Teresa Puig

List of Publications by Year in Descending Order

387 papers	7,791 citations	39 h-index	67 g-index
396 ext. papers	8,523 ext. citations	4.4 avg, IF	5.81 L-index

#	Paper	IF	Citations
387	Thin Film (High Temperature) Superconducting Radiofrequency Cavities for the Search of Axion Dark Matter. *IEEE Transactions on Applied Superconductivity*, **2022**, 1-1	1.8	1
386	Evaluation of the nonlinear surface resistance of REBCO coated conductors for their use in the FCC-hh beam screen. *Superconductor Science and Technology*, **2022**, 35, 025015	3.1	3
385	Volume Resistive Switching in Metallic Perovskite Oxides Driven by the Metal-Insulator Transition. *Kluwer International Series in Electronic Materials: Science and Technology*, **2022**, 289-310		
384	ABTL0812 enhances antitumor effect of paclitaxel and reverts chemoresistance in triple-negative breast cancer models.. *Cancer Communications*, **2022**,	9.4	0
383	High critical current solution derived YBa2Cu3O7 films grown on sapphire. *Superconductor Science and Technology*, **2022**, 35, 054007	3.1	1
382	Chemical Solution Deposition of Insulating Yttria Nanolayers as Current Flow Diverter in Superconducting GdBaCuO Coated Conductors.. *ACS Omega*, **2022**, 7, 15315-15325	3.9	
381	Fatty acid synthase as a feasible biomarker for triple negative breast cancer stem cell subpopulation cultured on electrospun scaffolds. *Materials Today Bio*, **2021**, 12, 100155	9.9	1
380	Polycaprolactone Electrospun Scaffolds Produce an Enrichment of Lung Cancer Stem Cells in Sensitive and Resistant EGFRm Lung Adenocarcinoma. *Cancers*, **2021**, 13,	6.6	1
379	RANK signaling increases after anti-HER2 therapy contributing to the emergence of resistance in HER2-positive breast cancer. *Breast Cancer Research*, **2021**, 23, 42	8.3	3
378	Ultra-high critical current densities of superconducting YBaCuO thin films in the overdoped state. *Scientific Reports*, **2021**, 11, 8176	4.9	5
377	Cancer Cell Direct Bioprinting: A Focused Review. *Micromachines*, **2021**, 12,	3.3	2
376	Low-Fluorine Ba-Deficient Solutions for High-Performance Superconducting YBCO Films. *Coatings*, **2021**, 11, 199	2.9	2
375	Combinatorial Screening of Cuprate Superconductors by Drop-On-Demand Inkjet Printing. *ACS Applied Materials & Interfaces*, **2021**, 13, 9101-9112	9.5	6
374	High Performance of Superconducting YBa2Cu3O7 Thick Films Prepared by Single-Deposition Inkjet Printing. *ACS Applied Electronic Materials*, **2021**, 3, 3948-3961	4	2
373	Vortex pinning properties at dc and microwave frequencies of YBa2Cu3O7-x films with nanorods and nanoparticles. *Superconductor Science and Technology*, **2020**, 33, 074006	3.1	6
372	Nanoscale Correlations between Metal-Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. *Small*, **2020**, 16, e2001307	11	8
371	Relevance of the Formation of Intermediate Non-Equilibrium Phases in YBa2Cu3O7− Film Growth by Transient Liquid-Assisted Growth. *Journal of Physical Chemistry C*, **2020**, 124, 15574-15584	3.8	6

370	Embedded Magnetism in YBa2Cu3O7 Associated with CuO Vacancies within Nanoscale Intergrowths: Implications for Superconducting Current Performance. *ACS Applied Nano Materials*, **2020**, 3, 3050-3059	5.6	2
369	Pyrolysis study of solution-derived superconducting YBa2Cu3O7 films: disentangling the physico-chemical transformations. *Journal of Materials Chemistry C*, **2020**, 8, 10266-10282	7.1	4
368	Suppression of superconductivity at the nanoscale in chemical solution derived YBa2Cu3O7 thin films with defective Y2Ba4Cu8O16 intergrowths. *Nanoscale Advances*, **2020**, 2, 3384-3393	5.1	2
367	Local strain-driven migration of oxygen vacancies to apical sites in YBaCuO. *Nanoscale*, **2020**, 12, 5922-5931	7.7	6
