Ruben HÃ¼hne

List of Publications by Year
in descending order

181 papers	4,141 citations	117625 34 h-index	155660 55 g-index
184 all docs	184 docs citations	184 times ranked	3374 citing authors

#	Article	IF	Citations
1	Experimental signatures of the mixed axialâ€“gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	27.8	222
2	Purely antiferromagnetic magnetoelectric random access memory. Nature Communications, 2017, 8, 13985.	12.8	217
3	Formation of nanosized BaIrO3 precipitates and their contribution to flux pinning in Ir-doped YBa2Cu3O7âˆ’Î´ quasi-multilayers. Applied Physics Letters, 2005, 86, 122508.	3.3	113
4	Strong Tc dependence for strained epitaxial Ba(Fe1âˆ’xCox)2As2 thin films. Applied Physics Letters, 2009, 95, .	3.3	106
5	Enhanced flux pinning in YBa2Cu3O7 layers by the formation of nanosized BaHfO3 precipitates using the chemical deposition method. Applied Physics Letters, 2007, 90, 102505.	3.3	104
6	Detailed investigations on La2Zr2O7 buffer layers for YBCO-coated conductors prepared by chemical solution deposition. Acta Materialia, 2007, 55, 517-529.	7.9	95
7	Growth and anisotropy of La(O, F)FeAs thin films deposited by pulsed laser deposition. Superconductor Science and Technology, 2008, 21, 122001.	3.5	82
8	Epitaxial Growth of Superconducting Ba(Fe_{1-x}Co_x)₂As₂Thin Films on Technical Ion Beam Assisted Deposition MgO Substrates. Applied Physics Express, 2011, 4, 013103.	2.4	79
9	Large pinning forces and matching effects in YBa2Cu3O7-Î´ thin films with Ba2Y(Nb/Ta)O6 nano-precipitates. Scientific Reports, 2016, 6, 21188.	3.3	73
10	Scaling behavior of the critical current in clean epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2010, 81, .	3.2	72
11	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	3.3	71
12	An all chemical solution deposition approach for the growth of highly textured CeO2cap layers on La2Zr2O7-buffered long lengths of biaxially textured Niâ€“W substrates for YBCO-coated conductors. Superconductor Science and Technology, 2005, 18, 1385-1390.	3.5	69
13	All chemical YBa₂Cu₃O₇ superconducting multilayers: Critical role of CeO₂ cap layer flatness. Journal of Materials Research, 2009, 24, 1446-1455.	2.6	68
14	Formation and pinning properties of growth-controlled nanoscale precipitates in YBa2Cu3O7âˆ’Î´/transition metal quasi-multilayers. Superconductor Science and Technology, 2006, 19, 534-540.	3.5	63
15	Strain induced superconductivity in the parent compound BaFe2As2. Nature Communications, 2013, 4, 2877.	12.8	59
16	Superconductivity with broken time-reversal symmetry inside a superconducting s-wave state. Nature Physics, 2020, 16, 789-794.	16.7	59
17	Domain structure of epitaxial Co films with perpendicular anisotropy. Physical Review B, 2009, 79, .	3.2	58
18	BaHfO₃artificial pinning centres in TFA-MOD-derived YBCO and GdBCO thin films. Superconductor Science and Technology, 2015, 28, 114002.	3.5	58

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19	Highly textured La2Zr2O7buffer layers for YBCO-coated conductors prepared by chemical solution deposition. Superconductor Science and Technology, 2005, 18, 334-339.	3.5	57
20	Selfâ€Organization of Heteroepitaxial CeO₂ Nanodots Grown from Chemical Solutions. Advanced Materials, 2007, 19, 3937-3942.	21.0	57
21	Aspects of static and dynamic magnetic anisotropy inNi81Fe19â^NiOfilms. Physical Review B, 2007, 75, .	3.2	55
22	Coherent interfacial bonding on the FeAs tetrahedron in Fe/Ba(Fe1â^xCox)2As2 bilayers. Applied Physics Letters, 2010, 97, 022506.	3.3	54
