

# Marcos T D Orlando

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

1,483  
citations

23  
h-index

34  
g-index

104  
ext. papers

1,617  
ext. citations

2.8  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
99	Microstructural analysis and mechanical behavior of the HAZ in an API 5L X70 steel welded by GMAW process. <i>Welding in the World, Le Soudage Dans Le Monde</i> , <b>2021</b> , 65, 1051-1060	1.9	2
98	Microstructure, crystallographic texture and strain hardening behavior in hot tensile tests of UNS S32304 Lean Duplex stainless steel. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 12, 1065-1079	5.5	6
97	An equivalent work-hardening description of an interstitial-free steel sheet based on uniaxial tensile and hydraulic bulge tests. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 13, 2138-2143	5.5	1
96	Characterization of Nanostructured Mn-Zn Ferrites Synthesized by Coprecipitation Method Using CTAB. <i>Materials Science Forum</i> , <b>2020</b> , 1012, 207-211	0.4	
95	Microstructure, Crystallographic Texture, and Stretch-Flangeability of Hot-Rolled Multiphase Steel. <i>Steel Research International</i> , <b>2020</b> , 91, 1900591	1.6	4
94	Evaluation of induced biological effects in rats by continuous and natural gamma radiation using a physical simulator. <i>International Journal of Radiation Biology</i> , <b>2020</b> , 96, 1473-1485	2.9	1
93	PROVENANCE AND ALTERATION OF GLACIAL SEDIMENTS IN KING GEORGE ISLAND, ANTARCTICA. <i>Journal of Sedimentary Environments</i> , <b>2019</b> , 4, 124-142	1.4	
92	Use of inorganic and organic markers associated with their directionality for the apportionment of highly correlated sources of particulate matter. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 1332-1343	10.2	18
91	Exotic magnetism and spin-orbit-assisted Mott insulating state in a 3dBd double perovskite. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	8
90	Correlation among the effective mass ( $m^*$ ), $\lambda_{ab}$ and $T_c$ of superconducting cuprates in a Casimir energy scenario. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2018</b> , 382, 1486-1491	2.3	1
89	Trends in analytical techniques applied to particulate matter characterization: A critical review of fundamentals and applications. <i>Chemosphere</i> , <b>2018</b> , 199, 546-568	8.4	30
88	Resonant Synchrotron X-ray Diffraction determines markers for iron-rich atmospheric particulate matter in urban region. <i>Chemosphere</i> , <b>2018</b> , 212, 418-428	8.4	10
87	Progress of negative air ions in health tourism environments applications. <i>Boletim De La Sociedad Española De Hidrologia Médica</i> , <b>2018</b> , 33, 27-46	3	3
86	The Varre-Sai chondrite, a Brazilian fall: petrology and geochemistry. <i>International Geology Review</i> , <b>2017</b> , 59, 1966-1973	2.3	
85	Nanostructured SBA-15 silica: An effective protective vehicle to oral hepatitis B vaccine immunization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 2241-2250	6	23
84	Effects of yttrium doping in ordered double perovskite Sr <sub>2</sub> CrReO <sub>6</sub> . <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 687, 463-469	5.7	2
83	Performance of a Polycrystalline SmBaCuO Superconducting Fault Current Limiter. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 2945-2952	1.5	1