366	Intrinsic anisotropy and pinning anisotropy in nanostructured YBa2Cu3O7 from microwave measurements. *Superconductor Science and Technology*, **2020**, 33, 044017	3.1	7
365	Ultrafast transient liquid assisted growth of high current density superconducting films. *Nature Communications*, **2020**, 11, 344	17.4	18
364	Fatty Acid Synthase Inhibitor G28 Shows Anticancer Activity in EGFR Tyrosine Kinase Inhibitor Resistant Lung Adenocarcinoma Models. *Cancers*, **2020**, 12,	6.6	1
363	Hybrid approach to obtain high-quality BaMO perovskite nanocrystals.. *RSC Advances*, **2020**, 10, 28872-28878	3.7	2
362	High frequency response of thick REBCO coated conductors in the framework of the FCC study. *Scientific Reports*, **2020**, 10, 12325	4.9	9
361	Artificial pinning centers in (Y, RE)-Ba-Cu-O superconductors: recent progress and future perspective. *Superconductor Science and Technology*, **2020**, 33, 040301	3.1	2
360	Using evolved gas analysis mass spectrometry to characterize adsorption on a nanoparticle surface. *Nanoscale Advances*, **2019**, 1, 2740-2747	5.1	3
359	Thermal decomposition of CuProp2: In-situ analysis of film and powder pyrolysis. *Journal of Analytical and Applied Pyrolysis*, **2019**, 140, 312-320	6	9
358	Radical and oxidative pathways in the pyrolysis of a barium propionate-acetate salt. *Journal of Analytical and Applied Pyrolysis*, **2019**, 141, 104640	6	8
357	PLA Electrospun Scaffolds for Three-Dimensional Triple-Negative Breast Cancer Cell Culture. *Polymers*, **2019**, 11,	4.5	20
356	Depairing Current at High Magnetic Fields in Vortex-Free High-Temperature Superconducting Nanowires. *Nano Letters*, **2019**,	11.5	6
355	Control of nanostructure and pinning properties in solution deposited YBaCuO nanocomposites with preformed perovskite nanoparticles. *Scientific Reports*, **2019**, 9, 5828	4.9	23
354	Accelerated growth by flash heating of high critical current trifluoroacetate solution derived epitaxial superconducting YBa2Cu3O7 films. *Journal of Materials Chemistry C*, **2019**, 7, 4748-4759	7.1	13
353	EGCG-Derivative G28 Shows High Efficacy Inhibiting the Mammosphere-Forming Capacity of Sensitive and Resistant TNBC Models. *Molecules*, **2019**, 24,	4.8	13

352	Engineering Oxygen Migration for Homogeneous Volume Resistive Switching in 3-Terminal Devices. *Advanced Electronic Materials*, **2019**, 5, 1800629	6.4	12
351	Intrinsic anisotropy versus effective pinning anisotropy in YBa2Cu3O7 thin films and nanocomposites. *Physical Review B*, **2019**, 100,	3.3	10
350	Coated conductor technology for the beamscreen chamber of future high energy circular colliders. *Superconductor Science and Technology*, **2019**, 32, 094006	3.1	8
349	Epigenetic silencing of TGFBI confers resistance to trastuzumab in human breast cancer. *Breast Cancer Research*, **2019**, 21, 79	8.3	20
348	Effect of triethanolamine on the pyrolysis of metal-propionate-based solutions. *Journal of Analytical and Applied Pyrolysis*, **2019**, 143, 104685	6	3
347	Direct observation of apical oxygen vacancies in the high-temperature superconductor YBa2Cu3O7□. *Physical Review Materials*, **2019**, 3,	3.2	11
346	Three-Dimensional Manufactured Supports for Breast Cancer Stem Cell Population Characterization. *Current Drug Targets*, **2019**, 20, 839-851	3	3
345	Comparison of migration disturbance potency of epigallocatechin gallate (EGCG) synthetic analogs and EGCG PEGylated PLGA nanoparticles in rat neurospheres. *Food and Chemical Toxicology*, **2019**, 123, 195-204	4.7	6
344	Growth of all-chemical high critical current YBa2Cu3O7□ thick films and coated conductors. *Superconductor Science and Technology*, **2019**, 32, 015004	3.1	17
343	Band Gap Tuning of Solution-Processed Ferroelectric Perovskite BiFe Co O Thin Films. *Chemistry of Materials*, **2019**, 31, 947-954	9.6	34