23	Influence of Fe buffer thickness on the crystalline quality and the transport properties of Fe/Ba(Fe1â^xCox)2As2 bilayers. Applied Physics Letters, 2010, 97, 172507.	3.3	51
24	Intrinsic pinning and the critical current scaling of clean epitaxial Fe(Se,Te) thin films. Physical Review B, 2013, 87, .	3.2	51
25	High field superconducting properties of Ba(Fe1â^xCox)2As2 thin films. Scientific Reports, 2015, 5, 17363.	3.3	49
26	Architecture, microstructure andJ_canisotropy of highly oriented biaxially textured Co-doped BaFe₂As₂on Fe/IBAD-MgO-buffered metal tapes. Superconductor Science and Technology, 2012, 25, 084019.	3.5	48
27	Growth of thick chemical solution derived pyrochlore La2Zr2O7 buffer layers for YBa2Cu3O7â^'x coated conductors. Thin Solid Films, 2008, 516, 2099-2108.	1.8	47
28	Versatile fluoride substrates for Fe-based superconducting thin films. Applied Physics Letters, 2013, 102, .	3.3	45
29	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.	6.7	45
30	Fe-based superconducting thin filmsâ€"preparation and tuning of superconducting properties. Superconductor Science and Technology, 2019, 32, 093001.	3.5	42
31	State with spontaneously broken time-reversal symmetry above the superconducting phase transition. Nature Physics, 2021, 17, 1254-1259.	16.7	41
32	Nanostructural control in solution-derived epitaxial Ce_{1â^'x}Gd_xO_{2â^'y}films. Nanotechnology, 2008, 19, 395601.	2.6	40
33	Highly alloyed Niâ€“W substrates for low AC loss applications. Superconductor Science and Technology, 2013, 26, 085024.	3.5	38
34	Artificial pinning centres in YBCO thin films induced by substrate decoration with gas-phase-prepared Y2O3nanoparticles. Superconductor Science and Technology, 2007, 20, S239-S246.	3.5	37
35	Chemical solution deposition of YBa2Cu3O7â^'x coated conductors. Current Opinion in Solid State and Materials Science, 2006, 10, 205-216.	11.5	35
36	Textured Niâ€“9.0 at.% W substrate tapes for YBCO-coated conductors. Superconductor Science and Technology, 2010, 23, 085012.	3.5	35

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37	Nanocolumns in YBa₂Cu₃O_{7 â^’x}BaZrO₃quasi-multilayers: formation and influence on superconducting properties. Superconductor Science and Technology, 2011, 24, 055018.	3.5	35
38	La2Zr2O7 and Ceâ€“Gdâ€“O buffer layers for YBCO coated conductors using chemical solution deposition. Physica C: Superconductivity and Its Applications, 2005, 426-431, 979-984.	1.2	34
39	Thin La2Zr2O7 films made from a water-based solution. Journal of Solid State Chemistry, 2009, 182, 37-42.	2.9	34
40	Structural and magnetotransport properties of YBa2Cu3O7â^Î´â•Y2O3 quasimultilayers. Journal of Applied Physics, 2005, 98, 123906.	2.5	33
41	Preparation of coated conductor architectures on Ni composite tapes. Superconductor Science and Technology, 2007, 20, 709-714.	3.5	33
42	Textured Niâ€“7.5 at.% W substrate tapes for YBCO-coated conductors. Superconductor Science and Technology, 2008, 21, 105012.	3.5	33
43	Hybrid liquid phase epitaxy processes for YBa2Cu3O7film growth. Superconductor Science and Technology, 2004, 17, 1215-1223.	3.5	32
44	Aqueous CSD approach for the growth of novel, lattice-tuned LaxCe1â^’xOÎ´ epitaxial layers. Journal of Materials Chemistry, 2012, 22, 8476.	6.7	32
45	Preparation of buffer layer architectures for YBa2Cu3O7â^’xcoated conductors based on surface oxidized Ni tapes. Superconductor Science and Technology, 2006, 19, 169-174.	3.5	31
46	Unusually high critical current of clean P-doped BaFe2As2 single crystalline thin film. Applied Physics Letters, 2015, 106, 072602.	3.3	31
