Antonio Vecchione

List of Publications by Year
in descending order

177	2,377	218677	302126
papers	citations	26 h-index	39 g-index

178	178	178	2642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Femtosecond Laser Surface Structuring with Optical Vortex Beams Generated by a q-plate. Scientific Reports, 2015, 5, 17929.	3.3	118
2	Surface structures induced by ultrashort laser pulses: Formation mechanisms of ripples and grooves. Applied Surface Science, 2015, 353, 1214-1222.	6.1	76
3	Colorimetric Immunosensor by Aggregation of Photochemically Functionalized Gold Nanoparticles. ACS Omega, 2018, 3, 3805-3812.	3.5	67
4	Hallmarks of Hunds coupling in the Mott insulator Ca2RuO4. Nature Communications, 2017, 8, 15176.	12.8	66
5	Optical Response of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Universal Fermi-Liquid Scaling and Quasiparticles Beyond Landau Theory. Physical Review Letters, 2014, 113, 087404.	7.8	61
6	Femtosecond laser surface structuring of silicon using optical vortex beams generated by a q-plate. Applied Physics Letters, 2014, 104, .	3.3	58
7	Femtosecond laser surface structuring of silicon with Gaussian and optical vortex beams. Applied Surface Science, 2017, 418, 565-571.	6.1	56
8	Laser surface texturing of copper and variation of the wetting response with the laser pulse fluence. Applied Surface Science, 2019, 470, 817-824.	6.1	53
9	Laser ablation of silicon induced by a femtosecond optical vortex beam. Optics Letters, 2015, 40, 4611.	3.3	51
10	A new approach for improving global critical current density in Fe(Se_{0.5}Te_{0.5}) polycrystalline materials. Superconductor Science and Technology, 2012, 25, 115018.	3.5	48
11	Surface Structuring with Polarization-Singular Femtosecond Laser Beams Generated by a q-plate. Scientific Reports, 2017, 7, 42142.	3.3	48
12	Spin-orbit-induced orbital excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Sr</mml:mtext><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Ca</mml:mtext><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> A resonant inelastic x-ray sca. Physical Review B, 2015, 91, .	3.2	46
13	On the generation of grooves on crystalline silicon irradiated by femtosecond laser pulses. Optics Express, 2016, 24, 3238.	3.4	45
14	Designing antiphase boundaries by atomic control of heterointerfaces. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9485-9490.	7.1	43
15	Flux Origin of Random Telegraph Voltage Signals in High- T _c Superconducting Thin Films. Europhysics Letters, 1993, 21, 947-952.	2.0	35
16	Renormalized band structure of Sr2RuO4: A quasiparticle tight-binding approach. Journal of Electron Spectroscopy and Related Phenomena, 2013, 191, 48-53.	1.7	34
17	Nanoscale engineering of two-dimensional disordered hyperuniform block-copolymer assemblies. Physical Review E, 2015, 92, 050601.	2.1	33
18	Spin-Orbital Excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Revealed by Resonant Inelastic X-Ray Scattering. Physical Review X, 2018, 8, .	8.9	33

#	Article	IF	Citations
19	Crystal growth of the new Sr2RuO4â€“Sr3Ru2O7 eutectic system by a floating-zone method. Journal of Crystal Growth, 2005, 282, 152-159.	1.5	32
20	Electronic structure trends in the Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>n</mml:mi><mml:mo>+</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:ma xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math x	3.2	32