82	Critical Current Model for Polycrystalline Compounds with an Intrinsic Solid Solution of Two Mixed Superconductor Phases. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1875-1880	1.5	1
81	A quantum theory for the excitation spectrum of a rectangular Andreev billiard. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 574, 012044	0.3	
80	The gauge sector of the SME with Lorentz-symmetry violation by symplectic projector method. <i>Modern Physics Letters A</i> , <b>2015</b> , 30, 1550191	1.3	
79	Two Mixed Superconducting Phases in (Hg, Re)-1223 Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2014</b> , 27, 2679-2684	1.5	2
78	A novel induction motor starting method using superconduction. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 507, 95-102	1.3	4
77	Development and Test of a Small Resistive Fault Current Limiting Device Based on a SmBaCuO Ceramic. <i>Advanced Materials Research</i> , <b>2014</b> , 975, 173-178	0.5	
76	Influence of ethyl alcohol in the preparation, morphology and properties of compound $\text{DASrEu}_3^+$ and its thermal degradation products. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 114, 537-547	4.1	5
75	Structural and magnetic investigation of $\text{Ca}_2\text{MnReO}_6$ doped with Ce. <i>Ceramica</i> , <b>2013</b> , 59, 262-268	1	4
74	Investigation of the KF-type Lorentz-symmetry breaking gauge models with vortexlike configurations. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	36
73	Spin-electron-phonon excitation in Re-based half-metallic double perovskites. <i>Physical Review Letters</i> , <b>2012</b> , 108, 177202	7.4	17
72	$\text{Hg}_{0.8}\text{Re}_{0.2}\text{Ba}_2\text{Ca}_2\text{Cu}$ 308.8 thick film produced by Laser Ablation. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , <b>2011</b> , 10, 114-120	0.7	2
71	Effect of pressure on the structure and electrical conductivity of cardanol/furfural/polyaniline blends. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 2666-2673	2.9	23
70	Noncommutative fluid dynamics in the Kähler parametrization. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	10
69	Aharonov-Bohm-Casher problem with a nonminimal Lorentz-violating coupling. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	69
68	Model for Analysis of Biaxial and Triaxial Stresses by X-ray Diffraction Assuming Orthotropic Materials. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 056601	1.4	3
67	Synthesis and structural characterization of the $\text{Ca}_2\text{MnReO}_6$ double perovskite. <i>Ceramica</i> , <b>2010</b> , 56, 193-200		17
66	Pressure effect on $\text{Hg-12(n)}_n$ superconductors and Casimir effect in nanometer scale. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2009</b> , 42, 025502	2	7
65	Pressure study of monoclinic $\text{ReO}_2$ up to 1.2 GPa using X-ray absorption spectroscopy and X-ray diffraction. <i>Journal of Synchrotron Radiation</i> , <b>2009</b> , 16, 48-56	2.4	8

64	Description of the transport critical current density behavior of polycrystalline superconductors as a function of the applied magnetic field. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 3123-3126	2.8	6
63	Magnetic moment generation from non-minimal couplings in a scenario with Lorentz-symmetry violation. <i>European Physical Journal C</i> , <b>2009</b> , 62, 425-432	4.2	93
62	Evidence for magnetic phase separation in $\text{La}_{0.86}\text{Sr}_{0.14}\text{Mn}_{1-x}\text{Cu}_x\text{O}_{3+\delta}$ manganites from NMR and magnetic measurements. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 095214	1.8	4
61	Crystal structure refinement of Co-doped lanthanum chromites. <i>Powder Diffraction</i> , <b>2008</b> , 23, S18-S22	1.8	25
60	Study of calcium oxalate monohydrate of kidney stones by X-ray diffraction. <i>Powder Diffraction</i> , <b>2008</b> , 23, S59-S64	1.8	21
59	Study on the crystal structure of the high $T_c$ superconductor $(\text{Hg,Re})_{1-223}$ . <i>Powder Diffraction</i> , <b>2008</b> , 23, S23-S29	1.8	2
58	Study of the crystal structure of the high $T_c$ superconductor $\text{Hg}_{1-x}\text{Re}_x\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+\delta}$ by using EXAFS, XANES and XRD. <i>Materials Research</i> , <b>2008</b> , 11, 131-135	1.5	2
57	Effects of Y doping on the $(\text{Hg,Re})$ -1212 superconductor properties. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 728-729	1.3	
56	An investigation of $T^*$ behavior on $(\text{Hg,Re})$ -1223 system. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 1086-1087	1.3	2
55	Phase segregation of $(\text{Hg,Re})$ -1223 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 1182-1183	1.3	1
54	$N=1$ -supersymmetric quantum mechanics in a scenario with Lorentz-symmetry violation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 370, 126-130	2.3	9
53	Application of the $(\text{Hg,Re})$ -1223 ceramic on superconducting fault current limiter. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 1451-1452	1.3	4
52	Viola da simetria de Lorentz. <i>Revista Brasileira De Ensino De Fisica</i> , <b>2007</b> , 29, 57-64	0.4	12
51	Superconducting fault current limiter device based on $(\text{Hg,Re})$ -1223 superconductor. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 242503	3.4	5
50	Resistivity study of the pseudogap phase for $(\text{Hg,Re})$ -1223 superconductors. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	37
49	The influence of oxygen partial pressure on growth of the $(\text{Hg,Re})$ -1223 intergrain junction. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2006</b> , 16, 15-20	1.8	12
48	LORENTZ-SYMMETRY VIOLATION AND ELECTRICALLY CHARGED VORTICES IN THE PLANAR REGIME. <i>International Journal of Modern Physics A</i> , <b>2006</b> , 21, 2415-2429	1.2	19
47	Distortion of $\text{ReO}_6$ octahedron in the $\text{Hg}_{0.82}\text{Re}_{0.18}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+\delta}$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 434, 53-61	1.3	16