47	Hall-plot of the phase diagram for Ba(Fe1â^’xCox)2As2. Scientific Reports, 2016, 6, 28390.	3.3	30
48	Thin biaxially textured TiN films on amorphous substrates prepared by ion-beam assisted pulsed laser deposition. Applied Physics Letters, 2004, 85, 2744-2746.	3.3	29
49	Reversible shift in the superconducting transition for La_{1.85}Sr_{0.15}CuO₄and BaFe_{1.8}Co_{0.2}As₂using piezoelectric substrates. New Journal of Physics, 2010, 12, 103030.	2.9	29
50	Pushing the limits of applicability of REBCO coated conductor films through fine chemical tuning and nanoengineering of inclusions. Nanoscale, 2018, 10, 8187-8195.	5.6	29
51	The influence of the buffer layer architecture on transport properties for BaFe1.8Co0.2As2 films on technical substrates. Applied Physics Letters, 2012, 100, .	3.3	27
52	Monolithically Integrated Microelectromechanical Systems for On-Chip Strain Engineering of Quantum Dots. Nano Letters, 2016, 16, 5785-5791.	9.1	26
53	Surface superconductivity in the Weyl semimetal MoTe ₂ detected by point contact spectroscopy. 2D Materials, 2018, 5, 045014.	4.4	26
54	<inline-formula> <tex-math notation="TeX">$hbox{BaHfO}_{3}$</tex-math> </inline-formula>-Doped Thick <inline-formula> <tex-math notation="TeX">$hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{7-delta} $</tex-math> </inline-formula> Films on Highly Alloyed Textured Ni-W Tapes. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	24

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55	Epitaxial Ni-Mn-Ga-Co thin films on PMN-PT substrates for multicaloric applications. Journal of Applied Physics, 2015, 118, .	2.5	24
56	Formation and destruction of cube texture in MgO films using ion beam assisted pulsed laser deposition. Journal of Applied Physics, 2001, 90, 1035-1039.	2.5	23
57	Optimisation of single La2Zr2O7 buffer layers for YBCO coated conductors prepared by chemical solution deposition. Journal of Crystal Growth, 2008, 310, 4295-4300.	1.5	23
58	Dynamic investigations on the influence of epitaxial strain on the superconducting transition in YBa₂Cu₃O_{7â^'x}. Superconductor Science and Technology, 2008, 21, 075020.	3.5	23
59	Interface control by homoepitaxial growth in pulsed laser deposited iron chalcogenide thin films. Scientific Reports, 2015, 5, 16334.	3.3	23
60	Influence of substrate type on transport properties of superconducting FeSe_{0.5}Te_{0.5}thin films. Superconductor Science and Technology, 2015, 28, 065005.	3.5	23
61	Elongated grains in textured substrate tapes and their effect on transport currents in superconductor layers. Applied Physics Letters, 2007, 90, 012510.	3.3	22
62	Thickness dependence of structural and transport properties of Co-doped BaFe2As2on Fe buffered MgO substrates. Superconductor Science and Technology, 2011, 24, 125009.	3.5	21
63	A study of the parameters influencing the microstructure of thick La2Zr2O7 films. Journal of Crystal Growth, 2011, 325, 68-75.	1.5	20
64	Anisotropy of iron-platinum-arsenide Ca10(PtnAs8)(Fe2â^'xPtxAs2)5 single crystals. Applied Physics Letters, 2015, 107, .	3.3	20
65	Application of textured highly alloyed Niâ€“W tapes for preparing coated conductor architectures. Superconductor Science and Technology, 2010, 23, 034015.	3.5	19
66	High temperature growth kinetics and texture of surface-oxidised NiO for coated superconductor applications. Physica C: Superconductivity and Its Applications, 2003, 385, 337-345.	1.2	18
67	Thin biaxially textured MgO and TiN films prepared by ion-beam assisted pulsed laser deposition for coated conductor applications. Physica C: Superconductivity and Its Applications, 2005, 426-431, 893-898.	1.2	18