21	Surface structures with unconventional patterns and shapes generated by femtosecond structured light fields. Scientific Reports, 2018, 8, 13613.	3.3	32
22	Magnetic anisotropy and orbital ordering in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>RuO4. Physical Review B, 2018, 98, .	3.2	31
23	Effects of ambient air pressure on surface structures produced by ultrashort laser pulse irradiation. Optics Letters, 2017, 42, 2710.	3.3	30
24	Direct femtosecond laser ablation of copper with an optical vortex beam. Journal of Applied Physics, 2014, 116, .	2.5	29
25	Pinning energy and irreversibility line in superconducting GdSr2RuCu2O8. Physica C: Superconductivity and Its Applications, 2004, 411, 126-135.	1.2	28
26	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, .	3.2	27
27	Superconductivity in Sr 2 RuO 4 -Sr 3 Ru 2 O 7 eutectic crystals. Europhysics Letters, 2008, 83, 27007.	2.0	26
28	Evidence of double-gap superconductivity in noncentrosymmetric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nb</mml:mi><mml:mrow><mml:mn>0.18</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> crystals. Physical Review B, 2015, 91, .	3.2	26
29	Metal-insulator transition temperature enhancement in La0.7Ca0.3MnO3 thin films. Journal of Applied Physics, 2005, 97, 103712.	2.5	25
30	Detection of the flux creep regime in the AC susceptibility curves by using higher harmonic response. Physica C: Superconductivity and Its Applications, 2000, 332, 378-382.	1.2	24
31	Ferromagnetic nanoclusters observed by ac and dc magnetic measurements inRuSr2GdCu2O8samples. Physical Review B, 2006, 73, .	3.2	24
32	Water Resistant Self-Extinguishing Low Frequency Soundproofing Polyvinylpyrrolidone Based Electrospun Blankets. Polymers, 2019, 11, 1205.	4.5	23
33	Quantum phase slips in superconducting Nb nanowire networks deposited on self-assembled Si templates. Applied Physics Letters, 2012, 101, .	3.3	22
34	Double metamagnetic transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Ru</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>10</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	22
35	Spin-orbital nature of the high-field magnetic state in theSr4Ru3O10. Physical Review B, 2016, 93, .	3.2	21
36	Simple method for the characterization of intense Laguerre-Gauss vector vortex beams. Applied Physics Letters, 2018, 112, .	3.3	21

#	Article	IF	Citations
37	Emergence of a metallic metastable phase induced by electrical current in Ca2RuO4. Physical Review B, 2019, 100, .	3.2	21
38	Comparative study of initial stages of copper immersion deposition on bulk and porous silicon. Nanoscale Research Letters, 2013, 8, 85.	5.7	20
39	Nature of the apical and planar oxygen bonds in the Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mi>n</mml:mi><mml:mo>+</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:math>Ru<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>n</mml:mi></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	19
40	Crystal Growth of a Lamellar Sr₃Ru₂O₇â€“Sr₄Ru₃O₁₀ Eutectic System. Crystal Growth and Design, 2007, 7, 2495-2499.	3.0	18
41	Crystalline phase orientation in biaxially stretched isotactic polypropylene films. Macromolecular Symposia, 2002, 185, 53-63.	0.7	17
42	Subterahertz electrodynamics of the graphenelike superconductor CaAlSi. Physical Review B, 2008, 77, .	3.2	17
43	Multiple superconducting transitions in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn> Physical Review B, 2008, 77, .	3.2	17
