Teresa Puig

List of Publications by Year
in descending order

388 papers	9,234 citations	57719 44 h-index	76872 74 g-index
396 all docs	396 docs citations	396 times ranked	6683 citing authors

#	Article	IF	Citations
1	Strong isotropic flux pinning in solution-derived YBa2Cu3O7âˆ’x nanocomposite superconductor films. Nature Materials, 2007, 6, 367-373.	13.3	553
2	Coated conductors for power applications: materials challenges. Superconductor Science and Technology, 2014, 27, 044003.	1.8	309
3	Nanoscale strain-induced pair suppression asÂaÂvortex-pinning mechanism in high-temperature superconductors. Nature Materials, 2012, 11, 329-336.	13.3	298
4	Progress towards all-chemical superconducting YBa2Cu3O7-coated conductors. Superconductor Science and Technology, 2006, 19, S13-S26.	1.8	205
5	Growth, nanostructure and vortex pinning in superconducting YBa₂Cu₃O₇thin films based on trifluoroacetate solutions. Superconductor Science and Technology, 2012, 25, 123001.	1.8	155
6	Vortex pinning in chemical solution nanostructured YBCO films. Superconductor Science and Technology, 2008, 21, 034008.	1.8	123
7	Targeting Breast Cancer Stem Cells to Overcome Treatment Resistance. Molecules, 2018, 23, 2193.	1.7	122
8	Chemical solution deposition: a path towards low cost coated conductors. Superconductor Science and Technology, 2004, 17, 1055-1064.	1.8	121
9	3D-Printed PCL/PLA Composite Stents: Towards a New Solution to Cardiovascular Problems. Materials, 2018, 11, 1679.	1.3	120
10	Fatty acid metabolism in breast cancer cells: differential inhibitory effects of epigallocatechin gallate (EGCG) and C75. Breast Cancer Research and Treatment, 2008, 109, 471-479.	1.1	98
11	The influence of growth conditions on the microstructure and critical currents of TFA-MOD YBa2Cu3O7films. Superconductor Science and Technology, 2005, 18, 1141-1150.	1.8	97
12	Chemical solution route to self-assembled epitaxial oxide nanostructures. Chemical Society Reviews, 2014, 43, 2200.	18.7	86
13	AC susceptibility of grains and matrix for high-Tc superconductors. Physica C: Superconductivity and Its Applications, 1990, 168, 652-667.	0.6	85
14	Novel Inhibitors of Fatty Acid Synthase with Anticancer Activity. Clinical Cancer Research, 2009, 15, 7608-7615.	3.2	85
15	Different fatty acid metabolism effects of (âˆ’)-Epigallocatechin-3-Gallate and C75 in Adenocarcinoma lung cancer. BMC Cancer, 2012, 12, 280.	1.1	82
16	Microstructural influence on critical currents and irreversibility line in melt-texturedYBa2Cu3O7âˆ’xreannealed at high oxygen pressure. Physical Review B, 2002, 65, .	1.1	78
17	Acid anhydrides: a simple route to highly pure organometallic solutions for superconducting films. Superconductor Science and Technology, 2006, 19, 521-527.	1.8	78
18	A novel inhibitor of fatty acid synthase shows activity against HER2+ breast cancer xenografts and is active in anti-HER2 drug-resistant cell lines. Breast Cancer Research, 2011, 13, R131.	2.2	75

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19	Evolution of Metal-Trifluoroacetate Precursors in the Thermal Decomposition toward High-Performance YBa₂Cu₃O₇ Superconducting Films. Chemistry of Materials, 2010, 22, 1686-1694.	3.2	74
20	Smooth Stress Relief of Trifluoroacetate Metal-Organic Solutions for YBa2Cu3O7Film Growth. Chemistry of Materials, 2006, 18, 5897-5906.	3.2	70
21	Facile and efficient one-pot solvothermal and microwave-assisted synthesis of stable colloidal solutions of MFe2O4 spinel magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	70
