Renato F Jardim

List of Publications by Year
in descending order

112	1,772	304743	315739
papers	citations	22 h-index	38 g-index

113	113	113	1953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recoverable rhodium nanoparticles: Synthesis, characterization and catalytic performance in hydrogenation reactions. Applied Catalysis A: General, 2008, 338, 52-57.	4.3	192
2	Luttinger Fermi surface of metallic gap spectral weight inNd1.85Ce0.15CuO4â^'y. Physical Review Letters, 1993, 70, 3163-3166.	7.8	110
3	Preparation of recoverable Ru catalysts for liquid-phase oxidation and hydrogenation reactions. Applied Catalysis A: General, 2009, 360, 177-182.	4.3	76
4	Magnetic Fluids Based on Î³-Fe₂O₃and CoFe₂O₄Nanoparticles Dispersed in Ionic Liquids. Journal of Physical Chemistry C, 2009, 113, 8566-8572.	3.1	72
5	Double resistive superconducting transition inSm2â^'xCexCuO4â^'y. Physical Review B, 1993, 47, 433-441.	3.2	54
6	General Properties of Polycrystalline LnNiO3 (Ln=Pr, Nd, Sm) Compounds Prepared through Different Precursors. Journal of Solid State Chemistry, 2000, 151, 298-307.	2.9	54
7	Influence of the compacting pressure on the dependence of the critical current with magnetic field in polycrystalline (Biâ€“Pb)2Sr2Ca2Cu3Ox superconductors. Physica C: Superconductivity and Its Applications, 2003, 384, 491-500.	1.2	53
8	Economically attractive route for the preparation of high quality magnetic nanoparticles by the thermal decomposition of iron(III) acetylacetonate. Nanotechnology, 2017, 28, 115603.	2.6	52
9	Magnetic dynamics of single-domain Ni nanoparticles. Journal of Applied Physics, 2003, 93, 6531-6533.	2.5	48
10	Method for Analyzing Second-Order Phase Transitions: Application to the Ferromagnetic Transition of a Polaronic System. Physical Review Letters, 2005, 94, 207209.	7.8	48
11	Microstructural and transport properties of LaNiO3â^'Î´ films grown on Si (111) by chemical solution deposition. Thin Solid Films, 2003, 445, 54-58.	1.8	34
12	Preparation, formation kinetics, and properties of polycrystalline Nd1.85Ce0.15Cu4-y obtained from a sol-gel precursor. Journal of Alloys and Compounds, 1993, 199, 105-114.	5.5	33
13	Extraordinary behaviour of the Y1â^'x Pr x Ba2Cu3O7â^'Î´ system. Journal of Superconductivity and Novel Magnetism, 1994, 7, 97-106.	0.5	33
14	Improvement of the intergranular pinning energy in uniaxially compacting (Bi-Pb)2Sr2Ca2Cu3O10+Î´ ceramic samples. European Physical Journal B, 2007, 58, 373-378.	1.5	32
15	Granular behavior in polycrystallineSm2â^'xCexCuO4â^'ycompounds. Physical Review B, 1994, 50, 10080-10087.	3.2	31
16	Synthesis and characterization of NiMn2O4 nanoparticles using gelatin as organic precursor. Journal of Magnetism and Magnetic Materials, 2008, 320, e304-e307.	2.3	31
17	ESR experiments and spectra simulations inYBa2Cu3O7â^'x,Y2BaCuO5, andBaCuO2+x. Physical Review B, 1989, 39, 6694-6699.	3.2	28
18	Ionic liquids as recycling solvents for the synthesis of magnetic nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 13558.	2.8	28