44	Neutron diffraction study of triple-layered Sr₄Ru₃O₁₀. Journal of Physics Condensed Matter, 2013, 25, 056004.	1.8	17
45	Nanometal Skin of Plasmonic Heterostructures for Highly Efficient Near-Field Scattering Probes. Scientific Reports, 2016, 6, 31113.	3.3	17
46	Direct ultrashort laser surface structuring of silicon in air and vacuum at 1055 nm. Applied Surface Science, 2017, 417, 149-154.	6.1	17
47	Femtosecond laser surface irradiation of silicon in air: Pulse repetition rate influence on crater features and surface texture. Optics and Laser Technology, 2020, 126, 106073.	4.6	17
48	Secondary electron yield reduction by femtosecond pulse laser-induced periodic surface structuring. Surfaces and Interfaces, 2021, 25, 101179.	3.0	17
49	Surface and bulk electronic structure of the unconventional superconductor Sr₂RuO₄: unusual splitting of theÎ²band. New Journal of Physics, 2012, 14, 063039.	2.9	16
50	Correlation between structural and transport properties in epitaxial films of Nd2â^'xCexCuO4Â±Î´. Thin Solid Films, 2012, 524, 282-289.	1.8	16
51	Plume shielding effects in ultrafast laser surface texturing of silicon at high repetition rate in air. Applied Surface Science, 2019, 488, 128-133.	6.1	16
52	Orbitally selective breakdown of Fermi liquid quasiparticles in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mrow /></mml:msub><mml:mn>1.8</mml:m Physical Review B, 2019, 99, .	3.2	16
53	Pairing state in the ruthenocuprate superconductorRuSr2GdCu2O8: A point-contact Andreev reflection spectroscopy study. Physical Review B, 2006, 73, .	3.2	15
54	Structural characterization of nanoparticles-assembled titanium dioxide films produced by ultrafast laser ablation and deposition in background oxygen. Applied Surface Science, 2013, 270, 307-311.	6.1	15

#	Article	IF	Citations
55	Influence of ambient pressure on surface structures generated by ultrashort laser pulse irradiation. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	15
56	Vector vortex beams generated by q-plates as a versatile route to direct fs laser surface structuring. Applied Surface Science, 2019, 471, 1028-1033.	6.1	15
57	Anisotropic optical conductivity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2008, 78, .	3.2	14
58	Î¼SR studies of superconductivity in eutectically grown mixed ruthenates. Physical Review B, 2012, 85, .	3.2	14
59	Piezoelectricity and charge trapping in ZnO and Co-doped ZnO thin films. AIP Advances, 2017, 7, .	1.3	14
60	Thermal treatments and evolution of bulk Nd1.85Ce0.15CuO4 morphology. Physica C: Superconductivity and Its Applications, 2008, 468, 2271-2274.	1.2	13
61	Multiple order parameter configurations in superconductor/ferromagnet multilayers. Physical Review B, 2011, 84, .	3.2	13
62	Anisotropic optical conductivity of Sr4Ru3O10. Physical Review B, 2012, 85, .	3.2	13
63	Fabrication of superconducting Nd2â^'xCexCuO4Â±Î´ films by automated dc sputtering technique. Physica C: Superconductivity and Its Applications, 2013, 495, 146-152.	1.2	12
64	Optical spectra of LaMn0.5Ga0.5O3: A contribution to the assignment of the electronic transitions in manganites. Physica B: Condensed Matter, 2014, 433, 102-106.	2.7	11
65	Raman phonon spectrum of the Dzyaloshinskii-Moriya helimagnetBa2CuGe2O7. Physical Review B, 2015, 91, .	3.2	11