342	Thermoelectric stack sample cooling modification of a commercial atomic force microscopy. *Ultramicroscopy*, **2019**, 196, 186-191	3.1	2
341	Disentangling vortex pinning landscape in chemical solution deposited superconducting YBa2Cu3O7□ films and nanocomposites. *Superconductor Science and Technology*, **2018**, 31, 034004	3.1	30
340	Epitaxial YBa2Cu3O7□ nanocomposite films and coated conductors from BaMO3(M= Zr, Hf) colloidal solutions. *Superconductor Science and Technology*, **2018**, 31, 044001	3.1	18
339	Tunable Self-Assembly of YF Nanoparticles by Citrate-Mediated Ionic Bridges. *Journal of the American Chemical Society*, **2018**, 140, 2127-2134	16.4	19
338	Diminish electrostatic in piezoresponse force microscopy through longer or ultra-stiff tips. *Applied Surface Science*, **2018**, 439, 577-582	6.7	38
337	Angular flux creep contributions in YBaCuO nanocomposites from electrical transport measurements. *Scientific Reports*, **2018**, 8, 5924	4.9	4
336	Thermal decomposition of yttrium propionate: film and powder. *Journal of Analytical and Applied Pyrolysis*, **2018**, 133, 225-233	6	17
335	Vortex Lattice Instabilities in YBa□Cu□O Nanowires. *Materials*, **2018**, 11,	3.5	10

334	(-)-Epigallocatechin 3-Gallate Synthetic Analogues Inhibit Fatty Acid Synthase and Show Anticancer Activity in Triple Negative Breast Cancer. *Molecules*, **2018**, 23,	4.8	25
333	Inkjet Printing Multideposited YBCO on CGO/LMO/MgO/Y2O3/Al2 O3/Hastelloy Tape for 2G-Coated Conductors. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5	1.8	6
332	Electrochemical Tuning of Metal Insulator Transition and Nonvolatile Resistive Switching in Superconducting Films. *ACS Applied Materials & Interfaces*, **2018**, 10, 30522-30531	9.5	12
331	Defect landscape and electrical properties in solution-derived LaNiO3 and NdNiO3 epitaxial thin films. *Physical Review Materials*, **2018**, 2,	3.2	5
330	Design of a Scaffold Parameter Selection System with Additive Manufacturing for a Biomedical Cell Culture. *Materials*, **2018**, 11,	3.5	15
329	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,	6.3	16
328	3D-Printed PCL/PLA Composite Stents: Towards a New Solution to Cardiovascular Problems. *Materials*, **2018**, 11,	3.5	72
327	Faceted-Charge Patchy LnF Nanocrystals with a Selective Solvent Interaction. *Angewandte Chemie - International Edition*, **2018**, 57, 14747-14751	16.4	3
326	Faceted-Charge Patchy LnF3 Nanocrystals with a Selective Solvent Interaction. *Angewandte Chemie*, **2018**, 130, 14963-14967	3.6	1
325	Targeting Breast Cancer Stem Cells to Overcome Treatment Resistance. *Molecules*, **2018**, 23,	4.8	67
324	Effects of different sterilization processes on the properties of a novel 3D-printed polycaprolactone stent. *Polymers for Advanced Technologies*, **2018**, 29, 2327-2335	3.2	18
323	ABS 3D printed solutions for cryogenic applications. *Cryogenics*, **2017**, 82, 30-37	1.8	21
322	Novel Fe3O4@GNF@SiO2 nanocapsules fabricated through the combination of an in situ formation method and SiO2 coating process for magnetic resonance imaging. *RSC Advances*, **2017**, 7, 24690-24697	3.7	7
321	(-)-Epigallocatechin-3-Gallate Antihyperalgesic Effect Associates With Reduced CX3CL1 Chemokine Expression in Spinal Cord. *Phytotherapy Research*, **2017**, 31, 340-344	6.7	11
320	Untangling surface oxygen exchange effects in YBaCuO thin films by electrical conductivity relaxation. *Physical Chemistry Chemical Physics*, **2017**, 19, 14129-14140	3.6	9
319	Hybrid YBa2Cu3O7 Superconducting–Ferromagnetic Nanocomposite Thin Films Prepared from Colloidal Chemical Solutions. *Advanced Electronic Materials*, **2017**, 3, 1700037	6.4	11