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19	Magnetic hysteresis of the magnetoresistance and the critical current density in polycrystalline YBa2Cu3O7âˆ’Îˊâ€“Ag superconductors. Physica C: Superconductivity and Its Applications, 2003, 390, 363-373.	1.2	27
20	Magneto-impedance measurements in bulk samples of La0.7Ca0.3MnO3 and La0.6Y0.1Ca0.3MnO3. Journal of Alloys and Compounds, 2004, 369, 108-111.	5.5	25
21	Fe3O4 nanoparticles and Rhizobium inoculation enhance nodulation, nitrogen fixation and growth of common bean plants grown in soil. Rhizosphere, 2021, 17, 100275.	3.0	24
22	Magnetic properties of Ni:SiO 2 nanocomposites synthesized by a modified sol-gel method. Applied Physics A: Materials Science and Processing, 2003, 76, 621-623.	2.3	23
23	Metalâ€“insulator transition in Nd1âˆ’xEuxNiO3compounds. Journal of Physics Condensed Matter, 2006, 18, 6117-6132.	1.8	23
24	Direct Access to Oxidation-Resistant Nickel Catalysts through an Organometallic Precursor. ACS Catalysis, 2012, 2, 925-929.	11.2	23
25	Gold nanoparticles supported on magnesium ferrite and magnesium oxide for the selective oxidation of benzyl alcohol. RSC Advances, 2015, 5, 15035-15041.	3.6	23
26	Evidence for dynamic effects in the ESR spectra of the high Tc superconductor YBa2Cu3O7. Solid State Communications, 1987, 64, 1043-1045.	1.9	22
27	Magnetic anisotropy and spin diffusion through spin disordered interfaces in magnetoresistive manganites. Journal of Applied Physics, 1998, 83, 7058-7060.	2.5	22
28	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr0.3Ti0.7O3 thin films. Journal of Applied Physics, 2004, 96, 2186-2191.	2.5	22
29	Properties of polycrystalline Nd1.85Ce0.15CuO4âˆ’Î³ prepared under different conditions. Journal of Alloys and Compounds, 1995, 221, 1-14.	5.5	20
30	Third-order nonlinearity of nickel oxide nanoparticles in toluene. Optics Letters, 2007, 32, 1435.	3.3	20
31	Correlation between normal and superconducting transport properties of Bi1.65Pb0.35Sr2Ca2Cu3O10+Îˊ ceramic samples. Physica C: Superconductivity and Its Applications, 2005, 423, 152-162.	1.2	19
32	Effect of Mn on the superconductivity ofYBa2Cu3O7âˆ’Îˊ. Physical Review B, 1988, 38, 4580-4583.	3.2	18
33	Enhanced grain growth in YBa2(Cu1âˆ’xMnx)3O7-Îˊ compounds. Physica C: Superconductivity and Its Applications, 1989, 159, 306-312.	1.2	18
34	Phase coexistence in Cr-doped Nd0.5Ca0.5MnO3 compounds. Journal of Applied Physics, 2003, 93, 8074-8076.	2.5	18
35	Transport properties of La0.6Y0.1Ca0.3MnO3 compounds with different interfaces. Journal of the European Ceramic Society, 2004, 24, 1271-1275.	5.7	18
36	Impedance spectroscopy evidence of the phase separation in La0.3Pr0.4Ca0.3MnO3 manganite. Journal of Applied Physics, 2001, 89, 6636-6638.	2.5	17

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37	Inhomogeneous distribution of the intergranular pinning energy in polycrystalline Bi1.64Pb0.36Sr2Ca2Cu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2005, 423, 51-56.	1.2	17
38	Interstitial doping induced superconductivity at 15.3â€‰K in Nb5Ge3 compound. Journal of Applied Physics, 2012, 111, 123912.	2.5	14
39	Consolidation of Bi-2223 superconducting powders by spark plasma sintering. Journal of Applied Physics, 2012, 112, .	2.5	13
40	Intergranular transport properties of polycrystalline Sm1.82Ce0.18CuO4â˜y under low applied magnetic fields. Physica C: Superconductivity and Its Applications, 1999, 328, 246-256.	1.2	11
41	Magnetic hysteresis of the critical current density of polycrystalline (Biâ€“Pb)â€“Srâ€“Caâ€“Cuâ€“O superconductors: a fingerprint of the intragranular and intergranular flux trapping. Physica C: Superconductivity and Its Applications, 2001, 354, 275-278.	1.2	11
42	Magnetic properties of polycrystalline LnNi0.3Co0.7O3 (Ln=La,â€ŠPr) compounds. Journal of Applied Physics, 2000, 87, 5908-5910.	2.5	10
43	Nanoparticle synthesis of La/sub 1-x/Sr/sub x/MnO/sub 3/ (0.1, 0.2 and 0.3) perovskites. IEEE Transactions on Magnetics, 2002, 38, 2892-2894.	2.1	10
44	Spin-flop phase and effect ofCe4+andNd3+doping inGd2CuO4. Physical Review B, 1992, 45, 10485-10489.	3.2	9
45	Magnetization steps in the phase-separated Cr-doped Nd0.5Ca0.5MnO3 compounds. Journal of Applied Physics, 2004, 95, 7085-7087.	2.5	9
46	Enhanced ferromagnetism in CuO nanowires on the top of CuO nanograins. Journal of Applied Physics, 2013, 114, 173907.	2.5	9
47	Raman scattering in the magnetically frustrated double perovskite Sr₂YRuO₆. Journal of Raman Spectroscopy, 2014, 45, 193-196.	2.5	9
48	Highly dense and textured superconducting (Bi,Pb) 2 Sr 2 Ca 2 Cu 3 O 10+Î´ ceramic samples processed by spark-plasma texturing. Ceramics International, 2016, 42, 13248-13255.	4.8	9
49	Magnetic properties, x-ray absorption spectroscopy and electronic structure of GdCrTiO5. Journal of Alloys and Compounds, 2017, 724, 67-73.	5.5	9
50	Microstructure and superconducting fraction in the YBa2(Cu1â˜xMnx)3O7â˜Î´. Solid State Communications, 1988, 68, 835-839.	1.9	8
51	Kinetic study of La2CuO4 formation from an oxalate precursor. Materials Letters, 1992, 13, 96-101.	2.6	8
52	On the formation of LnCeOy (Ln = Nd, Pr, Sm, Eu) solid solutions. Materials Letters, 1993, 18, 5-10.	2.6	8
53	On the diffusion of Ce into Eu2CuO4â˜y compounds. Physica C: Superconductivity and Its Applications, 1996, 267, 153-160.	1.2	8
54	Normal-state properties of uniaxially pressed Bi1.65Pb0.35Sr2Ca2Cu3O10+delta ceramics. Brazilian Journal of Physics, 2005, 35, 680-688.	1.4	8