66	Dilatometric study of the metamagnetic and ferromagnetic phases in the triple-layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>4</mml:mn></mml:r mathvariant="normal">O</mml:mi><mml:mn>10</mml:mn></mml:msub></mml:mrow></mml:math> system. Physical Review B, 2016, 94, .	3.2	11
67	Electronic reconstruction forming a C2-symmetric Dirac semimetal in Ca3Ru2O7. Npj Quantum Materials, 2021, 6, .	5.2	11
68	Magneticâ€Field Tunable Intertwined Checkerboard Charge Order and Nematicity in the Surface Layer of Sr₂RuO₄. Advanced Materials, 2021, 33, e2100593.	21.0	11
69	Unveiling unconventional magnetism at the surface of Sr2RuO4. Nature Communications, 2021, 12, 5792.	12.8	11
70	Low frequency transport measurements in $ mathsf {GdSr_2RuCu_2O_8}$. European Physical Journal B, 2003, 31, 151-157.	1.5	10
71	Reactivity between Nd1ÂxBa2ÂxCu3O7ÂÂÂx/2and Nd4Â2zBa2Â2zCu2ÂzO10Â2zphases in superconducting NdBaCuO powders and melt textured bulk samples. Superconductor Science and Technology, 2003, 16, 865-870.	3.5	10
72	Melt-textured GdSr2RuCu2O8 samples: preliminary results. Physica C: Superconductivity and Its Applications, 2004, 408-410, 189-190.	1.2	10

#	Article	IF	Citations
73	Laser ablation and deposition of titanium dioxide with ultrashort pulses at 527Ânm. Applied Physics B: Lasers and Optics, 2015, 119, 445-452.	2.2	10
74	Missing magnetism in Sr4Ru3O10: Indication for Antisymmetric Exchange Interaction. Scientific Reports, 2017, 7, 3867.	3.3	10
75	Quasi-particle interference of the van Hove singularity in Sr2RuO4. Npj Quantum Materials, 2021, 6, .	5.2	10
76	A comparison of the processes involved in the direct synthesis of GdSr2RuCu2Ox and NdSr2RuCu2Oy perovskites. Physica C: Superconductivity and Its Applications, 2004, 408-410, 193-194.	1.2	9
77	Thermal characterization of GdSr2RuCu2Oy-based mixtures in the GdSr2RuO6â€“CuO pseudobinary system. Journal of Materials Research, 2007, 22, 1579-1584.	2.6	9
78	Nonlocal voltage effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mr Physical Review B, 2009, 79, .	3.2	9
79	Transport and optical properties of epitaxial Nd1.83Ce0.17Cu04â^'Î´thin films. Journal of Physics: Conference Series, 2014, 507, 012018.	0.4	9
80	Laser ablation and structuring of CdZnTe with femtosecond laser pulses. Journal of Materials Science and Technology, 2020, 48, 180-185.	10.7	9
81	Activation energy in La0.7Ca0.3MnO3/YBa2Cu3O7-Î´ / La0.7Ca0.3MnO3 superconducting trilayers. European Physical Journal B, 2006, 51, 79-85.	1.5	8
82	Granularity and Linear Flux Dynamics in Sintered LaO0.92F0.08FeAs. Journal of Superconductivity and Novel Magnetism, 2009, 22, 609-612.	1.8	8
83	Transport properties in aggregates of Nb nanowires templated by carbon nanotube films. Carbon, 2016, 105, 544-550.	10.3	8
84	Characterization of Nd2â^'xCexCuO4Â±Î´ (x = 0 and 0.15) Ultrathin Films Grown by DC Sputtering Technique. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	8
85	Directional solidification of bulk (Y,Sm,Nd)/sub 1/Ba/sub 2/Cu/sub 3/O/sub 7-x/. IEEE Transactions on Applied Superconductivity, 1997, 7, 1797-1800.	1.7	7
86	Correlation between the formation of growth bands and Nd210 addition in Nd/sub 1/Ba/sub 2/Cu/sub 3/O//sub 7-Î³/ bulk samples. IEEE Transactions on Applied Superconductivity, 2003, 13, 3169-3172.	1.7	7
87	Structural and electrical characterization of magnetoresistive La0.7Ca0.3MnO3 thin films. Journal of Magnetism and Magnetic Materials, 2003, 262, 150-153.	2.3	7