68	Thickness effect of La2Zr2O7single buffers on metallic substrates using pulsed laser deposition for YBa2Cu3O7â^'Î´-coated conductors. Superconductor Science and Technology, 2009, 22, 095005.	3.5	18
69	Influence of artificial pinning centers on structural and superconducting properties of thick YBCO films on ABAD-YSZ templates. Superconductor Science and Technology, 2018, 31, 044007.	3.5	18
70	Superconducting properties of Ba(Fe1â€“xNix)2As2 thin films in high magnetic fields. Applied Physics Letters, 2017, 110, .	3.3	17
71	Unveiling the Nucleation and Coarsening Mechanisms of Solution-Derived Self-Assembled Epitaxial Ce_{0.9}Gd_{0.1}O_{2â€“y} Nanostructures. Crystal Growth and Design, 2017, 17, 504-516.	3.0	17
72	Investigation of the growth and stability of (1 0 0)[0 0 1] NiO films grown by thermal oxidation of textured (1 0 0)[0 0 1] Ni tapes for coated conductor applications during oxygen exposure from 700 to 1400 Â°C. Acta Materialia, 2003, 51, 3759-3768.	7.9	16

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73	Improved Pinning in YBCO Based Quasi-Multilayers Prepared by On- and Off-Axis Pulsed Laser Deposition. IEEE Transactions on Applied Superconductivity, 2007, 17, 3733-3736.	1.7	16
74	Metallic seed layers for ion-beam assisted pulsed laser deposition of highly textured transition metal nitride films. Journal Physics D: Applied Physics, 2008, 41, 245404.	2.8	16
75	Structural and pinning properties of Y2Ba4CuMOy(M = Nb,Zr)/YBa2Cu3O7âˆ'Î´quasi-multilayers fabricated by off-axis pulsed laser deposition. Superconductor Science and Technology, 2009, 22, 105004.	3.5	16
76	Feasibility study of the synthesis of YBiO3 thin films by aqueous chemical solution deposition as an alternative for CeO2 buffer layers in coated conductors. Journal of Materials Chemistry A, 2013, 1, 3613.	10.3	16
77	Deposition of Gd2Zr2O7 single buffer layers with different thickness for YBa2Cu3O7âˆ'Î´ coated conductors on metallic substrates. Physica C: Superconductivity and Its Applications, 2010, 470, 543-546.	1.2	15
78	Tilted BaHfO₃nanorod artificial pinning centres in REBCO films on inclined substrate deposited-MgO coated conductor templates. Superconductor Science and Technology, 2017, 30, 055002.	3.5	15
79	Thickness and temperature dependent thermoelectric properties of Bi₈₇Sb₁₃ nanofilms measured with a novel measurement platform. Semiconductor Science and Technology, 2018, 33, 085014.	2.0	15
80	Thick lanthanum zirconate buffer layers from water-based precursor solutions on Ni-5%W substrates. Journal of Solid State Chemistry, 2011, 184, 2887-2896.	2.9	14
81	Growth-controlled precipitates for flux pinning enhancement in YBa2Cu3O7âˆ'Î´ films and coated conductors. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1355-1356.	1.2	13
82	Angular-dependent vortex pinning mechanism in YBa2Cu3O7âˆ'Î´/YSZ quasi-multilayer. Journal of Applied Physics, 2008, 104, 033920.	2.5	13
83	Application of textured IBAD-TiN buffer layers in coated conductor architectures. Superconductor Science and Technology, 2010, 23, 014010.	3.5	13
84	Dynamic variation of biaxial strain in optimally doped and underdoped YBa2Cu3O7âˆ'Î´ thin films. Journal of Applied Physics, 2013, 113, 123907.	2.5	13
85	Thick High <inline-formula> <tex-math notation="LaTeX">$J_mathrm{c} $</tex-math></inline-formula> YBCO Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	13