318	Preparation of YBCO-BYTO and YBCO-BZO nanostructured superconducting films by chemical method. *Journal of Physics: Conference Series*, **2017**, 786, 012017	0.3	1
317	Unveiling the Nucleation and Coarsening Mechanisms of Solution-Derived Self-Assembled Epitaxial Ce0.9Gd0.1O2−δ Nanostructures. *Crystal Growth and Design*, **2017**, 17, 504-516	3.5	16

316	Piezo-generated charge mapping revealed through direct piezoelectric force microscopy. *Nature Communications*, **2017**, 8, 1113	17.4	32
315	Epitaxial superconducting GdBa2Cu3O7−x/Gd2O3 nanocomposite thin films from advanced low-fluorine solutions. *Superconductor Science and Technology*, **2017**, 30, 125010	3.1	23
314	Competition between Superconductor - Ferromagnetic stray magnetic fields in YBaCuO films pierced with Co nano-rods. *Scientific Reports*, **2017**, 7, 5663	4.9	18
313	Axiotaxy in oxide heterostructures: Preferential orientation of BaCeO3 nanoparticles embedded in superconducting YBa2Cu3O7−x thin films. *Thin Solid Films*, **2017**, 638, 105-113	2.2	1
312	Volume Resistive Switching in metallic perovskite oxides driven by the Metal-Insulator Transition. *Journal of Electroceramics*, **2017**, 39, 185-196	1.5	18
311	Melting temperature of YBa2Cu3O7−x and GdBa2Cu3O7−x at subatmospheric partial pressure. *Journal of Alloys and Compounds*, **2017**, 692, 787-792	5.7	12
310	6. Vortex dynamics in nanofabricated chemical solution deposition high-temperature superconducting films **2017**, 195-220		1
309	Electrospinning PCL Scaffolds Manufacture for Three-Dimensional Breast Cancer Cell Culture. *Polymers*, **2017**, 9,	4.5	38
308	Inkjet-Printed Chemical Solution Y2O3 Layers for Planarization of Technical Substrates. *Coatings*, **2017**, 7, 227	2.9	3
307	Probing localized strain in solution-derived YBa2Cu3O7−x nanocomposite thin films. *Physical Review Materials*, **2017**, 1,	3.2	18
306	Fatty acid synthase expression and its association with clinico-histopathological features in triple-negative breast cancer. *Oncotarget*, **2017**, 8, 74391-74405	3.3	24
305	DUSP4 is associated with increased resistance against anti-HER2 therapy in breast cancer. *Oncotarget*, **2017**, 8, 77207-77218	3.3	20
304	Natural Polyphenols and their Synthetic Analogs as Emerging Anticancer Agents. *Current Drug Targets*, **2017**, 18, 147-159	3	41
303	Epigallocatechin-3-gallate treatment reduces thermal hyperalgesia after spinal cord injury by down-regulating RhoA expression in mice. *European Journal of Pain*, **2016**, 20, 341-52	3.7	19
302	Probing localized strain in solution-derived YBCO nanocomposite films **2016**, 291-292		
301	Composite films combining electrospun fiber network and epitaxial oxide by chemical solution deposition. *Journal of Sol-Gel Science and Technology*, **2016**, 80, 277-284	2.3	2
300	Functional behavior of the anomalous magnetic relaxation observed in melt-textured YBa2Cu3O7-δ samples showing the paramagnetic Meissner effect. *Physica C: Superconductivity and Its Applications*, **2016**, 529, 44-49	1.3	0
299	Ultra-fast microwave-assisted reverse microemulsion synthesis of Fe3O4@SiO2 core–shell nanoparticles as a highly recyclable silver nanoparticle catalytic platform in the reduction of 4-nitroaniline. *RSC Advances*, **2016**, 6, 88762-88769	3.7	22

298	Disentangling Epitaxial Growth Mechanisms of Solution Derived Functional Oxide Thin Films. *Advanced Materials Interfaces*, **2016**, 3, 1600392	4.6	24
297	Circulating Fatty Acid Synthase in pregnant women: Relationship to blood pressure, maternal metabolism and newborn parameters. *Scientific Reports*, **2016**, 6, 24167	4.9	7
296	Spontaneous formation of spiral-like patterns with distinct periodic physical properties by confined electrodeposition of Co-In disks. *Scientific Reports*, **2016**, 6, 30398	4.9	8