88	Atomic structure of functional interfaces in Sr2RuO4/Sr3Ru2O7 eutectic crystals. Applied Physics Letters, 2009, 95, 142507.	3.3	7
89	Optical investigation of LaMnO3 thin films: a study of the 2-eV band. European Physical Journal B, 2011, 79, 435-441.	1.5	7
90	Floating zone growth of eutectic Sr_{n+1}Ru_nO_{3n+1} crystals. Crystal Research and Technology, 2011, 46, 769-772.	1.3	7

#	Article	IF	Citations
91	Angle-resolved Photoemission Spectroscopy At Ultra-low Temperatures. Journal of Visualized Experiments, 2012, , .	0.3	7
92	Deep pinning centres in Bîî—¸Srî—¸Caî—¸Cuî—¸O thin films at weak magnetic fields. Cryogenics, 1992, 32, 1093-1097.	1.7	6
93	Amplitudes of random telegraph noise in HTSC thin films. Physica B: Condensed Matter, 1994, 194-196, 2037-2038.	2.7	6
94	Intrinsic high-TcJosephson junctions in random-telegraph-noise fluctuators. Physical Review B, 1996, 53, 90-93.	3.2	6
95	Fabrication of Neodymium-Based Superconducting Bulk Materials. International Journal of Modern Physics B, 2000, 14, 2670-2675.	2.0	6
96	Study of morphological and structural properties of multi-seeded NdBaCuO samples. IEEE Transactions on Applied Superconductivity, 2001, 11, 3517-3520.	1.7	6
97	Crystal structure and morphology of the NdSr 2 RuCu 2 O y compound. European Physical Journal B, 2002, 26, 51-55.	1.5	6
98	SYNTHESIS, MORPHOLOGY AND STRUCTURAL PROPERTIES OF (GD,ND)SR2RUCU2O8 SAMPLES. International Journal of Modern Physics B, 2003, 17, 899-904.	2.0	6
99	Identification of Nd163 phase in melt-textured NdBa₂Cu₃O_{7â˜Î´}bulk samples. Journal of Materials Research, 2003, 18, 2050-2054.	2.6	6
100	Mechanical Fragility and Tri-Dimensional Crack Structure in NdBaCuO Top Seeded and Multi-Seeded Melt-Textured Samples. IEEE Transactions on Applied Superconductivity, 2005, 15, 3137-3140.	1.7	6
101	Morphological and Structural Study on<tex>$rm GdSr_2rm RuCu_2rm O_8$</tex>Melt-Textured Samples. IEEE Transactions on Applied Superconductivity, 2005, 15, 3149-3152.	1.7	6
102	Toward intrinsic functionalities of bilayered ruthenate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2009, 80, .	3.2	6
103	Structural, electrical and magnetic characterization of artificial ferromagnetic/superconducting (La0.7Ca0.3MnO3/YBa2Cu3O7â˜x) heterostructures. Journal of Physics Condensed Matter, 2009, 21, 254205.	1.8	6
104	Superconductive niobium films coating carbon nanotube fibers. Superconductor Science and Technology, 2014, 27, 115006.	3.5	6
105	Harmonic Analysis of the AC Magnetic Response on Directionally Solidified YBaCuO Samples. International Journal of Modern Physics B, 1999, 13, 1101-1106.	2.0	5
106	Study of structural properties and morphology of multi-seeded NdBaCuO bars. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1141-1144.	1.2	5
107	Crystal structures, magnetic and superconducting properties of the RuSr2NdCu2Ox and RuSr2GdCu2Oy compounds. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1229-1231.	1.2	5
108	Point-contact spectroscopy on RuSr2GdCu2O8. Journal of Physics and Chemistry of Solids, 2006, 67, 384-386.	4.0	5

#	Article	IF	Citations
109	A simple statistical phenomenological model for cation substitutions in Nd₁₊_xBa_{2â^'}_xCu₃O_{7â^'Î´}. Philosophical Magazine, 2008, 88, 1389-1399.	1.6	5
110	Impact of the Starting Powder Composition on ${m GdSr}_{2}{m RuCu}_{2}{m O}_{8}$ Melt-Textured Processes. IEEE Transactions on Applied Superconductivity, 2009, 19, 2945-2948.	1.7	5