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55	Effect of Ir substitution in the ferromagnetic superconductor RuSr2GdCu2O8. Physica C: Superconductivity and Its Applications, 2007, 454, 30-37.	1.2	8
56	Separation technology meets green chemistry: development of magnetically recoverable catalyst supports containing silica, ceria, and titania. Pure and Applied Chemistry, 2018, 90, 133-141.	1.9	8
57	Transport properties and phase separation in La0.6Y0.1Ca0.3MnO3 ceramics. Physica Status Solidi A, 2003, 199, 255-264.	1.7	7
58	Microstructural properties of Bi1.65Pb0.35Sr2Ca2Cu3O10+Î´ and Bi1.65Pb0.35Sr2CaCu2O8+Î´ ceramic samples through transport measurements: a comparative study. Physica Status Solidi A, 2005, 202, 2484-2493.	1.7	7
59	Transport Barkhausen-like noise and flux-flow regime in ceramic samples. Journal of Magnetism and Magnetic Materials, 2006, 299, 231-239.	2.3	7
60	Superparamagnetic Ni:SiO2â€“C nanocomposites films synthesized by a polymeric precursor method. Journal of Nanoparticle Research, 2011, 13, 703-710.	1.9	7
61	Metal-insulator transition in Nd1â^'xEuxNiO3: Entropy change and electronic delocalization. Journal of Applied Physics, 2015, 117, .	2.5	7
62	Guided vortex motion in YBa2Cu3O7â^'Î´ single crystals with unidirectional twins. European Physical Journal D, 1996, 46, 1751-1752.	0.4	6
63	Increased resistance below the superconducting transition in granular Sm1.83Ce0.17CuO4â^'y compounds. Physica C: Superconductivity and its Applications, 1997, 289, 265-274.	1.2	6
64	Structural, transport, and magnetic properties of Pr1.85Ce0.15CuO4â^'y prepared through different precursors. Physica C: Superconductivity and Its Applications, 2000, 333, 170-180.	1.2	6
65	Relaxation of the electrical resistivity in Cr-doped Nd_{0.5}Ca_{0.5}MnO₃single crystals. Journal of Physics Condensed Matter, 2008, 20, 215203.	1.8	6
66	Role of Dipolar Interactions and Volume Particle Size Distribution on the Nonmonotonic Magnetic Field Dependence of the Blocking Temperature in Magnetic Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 765-770.	3.1	6
67	Transport and magnetic properties of polycrystalline Nd1.85Ce0.15CuO4â^'yunder applied magnetic fields. Journal of Applied Physics, 1993, 73, 6639-6641.	2.5	5
68	Effect of superconductive destruction in YBa2Cu3 Î´ bulk bridges under the action of strong Joule self-heating. Journal of Superconductivity and Novel Magnetism, 1996, 9, 129-134.	0.5	5
69	Observation of granular superconductivity in polycrystallineSm2â^'xCexCuO4â^'y. Physical Review B, 1998, 57, 3683-3689.	3.2	5
70	The spatial distribution of temperature and oxygen deficiency in spark-plasma sintered superconducting Bi-based materials. Physica B: Condensed Matter, 2014, 455, 35-38.	2.7	5
71	Influence of spark plasma consolidation conditions on the superconducting properties of (Bi,Pb)-Sr-Ca-Cu-O ceramic samples. Ceramics International, 2016, 42, 17482-17488.	4.8	5
72	Kelvin functions for determination of magnetic susceptibility in nonmagnetic metals. Journal of Applied Physics, 1989, 65, 4505-4508.	2.5	4