295	Unique nanostructural features in Fe, Mn-doped YBCO thin films. *Superconductor Science and Technology*, **2016**, 29, 125009	3.1	9
294	Preclinical Evaluation of Fatty Acid Synthase and EGFR Inhibition in Triple-Negative Breast Cancer. *Clinical Cancer Research*, **2016**, 22, 4687-97	12.9	36
293	High-field paramagnetic Meissner effect up to 14 T in melt-textured YBa 2 Cu 3 O 7 □ *Physica C: Superconductivity and Its Applications*, **2016**, 525-526, 105-110	1.3	1
292	Magnetic stability against calcining of microwave-synthesized CoFe2O4 nanoparticles. *New Journal of Chemistry*, **2016**, 40, 6890-6898	3.6	9
291	Magnetic irreversibility: An important amendment in the zero-field-cooling and field-cooling method. *Japanese Journal of Applied Physics*, **2016**, 55, 023101	1.4	3
290	Soluble CRTC3: A Newly Identified Protein Released by Adipose Tissue That Is Associated with Childhood Obesity. *Clinical Chemistry*, **2016**, 62, 476-84	5.5	9
289	Solution design for low-fluorine trifluoroacetate route to YBa2Cu3O7films. *Superconductor Science and Technology*, **2016**, 29, 024002	3.1	34
288	Ultraviolet pulsed laser crystallization of Ba0.8Sr0.2TiO3 films on LaNiO3-coated silicon substrates. *Ceramics International*, **2016**, 42, 4039-4047	5.1	17
287	Breast Cancer Stem Cell Culture and Enrichment Using Poly(□Caprolactone) Scaffolds. *Molecules*, **2016**, 21, 537	4.8	29
286	Encoding Magnetic States in Monopole-Like Configurations Using Superconducting Dots. *Advanced Science*, **2016**, 3, 1600207	13.6	10
285	. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	9
284	Superconducting YBa2Cu3O7□Nanocomposites Using Preformed ZrO2 Nanocrystals: Growth Mechanisms and Vortex Pinning Properties. *Advanced Electronic Materials*, **2016**, 2, 1600161	6.4	43
283	Orientation symmetry breaking in self-assembled Ce1□GdxO2□ nanowires derived from chemical solutions. *RSC Advances*, **2016**, 6, 97226-97236	3.7	7
282	Conformal oxide nanocoatings on electrodeposited 3D porous Ni films by atomic layer deposition. *Journal of Materials Chemistry C*, **2016**, 4, 8655-8662	7.1	2
281	Ultrafast Epitaxial Growth Kinetics in Functional Oxide Thin Films Grown by Pulsed Laser Annealing of Chemical Solutions. *Chemistry of Materials*, **2016**, 28, 6136-6145	9.6	21

280	Emerging Diluted Ferromagnetism in High- Superconductors Driven by Point Defect Clusters. *Advanced Science*, **2016**, 3, 1500295	13.6	34
279	Ultrafast Crystallization of Ce0.9Zr0.1O2 Epitaxial Films on Flexible Technical Substrates by Pulsed Laser Irradiation of Chemical Solution Derived Precursor Layers. *Crystal Growth and Design*, **2015**, 15, 1957-1967	3.5	12
278	Resistive switching in CeO2/La0.8Sr0.2MnO3 bilayer for non-volatile memory applications. *Microelectronic Engineering*, **2015**, 147, 37-40	2.5	23
277	Induced shape controllability by tailored precursor design in thermal and microwave-assisted synthesis of (mathrm{Fe}_{3}mathrm{O}_{4}) nanoparticles. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	12
276	Nanocrystalline Ferroelectric BiFeO3 Thin Films by Low-Temperature Atomic Layer Deposition. *Chemistry of Materials*, **2015**, 27, 6322-6328	9.6	20
275	Geometrically controlled ratchet effect with collective vortex motion. *New Journal of Physics*, **2015**, 17, 073022	2.9	8
274	Epitaxial YBa2Cu3O7 nanocomposite thin films from colloidal solutions. *Superconductor Science and Technology*, **2015**, 28, 124007	3.1	43
273	Chemical solution growth of La0.7Sr0.3MnO3 nanotubes in confined geometries. *Journal of Sol-Gel Science and Technology*, **2015**, 73, 620-627	2.3	1
272	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	3.4	21
271	Thermal analysis of metal organic precursors for functional oxide preparation: Thin films versus powders. *Thermochimica Acta*, **2015**, 601, 1-8	2.9	28