111	X-ray scattering study of interfacial roughness in Nb/PdNi multilayers. Surface Science, 2011, 605, 1791-1796.	1.9	5
112	Electric noise properties of optimally doped Nd_{1.85}Ce_{0.15}CuO₄superconducting thin films. Superconductor Science and Technology, 2011, 24, 085003.	3.5	5
113	Effect of double substitution on structural and magnetic properties of Y1â^'xCaxBa2(Cu1â^'yMgy)3O7â^'Î´. Physica C: Superconductivity and Its Applications, 2012, 477, 36-42.	1.2	5
114	Infrared phonon spectrum of the tetragonal helimagnetBa2CuGe2O7. Physical Review B, 2014, 90, .	3.2	5
115	Crystal growth and characterization of the non-centrosymmetric antiferromagnet Ba2CuGe2O7. Journal of Crystal Growth, 2014, 404, 223-230.	1.5	5
116	Electronic bands and optical conductivity of the Dzyaloshinsky-Moriya multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	3.2	5
117	Crystal growth of the Ca2RuO4â€“Ru metal system by the floating-zone technique. Journal of Alloys and Compounds, 2020, 832, 154890.	5.5	5
118	Crossover from thermally activated to steady flow in the vortex dynamics of Bi2Sr2CaCu2O8+xthin films. Superconductor Science and Technology, 1999, 12, 533-537.	3.5	4
119	Thermal properties of GdSr2RuCu2O8â^'Î´ based mixtures in the GdSr2RuO6â€“CuO pseudo-binary system. Physica C: Superconductivity and Its Applications, 2007, 460-462, 522-523.	1.2	4
120	An EXAFS study of RuSr2GdCu2O8: Evidence of magnetoelastic coupling. Physica C: Superconductivity and Its Applications, 2007, 467, 167-173.	1.2	4
121	Structure, morphology and composition of natural junctions of Sr2RuO4â€“Sr3Ru2O7eutectic crystals. Journal of Physics Condensed Matter, 2009, 21, 254211.	1.8	4
122	Structure and Morphology of NdSr2RuCu2Oy and GdSr2RuCu2Oz. Lecture Notes in Physics, 2002, , 205-221.	0.7	3
123	Effects of oxygenation processes on (Nd,Gd)-Sr2RuCu2Ox synthesis. Physica C: Superconductivity and Its Applications, 2003, 388-389, 391-392.	1.2	3
124	SCANNING TUNNELING SPECTROSCOPY ON THE GdSr2RuCu2O8 COMPOUND. International Journal of Modern Physics B, 2003, 17, 608-613.	2.0	3
125	Point Contact Spectroscopy on RuSr2GdCu2O8. International Journal of Modern Physics B, 2003, 17, 3525-3529.	2.0	3
126	Growth and characterization of highly epitaxial YBa2Cu3O7/La0.7Ca0.3MnO3 bilayer structures. Physica C: Superconductivity and Its Applications, 2004, 408-410, 48-49.	1.2	3

#	Article	IF	Citations
127	Reduced twinning efficiency and tri-dimensional crack structure in melt-textured NdBa₂Cu₃O_{7â^Î´}bulk samples fragmentation process. Superconductor Science and Technology, 2012, 25, 125017.	3.5	3
128	Effects of substrate temperature on nanoparticle-assembled Fe films produced by ultrafast pulsed laser deposition. Applied Surface Science, 2012, 258, 9337-9341.	6.1	3
129	Characterization of Thick Film of Copper Electrodeposited for Cryogenic Applications. Journal of the Electrochemical Society, 2014, 161, D540-D545.	2.9	3
130	Synthesis and characterization of mixed melilite-type oxides. Journal of Crystal Growth, 2017, 457, 128-131.	1.5	3
131	Fermi surface and kink structures in $$hbox {Sr}_{{4}}hbox {Ru}_{{3}}hbox {O}_{{10}}$$ revealed by synchrotron-based ARPES. Scientific Reports, 2020, 10, 21062.	3.3	3
132	Resonant inelastic x-ray scattering study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	3.2	3
133	Low frequency voltage noise in current biased HTCS thin films. Physica B: Condensed Matter, 1994, 194-196, 2043-2044.	2.7	2