46	A comment on the topological phase for anti-particles in a Lorentz-violating environment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 675-678	4.2	52
45	Effects of oxygen content on the pinning energy and critical current in the granular (Hg, Re)-1223 superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2005</b> , 419, 25-31	1.3	28
44	Refinement of monoclinic ReO <sub>2</sub> structure from XRD by Rietveld method. <i>Brazilian Journal of Physics</i> , <b>2004</b> , 34, 1208-1210	1.2	14
43	Inactivation of <i>Colletotrichum gloeosporioides</i> spores by high hydrostatic pressure combined with citral or lemongrass essential oil. <i>International Journal of Food Microbiology</i> , <b>2004</b> , 95, 61-6	5.8	39
42	Pressure and magnetic field effects on the transport critical current in Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + $\delta$ ceramic superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 756-758	1.3	
41	Transport properties of YBCO, HBCCO, TBCCO and BSCCO superconducting polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 585-586	1.3	2
40	Induction of baroresistance by hydrogen peroxide, ethanol and cold-shock in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , <b>2004</b> , 233, 139-45	2.9	31
39	The resistive transition of (Hg <sub>0.85</sub> Re <sub>0.15</sub> )(Ba <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + $\delta$ superconducting polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 383, 365-373	1.3	20
38	Pressure effects on the intergrain coupling in (Tl <sub>0.5</sub> Pb <sub>0.5</sub> )(Ba <sub>0.2</sub> Sr <sub>0.8</sub> ) <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> ceramic superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 384, 102-110	1.3	6
37	Role of nitric oxide in the response of <i>Saccharomyces cerevisiae</i> cells to heat shock and high hydrostatic pressure. <i>FEMS Yeast Research</i> , <b>2003</b> , 3, 341-6	3.1	40
36	Hysteresis and relaxation in TlBa <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconducting polycrystals. <i>Superconductor Science and Technology</i> , <b>2003</b> , 16, 857-864	3.1	20
35	Dimensional reduction of a Lorentz- and CPT-violating Maxwell-Chern-Simons model. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	54
34	Classical solutions in a Lorentz-violating Maxwell-Chern-Simons electrodynamics. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	42
33	Electric and magnetic properties of Cu-doped LaBr manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 668-671	2.8	7
32	Magnetic irreversibility in (Hg <sub>1-x</sub> Re <sub>x</sub> )Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + $\delta$ effects of neutron irradiation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 371, 224-228	1.3	6
31	Structure and magnetotransport properties in plasma-sprayed La <sub>0.78</sub> Sr <sub>0.22</sub> MnO <sub>3</sub> thick film. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 246, 10-15	2.8	2
30	Pressure dependence of the transport critical current density in optimally doped Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + $\delta$ polycrystalline compound. <i>Solid State Communications</i> , <b>2002</b> , 123, 405-409 <sup>1.6</sup>		6
29	Effects of oxygen content on the properties of the Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + $\delta$ superconductor. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 1177-1183	3.1	23