270	High pinning performance of YBa2Cu3O7 films added with Y2O3nanoparticulate defects. *Superconductor Science and Technology*, **2015**, 28, 024002	3.1	35
269	In situstudy through electrical resistance of growth rate of trifluoroacetate-based solution-derived YBa2Cu3O7films. *Superconductor Science and Technology*, **2015**, 28, 024006	3.1	13
268	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	3.7	37
267	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	3.8	36
266	Ferromagnetic 1D oxide nanostructures grown from chemical solutions in confined geometries. *Chemical Society Reviews*, **2014**, 43, 2042-54	58.5	14
265	Paramagnetic moments in YBa2Cu3O7 nanocomposite films. *Physica C: Superconductivity and Its Applications*, **2014**, 503, 175-177	1.3	5
264	Hybrid sol gel layers containing CeO2 nanoparticles as UV-protection of plastic lenses for concentrated photovoltaics. *Solar Energy Materials and Solar Cells*, **2014**, 120, 175-182	6.4	46
263	Low Temperature Stabilization of Nanoscale Epitaxial Spinel Ferrite Thin Films by Atomic Layer Deposition. *Advanced Functional Materials*, **2014**, 24, 5368-5374	15.6	36

262	Role of twin boundaries on vortex pinning of CSD YBCO nanocomposites. *Superconductor Science and Technology*, **2014**, 27, 125009	3.1	21
261	Vortex creep in TFA-YBCO nanocomposite films. *Superconductor Science and Technology*, **2014**, 27, 115008	3.1	9
260	Vortex energy landscape from real space imaging analysis of YBa2Cu3O7 with different defect structures. *Physica C: Superconductivity and Its Applications*, **2014**, 505, 47-54	1.3	2
259	Direct Monolithic Integration of Vertical Single Crystalline Octahedral Molecular Sieve Nanowires on Silicon. *Chemistry of Materials*, **2014**, 26, 1019-1028	9.6	11
258	Thickness-concentration-viscosity relationships in spin-coated metalorganic ceria films containing polyvinylpyrrolidone. *Journal of Sol-Gel Science and Technology*, **2014**, 72, 21-29	2.3	6
257	Valor pronóstico del índice de masa corporal y el perímetro de cintura en los pacientes con insuficiencia cardiaca crónica (Registro Español REDINSCOR). *Revista Espanola De Cardiologia*, **2014**, 67, 101-106	1.5	17
256	Integration of atomic layer deposition CeO2 thin films with functional complex oxides and 3D patterns. *Thin Solid Films*, **2014**, 553, 7-12	2.2	19
255	Chemical solution route to self-assembled epitaxial oxide nanostructures. *Chemical Society Reviews*, **2014**, 43, 2200-25	58.5	78
254	Inkjet printing of multifilamentary YBCO for low AC loss coated conductors. *Journal of Physics: Conference Series*, **2014**, 507, 022010	0.3	8
253	Magnetic vortex evolution in self-assembled La0.7Sr0.3MnO3 nanoislands under in-plane magnetic field. *APL Materials*, **2014**, 2, 076111	5.7	5
252	Size-controlled spontaneously segregated Ba2YTaO6nanoparticles in YBa2Cu3O7nanocomposites obtained by chemical solution deposition. *Superconductor Science and Technology*, **2014**, 27, 044008	3.1	36
251	Coated conductors for power applications: materials challenges. *Superconductor Science and Technology*, **2014**, 27, 044003	3.1	255
250	Fatty acid synthase expression is strongly related to menopause in early-stage breast cancer patients. *Menopause*, **2014**, 21, 188-91	2.5	11
249	Nanowall pinning for enhanced pinning force in YBCO films with nanofabricated structures. *Physica C: Superconductivity and Its Applications*, **2014**, 506, 178-183	1.3	9
248	Development of YBa2Cu3O7-Ba2YTaO6nanocomposites by chemical solution deposition. *Journal of Physics: Conference Series*, **2014**, 568, 022015	0.3	1
247	Enhanced structural and morphological properties of Gd-doped CeO2 thin films obtained by polymer-assisted deposition. *Materials Letters*, **2014**, 124, 306-309	3.3	13