134	Magnetoelastic coupling in RuSr2GdCu2O8. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2106-2107.	2.3	2
135	POINT CONTACT STUDY OF THE SUPERCONDUCTING ORDER PARAMETER IN RuSr2GdCu2O8. International Journal of Modern Physics B, 2005, 19, 323-325.	2.0	2
136	Improvement of the homo-biepitaxial YBCO film fabrication process on Yttrium Stabilized Zirconia. Journal of Physics: Conference Series, 2006, 43, 1135-1138.	0.4	2
137	Magnetic history dependence of the AC susceptibility of GdSr2RuCu2Oz. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3061-3064.	0.8	2
138	Gd-Nd Solubility in the (Gd,Nd)-Sr-Ru-Cu-O System. IEEE Transactions on Applied Superconductivity, 2007, 17, 2965-2968.	1.7	2
139	Superparamagnetic behavior of ferromagnetic nanoclusters in RuSr2GdCu2O8 and RuSr2Gd1.6Ce0.4Cu2O10 samples observed by AC and DC magnetic measurements. Journal of Magnetism and Magnetic Materials, 2007, 316, e529-e531.	2.3	2
140	Resistive Transitions in S/F/S Trilayers. Solid State Phenomena, 2009, 152-153, 478-481.	0.3	2
141	Physical properties and characterization of RuSr2GdCu2O8 (Ru-1212) grown by top seeded melt textured technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 165-169.	3.5	2
142	Superconducting behaviour via percolation in Sr2RuO4-Sr3Ru2O7eutectic crystals. Journal of Physics: Conference Series, 2009, 150, 052056.	0.4	2
143	Evidence for the Sr2RuO4intercalations in the Sr3Ru2O7region of the Sr3Ru2O7â€“ Sr2RuO4eutectic system. Journal of Physics: Conference Series, 2009, 150, 052113.	0.4	2
144	Electron backscattering diffraction and X-ray diffraction studies of interface relationships in Sr3Ru2O7/Sr2RuO4 eutectic crystals. Micron, 2011, 42, 324-329.	2.2	2

#	Article	IF	Citations
145	The influence of doping with Ca and Mg in YBa2Cu3O7-Î´ceramic. EPJ Web of Conferences, 2012, 29, 00003.	0.3	2
146	Publisher's Note: Spin-orbit-induced orbital excitations inSr2RuO4andCa2RuO4: A resonant inelastic x-ray scattering study [Phys. Rev. B91, 155104 (2015)]. Physical Review B, 2015, 91, .	3.2	2
147	In-depth study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0013.gif" overflow="scroll"><mml:mrow><mml:mi>H</mml:mi><mml:mo>â^'</mml:mo><mml:mi>T</mml:mi></mml:mrow></mml:math> phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0014.gif" overflow="scroll"><mml:mrow><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub	2.7	2
148	Nd2-<italic> _x </italic>Ce<italic> _x </italic>CuO4Â±Î´ Ultrathin Films Crystalline Properties. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	2
149	Effect of different atmospheres on the synthesis of Ba2CuGe2O7 single crystals. European Physical Journal: Special Topics, 2019, 228, 703-712.	2.6	2
150	Study of the surface properties of NCCO electron-doped cuprate. European Physical Journal: Special Topics, 2019, 228, 733-739.	2.6	2
151	Coherent growth of oxide films on a cleaved layered metal oxide substrate. Physical Review Materials, 2018, 2, .	2.4	2
152	Random telegraph noise and critical currents of high-Tc superconducting thin films. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2983-2984.	1.2	1
153	AC susceptibility measurements on directionally solidified YBCO samples. European Physical Journal D, 1996, 46, 1513-1514.	0.4	1
154	Hot gas temperature controller for a cryostat insert having high stability. Review of Scientific Instruments, 1997, 68, 2071-2075.	1.3	1