22	Simultaneous inductive determination of grain and intergrain critical current densities of YBa2Cu3O7â˜x coated conductors. Applied Physics Letters, 2004, 84, 230-232.	1.5	69
23	Growth Mechanism, Microstructure, and Surface Modification of Nanostructured CeO2 Films by Chemical Solution Deposition. Advanced Functional Materials, 2006, 16, 1363-1372.	7.8	69
24	Band Gap Tuning of Solution-Processed Ferroelectric Perovskite BiFe_{1â€“x}Co_xO₃ Thin Films. Chemistry of Materials, 2019, 31, 947-954.	3.2	69
25	All chemical YBa₂Cu₃O₇ superconducting multilayers: Critical role of CeO₂ cap layer flatness. Journal of Materials Research, 2009, 24, 1446-1455.	1.2	68
26	Giant vortex state in perforated aluminum microsquares. Physical Review B, 1999, 60, 4285-4292.	1.1	66
27	Formation of Stripelike Flux Patterns Obtained by Freezing Kinematic Vortices in a Superconducting Pb Film. Physical Review Letters, 2010, 104, 017001.	2.9	66
28	Preclinical Evaluation of Fatty Acid Synthase and EGFR Inhibition in Triple-Negative Breast Cancer. Clinical Cancer Research, 2016, 22, 4687-4697.	3.2	62
29	Electrospinning PCL Scaffolds Manufacture for Three-Dimensional Breast Cancer Cell Culture. Polymers, 2017, 9, 328.	2.0	59
30	Precursor Evolution and Nucleation Mechanism of YBa2Cu3Ox Films by TFA Metalâ˜Organic Decomposition. Chemistry of Materials, 2006, 18, 6211-6219.	3.2	58
31	Directional solidification of (Re = Y, Nd): microstructure and superconducting properties. Superconductor Science and Technology, 1997, 10, 884-890.	1.8	57
32	Selfâ€Organization of Heteroepitaxial CeO₂ Nanodots Grown from Chemical Solutions. Advanced Materials, 2007, 19, 3937-3942.	11.1	57
33	High quality YBa2Cu3O7thin films grown by trifluoroacetates metalorganic deposition. Superconductor Science and Technology, 2003, 16, 45-53.	1.8	56
34	Critical current enhancement in YBCOâ€“Ag melt-textured composites: influence of microcrack density. Physica C: Superconductivity and Its Applications, 2000, 334, 7-14.	0.6	55
35	Superconducting YBa₂Cu₃O_{7â€“Î´} Nanocomposites Using Preformed ZrO₂ Nanocrystals: Growth Mechanisms and Vortex Pinning Properties. Advanced Electronic Materials, 2016, 2, 1600161.	2.6	55
36	Natural Polyphenols and their Synthetic Analogs as Emerging Anticancer Agents. Current Drug Targets, 2016, 18, 147-159.	1.0	55

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37	Anisotropy and strength of vortex pinning centers in YBa2Cu3O7â^'x coated conductors. Applied Physics Letters, 2007, 90, 162514.	1.5	54
38	Hybrid solâ€"gel layers containing CeO2 nanoparticles as UV-protection of plastic lenses for concentrated photovoltaics. Solar Energy Materials and Solar Cells, 2014, 120, 175-182.	3.0	51
39	Epitaxial YBa₂Cu₃O_{7â^'x}nanocomposite thin films from colloidal solutions. Superconductor Science and Technology, 2015, 28, 124007.	1.8	49
40	Dual Fatty Acid Synthase and HER2 Signaling Blockade Shows Marked Antitumor Activity against Breast Cancer Models Resistant to Anti-HER2 Drugs. PLoS ONE, 2015, 10, e0131241.	1.1	48
41	Nucleation and mesostrain influence on percolating critical currents of solution derived YBa2Cu3O7 superconducting thin films. Physica C: Superconductivity and Its Applications, 2012, 482, 58-67.	0.6	47
42	Low Temperature Stabilization of Nanoscale Epitaxial Spinel Ferrite Thin Films by Atomic Layer Deposition. Advanced Functional Materials, 2014, 24, 5368-5374.	7.8	47
43	Diminish electrostatic in piezoresponse force microscopy through longer or ultra-stiff tips. Applied Surface Science, 2018, 439, 577-582.	3.1	47