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73	Transport and magnetic properties of polycrystalline Sm2â^'xCexCuO4â^'y. Journal of Applied Physics, 1994, 75, 6720-6722.	2.5	4
74	Mixed state odd Hall effect in YBa2Cu3O7?? with unidirectional twins. Journal of Low Temperature Physics, 1996, 105, 963-968.	1.4	4
75	Mol^ssbauer spectroscopy and magnetoresistivity of [sup 57]Fe substituted Mn in La[sub 0.7â^'x]Y[sub x]Ca[sub 0.3]MnO[sub 3] manganites. Journal of Applied Physics, 2002, 91, 7932.	2.5	4
76	Transport properties of granular high-T C superconductors. Brazilian Journal of Physics, 2007, 37, 1155-1159.	1.4	4
77	Eddy current decay method applied to a new geometry. Journal of Applied Physics, 1987, 61, 5237-5242.	2.5	3
78	Oxygen kinetics and superconductivity in the high-T/sub c/ oxide YBa/sub 2/Cu/sub 3/O/sub x/. IEEE Transactions on Magnetics, 1989, 25, 2171-2174.	2.1	3
79	On the formation kinetics of Bi-Sr-Co-O phases. Materials Letters, 1991, 12, 321-326.	2.6	3
80	On the transformation of Y2Cu2O5 into YCuO2. Materials Letters, 1994, 19, 177-183.	2.6	3
81	Specific heat measurements on (Nd1â^'xSmx)2CuO4 in applied magnetic fields. Journal of Magnetism and Magnetic Materials, 1995, 145, 391-394.	2.3	3
82	Reply to â€˜â€˜Comment on â€˜Double resistive superconducting transition inSm2â^'xCexCuO4â^'yâ€™ â€™â€™. Physical Review B, 1995, 51, 8650-8652.	3.2	3
83	Properties of polycrystalline (Nd1â^'xGdx)1.85Ce0.15CuO4â^'ycompounds. Journal of Applied Physics, 1997, 81, 4250-4252.	2.5	3
84	Metal-insulator transition in Nd1-xLnxNiO3compounds. Radiation Effects and Defects in Solids, 1998, 147, 101-108.	1.2	3
85	Colossal magnetoresistance in polycrystalline Pr_{1-x}Ba_xMnO₃compounds. Radiation Effects and Defects in Solids, 1998, 147, 93-100.	1.2	3
86	Structural and magnetic properties of NiS doped Bi-2212 superconductors. Physica C: Superconductivity and Its Applications, 2001, 354, 363-366.	1.2	3
87	Superconductivity in magnetically ordered Ru1-xIr xSr2GdCu2O8 compounds. Brazilian Journal of Physics, 2003, 33, 686-689.	1.4	3
88	Experimental and theoretical study of transport properties in uniaxially pressed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si39.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mtext>Bi,Pb</mml:mtext><mml:msub><mml:mrow><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	3
89	Physica C: Superconductivity and Its Applications, 2010, 470, 269-276. Transport Barkhausen-like noise in uniaxially pressed Bi1.65Pb0.35Sr2Ca2Cu3O10+ ceramic samples. Physica C: Superconductivity and Its Applications, 2010, 470, 611-616.	1.2	3
90	Structural, electronic, and magnetic entropy contributions of the orbital orderâ€“disorder transition in LaMnO₃. Phase Transitions, 2011, 84, 284-290.	1.3	3

