superconductor Science and Technology, 2022, 35, 065007.	1.8	9
94	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
95	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
96	Large magnetoresistance effect in InN epilayers. Physical Review B, 2010, 82, .	1.1	8
97	Effect of ex situ Post-annealing Treatments on Sr2FeMoO6 Thin Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 829-833.	0.8	8
98	The effect of oxygen on the Jahnâ€“Teller distortion and magnetization dynamics of Pr_{0.9}Ca_{0.1}MnO₃thin films. Journal of Physics Condensed Matter, 2013, 25, 066005.	0.7	8
99	Magnetic and luminescent properties of vanadium-doped ZnSe crystals. Physica B: Condensed Matter, 2016, 503, 11-17.	1.3	8
100	Metamagnetic transition and spin memory effect in epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si28.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Gd</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:r Journal of Magnetism and Magnetic Materials, 2019, 469, 253-258.	1.0	8
101	Optimized BaZrO₃ nanorod density in YBa₂Cu₃O 6+x matrix for high field applications. Superconductor Science and Technology, 2022, 35, 075006.	1.8	8
102	Preparing superconducting nanopowder based YBCO/Ag tapes. Physica C: Superconductivity and Its Applications, 2002, 372-376, 779-781.	0.6	7
103	Weak links in YBCO nanopowder. IEEE Transactions on Applied Superconductivity, 2003, 13, 3133-3135.	1.1	7
104	Size-dependent properties of YBa2Cu3O6Âxnanopowder. Journal of Physics Condensed Matter, 2003, 15, 2103-2114.	0.7	7
105	Persistent photoinduced magnetization and oxygen non-stoichiometry in La_{0.9}Ca_{0.1}MnO₃films. Journal of Physics Condensed Matter, 2009, 21, 266001.	0.7	7
106	Magnetic and luminescent properties of chromium-doped ZnSe crystals. Solid State Sciences, 2014, 38, 49-54.	1.5	7
107	Thickness Dependent Properties of Sr2FeMoO6 Thin Films Grown on SrTiO3 and (LaAlO3)0.3(Sr2AlTaO6)0.7 Substrates. Physics Procedia, 2015, 75, 1011-1021.	1.2	7
108	The low-temperature magnetostructure and magnetic field response of Pr_{0.9}Ca_{0.1}MnO₃: the roles of Pr spins and magnetic phase separation. Journal of Physics Condensed Matter, 2016, 28, 036001.	0.7	7

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109	Deposition of YBCO Thin Films in View of Microwave Applications. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	7
110	Interface defects induced vertical magnetic anisotropy in Sr2FeMoO6 thin films. Applied Surface Science, 2017, 422, 682-689.	3.1	7
111	Improved interface growth and enhanced flux pinning in YBCO films deposited on an advanced IBAD-MgO based template. Physica C: Superconductivity and Its Applications, 2018, 545, 50-57.	0.6	7
112	Appearance of glassy ferromagnetic behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si14.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Gd</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mathvariant="normal">Ca</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mr mathvariant="normal">MnO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:. Journal of Magnetism and Magnetic Materials, 2020, 498, 166149.	1.0	7
113	Lattice defect induced nanorod growth in YBCO films deposited on an advanced IBAD-MgO template. Superconductor Science and Technology, 2020, 33, 075008.	1.8	7
114	Electron Doping Effect in the Resistive Switching Properties of Al/Gd_{1â€“x}Ca_xMnO₃/Au Memristor Devices. ACS Applied Materials & Interfaces, 2021, 13, 18365-18371.	4.0	7
115	Tuning the probability of defect formation via substrate strains in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:m films. Physical Review Materials, 2018, 2, .	2.9	7
116	Multilayering BZO nanocolumns with different defect densities for YBCO high field applications. New Journal of Physics, 2021, 23, 113031.	1.2	7
117	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
118	Taking the horizontal fields intrinsically into account in magneto-optical microscopy. Review of Scientific Instruments, 2005, 76, 093908.	0.6	6
119	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
120	Reduced intrinsic and strengthened columnar pinning of undoped and 4 wt% BaZrO₃-doped GdBa₂Cu₃O_{7 â^' Î´}thin films: a comparative resistivity study nearT_c. Superconductor Science and Technology, 2010, 23, 055010.	1.8	6
121	Anomalous Thermal Expansion in (Pr,Ca)MnO3 Due to Orbital Ordering. Physics Procedia, 2015, 75, 475-481.	1.2	6
122	Magnetic and luminescent properties of nickel-doped ZnSe crystals. Solid State Sciences, 2015, 50, 74-80.	1.5	6
123	Influence of the ytterbium doping technique on the luminescent properties of ZnSe single crystals. Journal of Luminescence, 2015, 158, 236-242.	1.5	6
124	Enhanced Photoluminescence in Acetylene-Treated ZnO Nanorods. Nanoscale Research Letters, 2016, 11, 413.	3.1	6
125	Room temperature charge-ordered phase in Gd0.6Ca0.4MnO3 and Sm0.6Ca0.4MnO3 thin films. Journal of Magnetism and Magnetic Materials, 2017, 432, 164-168.	1.0	6
126	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

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127	Giant vortex states in type I superconductors simulated by Ginzburgâ€“Landau equations. Journal of Physics Condensed Matter, 2013, 25, 385702.	0.7	5
128	Magneto-optical studies of valence instability in europium and terbium phosphors. Journal of Luminescence, 2016, 170, 701-706.	1.5	5
129	Estimates of the magnetocaloric effect in (Nd,Ca)MnO3and (Gd,Ca)MnO3based on magnetic transition entropies. Materials Research Express, 2017, 4, 036101.	0.8	5
130	Electrical properties of surface and interface layers of the N- and In-polar undoped and Mg-doped InN layers grown by PA MBE. Applied Physics Letters, 2018, 112, 022104.	1.5	5
131	Giant magnetoresistance in bonse/si <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e119" altimg="si28.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>FeMoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e127" altimg="si29.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:ms	3.1	5
132	Laser deposition of thin films from La0.7Ca0.3MnO3 targets prepared by sol$ndash$gel and solid-state methods. Journal of Physics Condensed Matter, 2002, 14, 7165-7176.	0.7	4
133	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
134	Effects of conjugated polymer on the magnetotransport properties in La0.7Sr0.3MnO3 ferromagnetic electrodes. AIP Advances, 2013, 3, 042102.	0.6	4
135	Comparison of Chemical, Electronic, and Optical Properties of Mg-Doped AlGaN. Journal of Physical Chemistry C, 2016, 120, 28591-28597.	1.5	4
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