44	Size-controlled spontaneously segregated Ba₂YTaO₆nanoparticles in YBa₂Cu₃O₇nanocomposites obtained by chemical solution deposition. Superconductor Science and Technology, 2014, 27, 044008.	1.8	46
45	Crossover between Channeling and Pinning at Twin Boundaries inYBa2Cu3O7Thin Films. Physical Review Letters, 2006, 97, 257002.	2.9	45
46	Evolution of yttrium trifluoroacetate during thermal decomposition. Journal of Thermal Analysis and Calorimetry, 2012, 108, 589-596.	2.0	45
47	The loss of vortex line tension sets an upper limit to the irreversibility line in YBa2Cu3O7. Nature Physics, 2006, 2, 402-407.	6.5	44
48	Control of nanostructure and pinning properties in solution deposited YBa2Cu3O7â^'x nanocomposites with preformed perovskite nanoparticles. Scientific Reports, 2019, 9, 5828.	1.6	43
49	Thermal Analysis for Low Temperature Synthesis of Oxide Thin Films from Chemical Solutions. Journal of Physical Chemistry C, 2013, 117, 20133-20138.	1.5	42
50	Solution-derived YBa₂Cu₃O₇nanocomposite films with a Ba₂YTaO₆secondary phase for improved superconducting properties. Superconductor Science and Technology, 2013, 26, 015001.	1.8	42
51	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. Journal of Applied Crystallography, 2014, 47, 414-420.	1.9	42
52	Disentangling vortex pinning landscape in chemical solution deposited superconducting YBa₂Cu₃O_{7â^'x}films and nanocomposites. Superconductor Science and Technology, 2018, 31, 034004.	1.8	42
53	Intermediate phase evolution in YBCO thin films grown by the TFA process. Superconductor Science and Technology, 2010, 23, 014012.	1.8	41
54	Emerging Diluted Ferromagnetism in Highâ€T_c Superconductors Driven by Point Defect Clusters. Advanced Science, 2016, 3, 1500295.	5.6	41

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55	Epigenetic silencing of TGFBI confers resistance to trastuzumab in human breast cancer. Breast Cancer Research, 2019, 21, 79.	2.2	41
56	Nanostructural control in solution-derived epitaxial Ce_{1â^'x}Gd_xO_{2â^'y}films. Nanotechnology, 2008, 19, 395601.	1.3	40
57	Low Temperature Epitaxial Oxide Ultrathin Films and Nanostructures by Atomic Layer Deposition. Chemistry of Materials, 2012, 24, 3732-3737.	3.2	40
58	High pinning performance of YBa₂Cu₃O_{7â^'x}films added with Y₂O₃nanoparticulate defects. Superconductor Science and Technology, 2015, 28, 024002.	1.8	40
59	Solution design for low-fluorine trifluoroacetate route to YBa₂Cu₃O₇films. Superconductor Science and Technology, 2016, 29, 024002.	1.8	40
60	Piezo-generated charge mapping revealed through direct piezoelectric force microscopy. Nature Communications, 2017, 8, 1113.	5.8	40
61	Fatty acid synthase expression and its association with clinico-histopathological features in triple-negative breast cancer. Oncotarget, 2017, 8, 74391-74405.	0.8	40
62	One-pot synthesis of stable colloidal solutions of MFe2O4 nanoparticles using oleylamine as solvent and stabilizer. Materials Research Bulletin, 2013, 48, 966-972.	2.7	39
63	Strain-driven broken twin boundary coherence in YBa2Cu3O7â^Î´ nanocomposite thin films. Applied Physics Letters, 2013, 102, .	1.5	39
64	Ultrafast transient liquid assisted growth of high current density superconducting films. Nature Communications, 2020, 11, 344.	5.8	39
65	Vortex configurations in a Pb/Cu microdot with a2Ã—2antidot cluster. Physical Review B, 1998, 58, 5744-5756.	1.1	38
66	Influence of porosity on the critical currents of trifluoroacetate-MOD YBa/sub 2/Cu/sub 3/O/sub 7/ films. IEEE Transactions on Applied Superconductivity, 2003, 13, 2504-2507.	1.1	38