28	Evidences for Tsallis non-extensivity on CMR manganites. <i>Europhysics Letters</i> , <b>2002</b> , 58, 42-48	1.6	26
27	Effects of Ferromagnetic Inclusions on <sup>13</sup> C MAS NMR Spectra of Heat-Treated Peat Samples. <i>Energy &amp; Fuels</i> , <b>2002</b> , 16, 1068-1075	4.1	22
26	Pressure studies on the pseudogap and critical temperatures of a high-T <sub>c</sub> superconductor. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	50
25	Rhenium effect in the formation and stability of HgCaO <sub>2</sub> and Hg <sub>1-x</sub> Re <sub>x</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 356, 97-106	1.3	6
24	Transport critical current in granular samples under high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 364-365, 347-349	1.3	7
23	Hg,Re-1223 system: T <sub>c</sub> dependence on hydrostatic pressure and thermopower measurements. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 364-365, 350-352	1.3	7
22	Hall effect and longitudinal conductivity in a Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> superconductor. <i>Superconductor Science and Technology</i> , <b>2001</b> , 14, 898-903	3.1	11
21	Anisotropic quantum critical behavior in CeCoGe <sub>3-x</sub> Si <sub>x</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	65
20	Pressure and magnetic-field effects on the onset of dissipation in Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> ceramic superconductors. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	5
19	Quantum critical point in CeCo(Ge <sub>1-x</sub> Si <sub>x</sub> ) <sub>3</sub> : Oral Presentation. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 281-282, 340-342	2.8	25
18	Influence of the pressure on the onset of the dissipation in Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> ceramic superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 485-486	1.3	
17	Hall effect in a Hg(Re)-1223 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1043-1044	1.3	1
16	The use of a thermobaric analyzer at synthesis of the HgCaO <sub>2</sub> and superconductor Hg-1223 inside sealed quartz tubes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 2469-2470	1.3	2
15	Magnetic hysteresis of Re-doped HBCCO polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1481-1482	1.3	
14	Hysteresis of the critical current density in YBCO, HBCCO and BSCCO superconducting polycrystals: a comparative study. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 331, 57-66	1.3	19
13	Hg <sub>0.95</sub> Re <sub>0.05</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> superconductor: sample preparation and transport properties under hydrostatic pressure. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 140-147	3.1	10
12	A novel thermobaric analyser: in situ measurement of gas pressure during synthesis in sealed quartz tube at high temperatures. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 1549-1552	3.1	3
11	Effect of hydrostatic pressure on HgBa <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> superconductor doped with Re. <i>Physical Review B</i> , <b>2000</b> , 61, 15454-15461	3.3	9

10	Influence of precursor oxygen stoichiometry on the formation of Hg, Re-1223 superconductors. <i>Superconductor Science and Technology</i> , <b>1999</b> , 12, 120-127	3-1	37
9	Processing and superconducting properties of Hg <sub>1-x</sub> Re <sub>x</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> . <i>Superconductor Science and Technology</i> , <b>1999</b> , 12, 1175-1178	3-1	3
8	Relaxation of the transport critical current in high-T <sub>c</sub> polycrystals. <i>Physical Review B</i> , <b>1999</b> , 60, 3673-3679	3-3	17
7	Magnetic hysteresis of the zero-resistance critical temperature in YBaCuO, BiSrCaCuO and HgBaCaCuO superconducting polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1999</b> , 314, 73-80	1-3	13
6	Improvement of superconducting (Hg,Re)-1223 ceramics synthesised by the sealed quartz tube technique. <i>Physica C: Superconductivity and Its Applications</i> , <b>1999</b> , 328, 80-88	1-3	20
5	Effects of re-doping on superconducting properties and formation of Hg-1223 superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1999</b> , 328, 257-269	1-3	17
4	Pressure-Controlled Synthesis of the Hg <sub>0.82</sub> Re <sub>0.18</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> Superconductor. <i>Advanced Materials</i> , <b>1998</b> , 10, 1126-1129	24	41
3	Formation and stability of HgCaO <sub>2</sub> , a competing phase in the synthesis of Hg <sub>1-x</sub> Re <sub>x</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8+δ</sub> Superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>1998</b> , 306, 34-46	1-3	44
2	Magnetic properties of amorphous YFe <sub>2</sub> obtained by milling. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 274, 23-28	5-7	11
1	Optimization of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting thick layers produced by plasma spray technique. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 489-490	1-3	3