246	Nanosession: Valence Change Memories - A Look Inside **2013**, 233-245		
245	Optical properties of ceria-zirconia epitaxial films grown from chemical solutions. *Materials Chemistry and Physics*, **2013**, 138, 462-467	4.4	16

244	Functional oxide nanostructures written by EBL on insulating single crystal substrates. *Microelectronic Engineering*, **2013**, 110, 94-99	2.5	3
243	Magnetic and structural characterization of inkjet-printedTFAYBa2Cu3O7−x/MODCZO/ABADYSZ/SS coated conductors. *Superconductor Science and Technology*, **2013**, 26, 125004	3.1	14
242	Flexible manufacturing of functional ceramic coatings by inkjet printing. *Thin Solid Films*, **2013**, 548, 489-497	2.2	27
241	Photoemission electron microscopy study of sub-200 nm self-assembled La0.5Sr0.5MnO3epitaxial islands. *Nanoscale*, **2013**, 5, 2990-8	7.7	9
240	Thermoanalytical study of the decomposition of yttrium trifluoroacetate thin films. *Thin Solid Films*, **2013**, 545, 200-204	2.2	15
239	Thermal Analysis for Low Temperature Synthesis of Oxide Thin Films from Chemical Solutions. *Journal of Physical Chemistry C*, **2013**, 117, 20133-20138	3.8	37
238	Laser-induced metal organic decomposition for Ce0.9Zr0.1O2−δ epitaxial thin film growth. *Journal of Alloys and Compounds*, **2013**, 574, 246-254	5.7	11
237	Thermal decomposition of barium trifluoroacetate thin films. *Thermochimica Acta*, **2013**, 556, 58-62	2.9	19
236	One-pot synthesis of stable colloidal solutions of MFe2O4 nanoparticles using oleylamine as solvent and stabilizer. *Materials Research Bulletin*, **2013**, 48, 966-972	5.1	33
235	Strain-driven broken twin boundary coherence in YBa2Cu3O7−δnanocomposite thin films. *Applied Physics Letters*, **2013**, 102, 081906	3.4	33
234	Unusual magneto-transport of YBa2Cu3O7−δfilms due to the interplay of anisotropy, random disorder and nanoscale periodic pinning. *New Journal of Physics*, **2013**, 15, 103022	2.9	17
233	Anomalous electronic and magnetic properties of the Eu2Ru2O7 pyrochlore. *Journal of Applied Physics*, **2013**, 113, 17E102	2.5	3
232	Dual Function Polyvinyl Alcohol Based Oxide Precursors for Nanoimprinting and Electron Beam Lithography. *Materials Research Society Symposia Proceedings*, **2013**, 1547, 75-80		
231	Solution-derived YBa2Cu3O7nanocomposite films with a Ba2YTaO6secondary phase for improved superconducting properties. *Superconductor Science and Technology*, **2013**, 26, 015001	3.1	35
230	RECall for automated genotypic tropism testing. *Journal of Clinical Microbiology*, **2013**, 51, 2754-7	9.7	2
229	Synthesis of nanocrystalline ceria thin films by low-temperature thermal decomposition of Ce-propionate. *Thin Solid Films*, **2012**, 520, 1949-1953	2.2	27
228	Current Distribution in Wide YBCO Tapes. *Physics Procedia*, **2012**, 36, 1625-1630		
227	Epitaxial BaZrO3 tracks by electrospinning of metalorganic fibers on single crystals. *CrystEngComm*, **2012**, 14, 4686	3.3	3

226	Chemical synthesis of oriented ferromagnetic LaSr-2 4 manganese oxide molecular sieve nanowires. *Chemical Communications*, **2012**, 48, 6223-5	5.8	9
225	Guided vortex motion in YBa2Cu3O7 thin films with collective ratchet pinning potentials. *Physical Review B*, **2012**, 85,	3.3	35
224	Low Temperature Epitaxial Oxide Ultrathin Films and Nanostructures by Atomic Layer Deposition. *Chemistry of Materials*, **2012**, 24, 3732-3737	9.6	36
223	The thermal decomposition of barium trifluoroacetate. *Thermochimica Acta*, **2012**, 544, 77-83	2.9	32
222	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	2.3	62
221	Different fatty acid metabolism effects of (-)-epigallocatechin-3-gallate and C75 in adenocarcinoma lung cancer. *BMC Cancer*, **2012**, 12, 280	4.8	60
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