67	Critical state in finite type-II superconducting rings. Physical Review B, 2005, 71, .	1.1	38
68	Singleâ€Crystalline La_{0.7}Sr_{0.3}MnO₃ Nanowires by Polymerâ€Templateâ€Directed Chemical Solution Synthesis. Advanced Materials, 2008, 20, 3672-3677.	11.1	38
69	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:msub></mml:math>	1.1	38
70	Stable vortex configurations in superconducting 2Ã—2 antidot clusters. Applied Physics Letters, 1997, 70, 3155-3157.	1.5	37
71	Breast Cancer Stem Cell Culture and Enrichment Using Poly(Îµ-Caprolactone) Scaffolds. Molecules, 2016, 21, 537.	1.7	37
72	(â^')-Epigallocatechin 3-Gallate Synthetic Analogues Inhibit Fatty Acid Synthase and Show Anticancer Activity in Triple Negative Breast Cancer. Molecules, 2018, 23, 1160.	1.7	37

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73	The thermal decomposition of barium trifluoroacetate. Thermochimica Acta, 2012, 544, 77-83.	1.2	36
74	Anisotropic Vortex Plasticity in the Liquid State ofYBa2Cu3O7: Evidence for Quenchedc-Axis Vortex Correlation Length. Physical Review Letters, 2000, 84, 1571-1574.	2.9	35
75	Mechanisms of nanostructural and morphological evolution of CeO2functional films by chemical solution deposition. Nanotechnology, 2005, 16, 1809-1813.	1.3	35
76	ABS 3D printed solutions for cryogenic applications. Cryogenics, 2017, 82, 30-37.	0.9	35
77	Vortex liquid entanglement in twinnedYBa2Cu3O7/Y2BaCuO5composite superconductors. Physical Review B, 1999, 60, 13099-13106.	1.1	34
78	Optimization of Flux Pinning in Bulk Melt Textured 1-2-3 Superconductors: Bringing Dislocations under Control. Advanced Materials, 2000, 12, 375-381.	11.1	33
79	Self-seeded YBCO welding induced by Ag additives. Physica C: Superconductivity and Its Applications, 2001, 363, 75-79.	0.6	33
80	Stress-induced spontaneous dewetting of heteroepitaxialYBa2Cu3O7thin films. Physical Review B, 2006, 73, .	1.1	33
81	Spontaneous Outcropping of Selfâ€Assembled Insulating Nanodots in Solutionâ€Derived Metallic Ferromagnetic La_{0.7}Sr_{0.3}MnO₃ Films. Advanced Functional Materials, 2009, 19, 2139-2146.	7.8	33
82	Disentangling Epitaxial Growth Mechanisms of Solution Derived Functional Oxide Thin Films. Advanced Materials Interfaces, 2016, 3, 1600392.	1.9	33
83	Green tea catechin inhibits fatty acid synthase without stimulating carnitine palmitoyltransferase-1 or inducing weight loss in experimental animals. Anticancer Research, 2008, 28, 3671-6.	0.5	32
84	Quench in bulk HTS materials - application to the fault current limiter. Superconductor Science and Technology, 2000, 13, 493-497.	1.8	31
85	Critical state in superconducting single-crystallineYBa2Cu3O7foams: Local versus long-range currents. Physical Review B, 2004, 70, .	1.1	31
86	Simultaneous determination of grain and grain-boundary critical currents inYBa2Cu3O7-coated conductors by magnetic measurements. Physical Review B, 2007, 75, .	1.1	31
87	Isotropic and anisotropic pinning in TFA-grown YBa₂Cu₃O_{7 â^'x}films with BaZrO₃nanoparticles. Superconductor Science and Technology, 2011, 24, 125010.	1.8	31
88	Thermal analysis of metal organic precursors for functional oxide preparation: Thin films versus powders. Thermochimica Acta, 2015, 601, 1-8.	1.2	31
89	Atomically Flat Surface: The Key Issue for Solution-Derived Epitaxial Multilayers. Applied Physics Express, 2008, 1, 121701.	1.1	30
90	Obesity paradox and risk of sudden death in heart failure. American Heart Journal, 2011, 161, 158-164.	1.2	30