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91	Does the pelletization pressure modify the effective anisotropy of the grains in (Bi,Pb)2223 bulk system?. Journal of Materials Science: Materials in Electronics, 2017, 28, 13058-13069.	2.2	3
92	Microstructural and electrical transport properties of uniaxially pressed $$ext {Bi}_{1.65}ext {Pb}_{0.35}ext {Sr}_2ext {Ca}_{2.5}ext {Cu}_{3.5}ext {O}_{10+delta }$$ Bi 1.65 Pb. Journal of Materials Science: Materials in Electronics, 2018, 29, 6188-6199.	2.2	3
93	Preparation and general physical properties of polycrystalline PrBa2Cu3O7-y obtained from sol-gel precursors. Brazilian Journal of Physics, 2002, 32, 731-738.	1.4	3
94	The phase angle method for electrical resistivity applied to the hollow circular cylinder geometry. Journal of Applied Physics, 1990, 67, 1167-1169.	2.5	2
95	Magnetic properties of polycrystalline Sm2â^'xCexCuO4â^'y at high magnetic fields. Journal of Applied Physics, 1996, 79, 6564.	2.5	2
96	Electrical resistivity in Bi2Sr2CaCu2O8Â±Î´ compounds synthesized via melt-casting. Physica C: Superconductivity and Its Applications, 1996, 267, 293-302.	1.2	2
97	Magnetoresistance at high magnetic fields in superconducting granular Sm1.83Ce0.17CuO4â^'y compounds. Physica C: Superconductivity and Its Applications, 2001, 354, 279-283.	1.2	2
98	SÃntese e caracterizaÃ§Ã£o de nanocompÃ³sitos Ni: SiO2 processados na forma de filmes finos. Quimica Nova, 2005, 28, 842-846.	0.3	2
99	Pressure-induced electrical and structural anomalies in Pb_{1â^'x}Ca_xTiO₃thin films grown at various oxygen pressures by chemical solution route. Journal Physics D: Applied Physics, 2008, 41, 115402.	2.8	2
100	Non-Fermi-liquid behavior in UCu4+xAl8â^'x compounds. Physica B: Condensed Matter, 2011, 406, 2061-2069.	2.7	2
101	Voltage relaxation and Abrikosovâ€“Josephson vortices in Bi-2223 superconductors doped with Î±-Al2O3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 5926-5933.	2.2	2
102	Electrical effective parameters of the grains and the Montgomery's method in $$hbox {Bi}_{1.65}hbox {Pb}_{0.35}hbox {Sr}_2hbox {Ca}_{2.5}hbox {Cu}_{3.5}hbox {O}_y$$ Bi 1.65 Pb. Journal of Materials Science: Materials in Electronics, 2018, 29, 14322-14327.	2.2	2
103	Substitution of Mn for Cu in the high T/sub c/ superconductor YBa/sub 2/Cu/sub 3/O/sub 7- delta /. IEEE Transactions on Magnetics, 1989, 25, 2307-2310.	2.1	1
104	Formation kinetics of polycrystalline Eu2â^'xCexCuO4â^'yobtained from a solâ€gel precursor. Journal of Applied Physics, 1994, 76, 6585-6587.	2.5	1
105	CuK-EDGE STUDIES OF THE CHARGE CARRIES IN Th-DOPED CUPRATE SYSTEM R2-xThxCuO4-Î´ (R=Nd, Sm AND) Tj ETQq1 1 0.784314 rg	2.0	1
106	Intragranular defects and Abrikosovâ€“Josephson vortices in Bi-2223 bulk superconductors. Journal of Materials Science: Materials in Electronics, 2017, 28, 15246-15251.	2.2	1
107	Influence of the spark-plasma texturing conditions on the intragranular features of Bi-2223 ceramic samples. Journal of Materials Science: Materials in Electronics, 2019, 30, 6984-6992.	2.2	1
108	Magnetic properties and superconductivity in Ceâ€doped (Nd1â^'xGdx)2CuO4 (abstract). Journal of Applied Physics, 1991, 69, 4903-4903.	2.5	0

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109	Evidence of hopping of charge carriers in the clustered state of manganites. Journal of Non-Crystalline Solids, 2006, 352, 3725-3728.	3.1	0
110	Temperature dependence of the in-plane and grains resistivities in Bi-2223 polycrystalline superconductors. Journal of Materials Science: Materials in Electronics, 2019, 30, 14320-14324.	2.2	0
111	MagnetorresistÃªncia colossal em La5/8-yPr yCa3/8MnO3. Ceramica, 2007, 53, 279-283.	0.8	0
112	Current-tuned superconductor to insulator transition in granular Sm1.82Ce0.18CuO4-delta superconductor. Brazilian Journal of Physics, 2007, 37, 1160-1163.	1.4	0