86	Reduced <inline-formula> <tex-math notation="LaTeX">$J_{mathrm{c}}$</tex-math> </inline-formula> Anisotropy and Enhanced In-Field Performance of Thick BaHfO₃-Doped <inline-formula> <tex-math notation="LaTeX">$ext{YBa}_{2}ext{Cu}_{3}ext{O}_{7-delta}$</tex-math> </inline-formula> Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	13
87	The influence of the in-plane lattice constant on the superconducting transition temperature of FeSe0.7Te0.3 thin films. AIP Advances, 2017, 7, 065015.	1.3	13
88	Universal scaling behavior of the upper critical field in strained FeSe_{0.7}Te_{0.3} thin films. New Journal of Physics, 2018, 20, 093012.	2.9	13
89	Preparation of<tex>$rm MZrO_3 (rm M=rm Ba,rm Sr)$</tex>Buffer Layers on Surface Oxidized Ni/NiO Templates by PLD and MOD. IEEE Transactions on Applied Superconductivity, 2005, 15, 3024-3027.	1.7	12
90	Epitaxial growth of La2Zr2O7 buffer layers for YBa2Cu3O7âˆ'Î´ coated conductors on metallic substrates using pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2009, 469, 288-292.	1.2	12

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91	Preparation of Conductive Buffer Architectures Based on IBAD-TiN. IEEE Transactions on Applied Superconductivity, 2009, 19, 3447-3450.	1.7	12
92	Tailoring Microstructure and Superconducting Properties in Thick BaHfO3 and Ba2 Y(Nb/Ta)O6 Doped YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	12
93	Growth of Biaxial Textured MgO-Layers by Ion-Beam Assisted Pulsed Laser Deposition. Crystal Research and Technology, 2000, 35, 419-425.	1.3	11
94	Mechanism of texture formation in MgO buffer layers using ion-beam assisted laser deposition. Physica C: Superconductivity and Its Applications, 2002, 372-376, 825-827.	1.2	11
95	Ion-beam-assisted deposition of textured NbN thin films. Superconductor Science and Technology, 2010, 23, 025010.	3.5	11
96	Fe/Ba(Fe1â^'xCox)2As2 multilayers and quasi-multilayers with Tc=29K. Physica C: Superconductivity and Its Applications, 2013, 494, 185-188.	1.2	11
97	Controlling the near-surface superfluid density in underdoped YBa2Cu3O6+x by photo-illumination. Scientific Reports, 2014, 4, 6250.	3.3	11
98	Superconducting gaps in FeSe studied by soft point-contact Andreev reflection spectroscopy. Physical Review B, 2017, 96, .	3.2	11
99	In situ measurement of the dynamic yarn path in a turbo ring spinning process based on the superconducting magnetic bearing twisting system. Textile Reseach Journal, 2020, 90, 951-968.	2.2	11
100	Irreversibility field up to 42 T of GdBa₂Cu₃O_{7-Î´}thin films grown by PLD and its dependence on deposition parameters. Superconductor Science and Technology, 2010, 23, 105017.	3.5	10
101	Epitaxial growth of Gd2Zr2O7/Y2O3 buffer layers for YBa2Cu3O7â^'Î´ coated conductors. Physica C: Superconductivity and Its Applications, 2013, 485, 15-19.	1.2	10
102	Thin film deposition based on microacoustic sol atomization (MASA). Journal of Sol-Gel Science and Technology, 2016, 78, 26-33.	2.4	10
103	Local Orientation Variations in YBCO Films on Technical Substrates - A Combined SEM and EBSD Study. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10
104	Design and Validation of Switchable Tracks for Superconducting Levitation Systems. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	10
105	Planar current anisotropy and field dependence of J _c in coated conductors assessed by scanning Hall probe microscopy. Superconductor Science and Technology, 2017, 30, 024004.	3.5	10
106	Influence of the magnet aspect ratio on the dynamic stiffness of a rotating superconducting magnetic bearing. Journal Physics D: Applied Physics, 2020, 53, 035002.	2.8	10