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91	Interaction between solution derived BaZrO3 nanodot interfacial templates and YBa2Cu3O7 films leading to enhanced critical currents. Acta Materialia, 2011, 59, 2075-2082.	3.8	30
92	Resistive switching in CeO2/La0.8Sr0.2MnO3 bilayer for non-volatile memory applications. Microelectronic Engineering, 2015, 147, 37-40.	1.1	30
93	DUSP4 is associated with increased resistance against anti-HER2 therapy in breast cancer. Oncotarget, 2017, 8, 77207-77218.	0.8	30
94	High oxygen pressure generation of flux-pinning centers in melt-textured YBa2Cu3O7. Applied Physics Letters, 1999, 75, 1952-1954.	1.5	29
95	Synthesis of nanocrystalline ceria thin films by low-temperature thermal decomposition of Ce-propionate. Thin Solid Films, 2012, 520, 1949-1953.	0.8	29
96	Role of twin boundaries on vortex pinning of CSD YBCO nanocomposites. Superconductor Science and Technology, 2014, 27, 125009.	1.8	29
97	Anisotropic c-axis pinning in interfacial self-assembled nanostructured trifluoracetate-YBa2Cu3O7â^'x films. Applied Physics Letters, 2009, 94, 172513.	1.5	28
98	Nanoscale magnetic structure and properties of solution-derived self-assembled La0.7Sr0.3MnO3 islands. Journal of Applied Physics, 2012, 111, 024307.	1.1	28
99	Flexible manufacturing of functional ceramic coatings by inkjet printing. Thin Solid Films, 2013, 548, 489-497.	0.8	28
100	Ultrafast Epitaxial Growth Kinetics in Functional Oxide Thin Films Grown by Pulsed Laser Annealing of Chemical Solutions. Chemistry of Materials, 2016, 28, 6136-6145.	3.2	28
101	Epigallocatechinâ€3â€gallate treatment reduces thermal hyperalgesia after spinal cord injury by downâ€regulating RhoA expression in mice. European Journal of Pain, 2016, 20, 341-352.	1.4	28
102	Tunable Self-Assembly of YF₃ Nanoparticles by Citrate-Mediated Ionic Bridges. Journal of the American Chemical Society, 2018, 140, 2127-2134.	6.6	28
103	Effects of different sterilization processes on the properties of a novel 3Dâ€printed polycaprolactone stent. Polymers for Advanced Technologies, 2018, 29, 2327-2335.	1.6	28
104	Ultra-fast microwave-assisted reverse microemulsion synthesis of Fe₃O₄@SiO₂ coreâ€“shell nanoparticles as a highly recyclable silver nanoparticle catalytic platform in the reduction of 4-nitroaniline. RSC Advances, 2016, 6, 88762-88769.	1.7	27
105	Epitaxial superconducting GdBa₂Cu₃O_{7â^'Î´}/Gd₂O₃ nanocomposite thin films from advanced low-fluorine solutions. Superconductor Science and Technology, 2017, 30, 125010.	1.8	27
106	Epitaxial YBa₂Cu₃O_{7â^'x}nanocomposite films and coated conductors from BaMO₃(M= Zr, Hf) colloidal solutions. Superconductor Science and Technology, 2018, 31, 044001.	1.8	27
107	PLA Electrospun Scaffolds for Three-Dimensional Triple-Negative Breast Cancer Cell Culture. Polymers, 2019, 11, 916.	2.0	27
108	Probing localized strain in solution-derived <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></	0.9	27

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109	High critical current YBa2Cu3O7artificial joints using Ag foils as welding agent. Superconductor Science and Technology, 2004, 17, 182-185.	1.8	26
110	Biaxial texture analysis ofYBa2Cu3O7-coated conductors by micro-Raman spectroscopy. Physical Review B, 2004, 70, .	1.1	26
111	Decomposition processes and structural transformations of cerium propionate into nanocrystalline ceria at different oxygen partial pressures. Journal of Nanoparticle Research, 2011, 13, 4085-4096.	0.8	26
112	Thermoanalytical study of the formation mechanism of yttria from yttrium acetate. Thermochimica Acta, 2011, 521, 84-89.	1.2	26
113	Structural defects in trifluoroacetate derived YBa₂Cu₃O₇thin films. Superconductor Science and Technology, 2012, 25, 065009.	1.8	26
114	Volume Resistive Switching in metallic perovskite oxides driven by the Metal-Insulator Transition. Journal of Electroceramics, 2017, 39, 185-196.	0.8	26
115	Orientation and shape selection of self-assembled epitaxial Ce1â^'xGdxO2â^'y nanostructures grown by chemical solution deposition. CrystEngComm, 2011, 13, 6719.	1.3	25
116	Growth of all-chemical high critical current YBa₂Cu₃O_{7â^'Î´} thick films and coated conductors. Superconductor Science and Technology, 2019, 32, 015004.	1.8	25
117	Pinning regimes of grain boundary vortices inYBa2Cu3O7â^'xcoated conductors. Physical Review B, 2006, 73, .	1.1	24
118	Nanostructured Superconductors with Efficient Vortex Pinning. , 2011, , 303-349.		24
119	Nanocrystalline Ferroelectric BiFeO₃ Thin Films by Low-Temperature Atomic Layer Deposition. Chemistry of Materials, 2015, 27, 6322-6328.	3.2	24
120	Ultra-high critical current densities of superconducting YBa2Cu3O7-Î´ thin films in the overdoped state. Scientific Reports, 2021, 11, 8176.	1.6	24
121	Enhanced critical currents in melt textured YBa2Cu3O7 by cold isostatic pressing. Applied Physics Letters, 1999, 74, 73-75.	1.5	23
122	In-field hall probe mapping system for characterization of YBCO welds. IEEE Transactions on Applied Superconductivity, 2003, 13, 3136-3139.	1.1	23
123	Characterization of superconducting rings using an in-field hall probe magnetic mapping system. IEEE Transactions on Applied Superconductivity, 2003, 13, 3667-3670.	1.1	23
124	Ultraviolet pulsed laser crystallization of Ba0.8Sr0.2TiO3 films on LaNiO3-coated silicon substrates. Ceramics International, 2016, 42, 4039-4047.	2.3	23
125	Thermal decomposition of yttrium propionate: film and powder. Journal of Analytical and Applied Pyrolysis, 2018, 133, 225-233.	2.6	23
126	Screening of Additive Manufactured Scaffolds Designs for Triple Negative Breast Cancer 3D Cell Culture and Stem-Like Expansion. International Journal of Molecular Sciences, 2018, 19, 3148.	1.8	23

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127	All-chemical YBa2Cu3O7coated conductors on IBAD-YSZ stainless steel substrates. Superconductor Science and Technology, 2006, 19, L1-L4.	1.8	22
128	Atomically flat MOD La0.7Sr0.3MnO3buffer layers for high critical current YBa2Cu3O7TFA films. Superconductor Science and Technology, 2007, 20, S230-S238.	1.8	22
129	Low-power superconducting motors. Superconductor Science and Technology, 2008, 21, 034010.	1.8	22
130	Selfâ€Organized Ce_{1â€x}Gd_xO_{2â€y} Nanowire Networks with Very Fast Coarsening Driven by Attractive Elastic Interactions. Small, 2010, 6, 2716-2724.	5.2	22
131	Single Crystalline La_{0.7}Sr_{0.3}MnO₃Molecular Sieve Nanowires with High Temperature Ferromagnetism. Journal of the American Chemical Society, 2011, 133, 4053-4061.	6.6	22
132	Computation of Current Distribution in YBCO Tapes With Defects Obtained From Hall Magnetic Mapping by Inverse Problem Solution. IEEE Transactions on Applied Superconductivity, 2011, 21, 3408-3412.	1.1	22
133	Growth of ferroelectric Ba0.8Sr0.2TiO3 epitaxial films by ultraviolet pulsed laser irradiation of chemical solution derived precursor layers. Applied Physics Letters, 2015, 106, 262903.	1.5	22
134	EGCG-Derivative G28 Shows High Efficacy Inhibiting the Mammosphere-Forming Capacity of Sensitive and Resistant TNBC Models. Molecules, 2019, 24, 1027.	1.7	22