107	Epitaxial growth of Ce2Y2O7 buffer layers for YBa2Cu3O7â^'Î´ coated conductors using reel-to-reel DC reactive sputtering. Physica C: Superconductivity and Its Applications, 2011, 471, 471-475.	1.2	9
108	The effect of 45Â° grain boundaries and associated Fe particles on Jc and resistivity in Ba(Fe0.9Co0.1)2As2 thin films. , 2014, , .		9

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109	Influence of the polarization anisotropy on the electrocaloric effect in epitaxial PMN-PT thin films. Journal of Applied Physics, 2016, 120, .	2.5	9
110	Ba₂Y(Nb/Ta)O₆â€“Doped YBCO Films on Biaxially Textured Niâ€“5at.% W Substrates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	9
111	Superconductivity in Ni-Doped Baâ€“Feâ€“As Thin Films Prepared From Single-Crystal Targets Using PLD. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	9
112	Mathematical Modeling of Dynamic Yarn Path Considering the Balloon Control Ring and Yarn Elasticity in the Ring Spinning Process Based on the Superconducting Bearing Twisting Element. Fibres and Textiles in Eastern Europe, 2018, 26, 32-40.	0.5	9
113	Study of pinning mechanisms in YBCO thin films by means of magnetic force microscopy. Physica C: Superconductivity and Its Applications, 2007, 460-462, 732-733.	1.2	8
114	Ink-jet printing of SrTiO₃buffer layers from aqueous solutions. Superconductor Science and Technology, 2014, 27, 095007.	3.5	8
115	Orientation symmetry breaking in self-assembled Ce_{1â^'x}Gd_xO_{2â^'y}nanowires derived from chemical solutions. RSC Advances, 2016, 6, 97226-97236.	3.6	8
116	Selective mass enhancement close to the quantum critical point in BaFe2(As1â^'x P x)2. Scientific Reports, 2017, 7, 4589.	3.3	8
117	Deposition and properties of Fe(Se,Te) thin films on vicinal CaF₂substrates. Superconductor Science and Technology, 2017, 30, 115008.	3.5	8
118	Grain growth and biaxial texture of chemically deposited La2Zr2O7buffer layers for YBCO-coated conductors. Journal of Physics: Conference Series, 2008, 97, 012108.	0.4	7
119	Growth of strained La1â^'xSrxCoO3 films and multilayers using layer-by-layer growth. Thin Solid Films, 2010, 519, 69-73.	1.8	7
120	Tuning structure in epitaxial Pb(Mg1/3Nb2/3)O3â€“PbTiO3 thin films by using miscut substrates. Thin Solid Films, 2015, 589, 792-797.	1.8	7
121	Influence of Substrate Tilt Angle on the Incorporation of BaHfO3 in Thick YBa2Cu 3O7â€Î´ Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	7
122	Magnetic granularity in pulsed laser deposited YBCO films on technical templates at 5 K. Superconductor Science and Technology, 2017, 30, 104003.	3.5	7
123	Reversible tuning of magnetocaloricÂNi-Mn-Ga-Co films on ferroelectric PMN-PT substrates. Scientific Reports, 2017, 7, 14462.	3.3	7
124	Simulation of Force Generation Above Magnetic Tracks for Superconducting Levitation Systems. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
125	Thick Secondary Phase Pinning-Enhanced YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
126	Electrocaloric temperature changes in epitaxial Ba1â^'xSrxTiO3 films. Journal of Alloys and Compounds, 2022, 891, 162041.	5.5	7

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127	Optical and hidden transport properties of BaFe1.91Ni0.09As2 film. Journal of Physics Condensed Matter, 2021, 33, 045601.	1.8	7
128	YBCO coated conductors prepared by chemical solution deposition: A TEM study. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1407-1408.	1.2	6
129	Structural and ferroelectric properties of epitaxial BaZr_xTi_{1â^'x}O₃thin films. Journal Physics D: Applied Physics, 2016, 49, 495303.	2.8	6
130	Structural and ferroelectric properties of 0.9PMN-0.1PT thin films. Ferroelectrics, 2016, 499, 57-63.	0.6	6
131	Effect of substrate miscut on the microstructure in epitaxial Pb(Mg 1/3 Nb 2/3)O 3 -PbTiO 3 thin films. Materials Characterization, 2017, 129, 234-241.	4.4	6
132	BaZr_xTi_{1â^'x}O₃ Epitaxial Thin Films for Electrocaloric Investigations. Energy Technology, 2018, 6, 1526-1534.	3.8	6
133	Comparative study of Fe(Se,Te) thin films on flexible coated conductor templates and single-crystal substrates. Superconductor Science and Technology, 2021, 34, 115013.	3.5	6
134	Magnetic granularity in PLD-grown Fe(Se,Te) films on simple RABiTS templates. Superconductor Science and Technology, 2022, 35, 074001.	3.5	6
135	Nucleation controlled surface oxidation epitaxy of thermally grown NiO on (001) Ni for coated conductor applications assisted by Mo or Mn microalloying. Physica C: Superconductivity and Its Applications, 2004, 405, 219-226.	1.2	5
136	Tuning functional properties by plastic deformation. New Journal of Physics, 2009, 11, 083013.	2.9	5
137	High-$J_{m c}$ YBCO Coated Conductors Based on IBAD-TiN Using Stainless Steel Substrates. IEEE Transactions on Applied Superconductivity, 2011, 21, 2920-2923.	1.7	5
138	Coated conductor architectures based on IBAD-TiN for high-Jc YBCO films. Physica C: Superconductivity and Its Applications, 2011, 471, 966-969.	1.2	5
139	Pulsed laser deposition of thick BaHfO3-doped YBa2Cu307-Î´films on highly alloyed textured Ni-W tapes. Journal of Physics: Conference Series, 2014, 507, 022032.	0.4	5
140	Pinning Centers in ISD-MgO Coated Conductors via EB-PVD. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	5
141	Magnetotransport properties of Ba(Fe_{1â^'x}Ni_x)₂As₂ thin films grown by PLD method. Materials Research Express, 2018, 5, 126001.	1.6	5
142	Preparation of epitaxial La2â^'xSrxCu04thin films for dynamic investigations of epitaxial strain. Journal of Physics: Conference Series, 2010, 234, 012045.	0.4	4
143	Levitation force measurement on a switchable track for superconducting levitation systems. Superconductor Science and Technology, 2018, 31, 125007.	3.5	4
144	Yanson point-contact spectroscopy of Weyl semimetal WTe ₂. 2D Materials, 2019, 6, 045012.	4.4	4

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145	Manifestation of granularity in the transport current of coated conductors. Superconductor Science and Technology, 2019, 32, 055004.	3.5	4
146	THz electrodynamics of BaFe_{1.91}Ni_{0.09}As₂ film analyzed in the framework of multiband Eliashberg theory. Superconductor Science and Technology, 2020, 33, 075005.	3.5	4
147	Single and binary rare earthREBa2Cu3O7-deltafilms prepared by chemical solution deposition. Journal of Physics: Conference Series, 2008, 97, 012245.	0.4	3
148	T_cOptimisation of GdBa₂Cu₃O₇thin films grown by pulsed laser deposition. Journal of Physics: Conference Series, 2010, 234, 012035.	0.4	3
149	Strain Dependence of Critical Fieldsâ€"Studied on Piezoelectric Substrates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	3
150	Surface Acoustic Wavesâ€"A New Thin-Film Deposition Approach for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	3
151	Structural and Electric Properties of Epitaxial Na0.5Bi0.5TiO3-Based Thin Films. Coatings, 2021, 11, 651.	2.6	3
152	Development of Texture and Microstructure in MgO Buffer Layers Using Ion-Beam Assisted Pulsed Laser Deposition. , 2001, , 239-249.		3
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