135	In-plane Mg doping in YBa2Cu3O7: influence on the superconducting anisotropy. Superconductor Science and Technology, 2000, 13, 1067-1073.	1.8	21
136	The role of stacking faults in the critical current density of MOD films through a thickness dependence study. Superconductor Science and Technology, 2009, 22, 015022.	1.8	21
137	Integration of atomic layer deposition CeO2 thin films with functional complex oxides and 3D patterns. Thin Solid Films, 2014, 553, 7-12.	0.8	21
138	Competition between Superconductor â€“ Ferromagnetic stray magnetic fields in YBa2Cu3O7â^'x films pierced with Co nano-rods. Scientific Reports, 2017, 7, 5663.	1.6	21
139	In-plane flux pinning in melt-texturedYBa2Cu3O7â^'Y2BaCuO5composites. Physical Review B, 1998, 58, 15198-15207.	1.1	20
140	Tuning the critical currents in bulk MTG YBCO for current limiting devices. Superconductor Science and Technology, 2000, 13, 879-885.	1.8	20
141	Critical State of YBCO Superconductors With Artificially Patterned Holes. IEEE Transactions on Applied Superconductivity, 2005, 15, 2775-2778.	1.1	20
142	Growth of strain-induced self-assembled BaZrO3 nanodots from chemical solutions. Surface Science, 2007, 601, 2680-2683.	0.8	20
143	Nanoindentation of multilayered epitaxial YBa2Cu3O7-Î´ thin films and coated conductors. Thin Solid Films, 2011, 519, 2470-2476.	0.8	20
144	Unusual magneto-transport of YBa₂Cu₃O_{7â^'Î´}films due to the interplay of anisotropy, random disorder and nanoscale periodic pinning. New Journal of Physics, 2013, 15, 103022.	1.2	20

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145	Ferromagnetic 1D oxide nanostructures grown from chemical solutions in confined geometries. Chemical Society Reviews, 2014, 43, 2042-2054.	18.7	20
146	Valor pronÃ³stico del Ãndice de masa corporal y el perÃmetro de cintura en los pacientes con insuficiencia cardiaca crÃ³nica (Registro EspaÃ±ol REDINSCOR). Revista Espanola De Cardiologia, 2014, 67, 101-106.	0.6	20
147	Nanoscale Correlations between Metalâ€“Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. Small, 2020, 16, e2001307.	5.2	20
148	Upper critical field of Pb films with an antidot lattice. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1567-1568.	0.6	19
149	Influence of twin boundaries and randomly oriented correlated disorder on the liquid vortex plasticity ofYBa2Cu3O7. Physical Review B, 2003, 67, .	1.1	19
150	Comparison of ac susceptibility of YBa2Cu3O7 coated conductors and single crystals. Applied Physics Letters, 2004, 85, 5646-5648.	1.5	19
151	Growth rate control and solidâ€“gas modeling of TFA-YBa₂Cu₃O₇thin film processing. Superconductor Science and Technology, 2010, 23, 034005.	1.8	19
152	Vortex dynamics at high ac amplitudes of trifluoracetate route grown<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YBa</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Physical Review B, 2010, 81, .	1.1	19
153	Thermal decomposition of barium trifluoroacetate thin films. Thermochimica Acta, 2013, 556, 58-62.	1.2	19
154	Design of a Scaffold Parameter Selection System with Additive Manufacturing for a Biomedical Cell Culture. Materials, 2018, 11, 1427.	1.3	19
155	High frequency response of thick REBCO coated conductors in the framework of the FCC study. Scientific Reports, 2020, 10, 12325.	1.6	19
156	Porosity induced magnetic granularity in epitaxialYBa2Cu3O7thin films. Physical Review B, 2006, 73, .	1.1	18
157	All-chemical high-Jc YBa2Cu3O7 multilayers with SrTiO3 as cap layer. Journal of Materials Research, 2006, 21, 1106-1116.	1.2	18
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