155	Seeded directional growth of superconducting bulk Y123. Physica C: Superconductivity and Its Applications, 1997, 282-287, 487-488.	1.2	1
156	Harmonic AC susceptibilities on directionally solidified YBaCuO samples. IEEE Transactions on Applied Superconductivity, 1999, 9, 2324-2327.	1.7	1
157	Cu NMR spectra and relaxation in rutheno-cuprate RuSr2GdCu2O8. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E147-E148.	2.3	1
158	Morphological and structural characterization of GdSr2RuCu2O8 thin film. Journal of Physics and Chemistry of Solids, 2006, 67, 613-615.	4.0	1
159	Structural and magnetic properties of GdSr2RuCu2O8 films. Physica C: Superconductivity and Its Applications, 2007, 460-462, 444-445.	1.2	1
160	Structure, morphology and composition of superconducting Sr2RuO4â€“Sr3Ru2O7 eutectic crystals. Physica C: Superconductivity and Its Applications, 2007, 460-462, 524-525.	1.2	1
161	AC susceptibility of Sr2RuO4â€“Sr3Ru2O7 eutectics: Dependence on AC field strength and frequency. Journal of Magnetism and Magnetic Materials, 2007, 310, 643-644.	2.3	1
162	Uniaxial pressure effect on the superconductivity in the Sr3Ru2O7 region of the Sr3Ru2O7â€“Sr2RuO4 eutectic system. Physica C: Superconductivity and Its Applications, 2010, 470, S728-S729.	1.2	1

#	Article	IF	Citations
163	Transport Properties of Over-doped Epitaxial NdCeCuO Films. Journal of Superconductivity and Novel Magnetism, 2011, 24, 169-172.	1.8	1
164	Electronic properties of Nd 2â^'x Ce x CuO 4+Î´: A hard X-ray photoemission investigation. Journal of Electron Spectroscopy and Related Phenomena, 2016, 212, 81-85.	1.7	1
165	Nonlinear Pauli susceptibilities in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math> and universal features of itinerant metamagnetism. Physical Review B, 2018, 97, .	3.2	1
166	Suppression of the orbital magnetic moment driven by electronic correlations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>10</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	3.2	1
167	Layer dependent antiferromagnetism in the Sr4Ru3O10 ruthenate at the metamagnetic-like transition. Journal of Magnetism and Magnetic Materials, 2020, 493, 165698.	2.3	1
168	High-rate melt processed Sm1Ba2Cu3O7-x bulk superconductor. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1997, 19, 1025-1031.	0.4	0
169	Spatial distribution of structural and superconducting properties in high processing rate melt textured YBCO. IEEE Transactions on Applied Superconductivity, 1999, 9, 2085-2088.	1.7	0
170	ESR studies of the magnetism of Ru-1212. Physica B: Condensed Matter, 2003, 327, 397-399.	2.7	0
171	YBa2Cu3O7-Î´/La0.7Ca0.3MnO3 BILAYERS: STRUCTURAL AND TRANSPORT PROPERTIES. International Journal of Modern Physics B, 2005, 19, 491-493.	2.0	0
172	Structural and magnetic characterization of GdSr2RuCu2O8 films deposited by d.c. sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3073-3076.	0.8	0
173	Transport measurements on Sr2RuO4â€“Sr3Ru2O7 eutectic crystals. Physica C: Superconductivity and Its Applications, 2007, 460-462, 526-527.	1.2	0
174	Structural and Electrical Properties of Epitaxial La2/3Ca1/3MnO3/La1/3Ca2/3MnO3/YBa2Cu3O7â^'Î´ Trilayers. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2103-2108.	1.8	0
175	Nd<inf>2-X</inf>Ce<inf>X</inf>CuO<inf>4Â±delta/</inf>Nd<inf>2</inf>CuO<inf>4</inf> Ultra-Thin Films Grown by DC Sputtering Technique. , 2017, , .		0
176	STRUCTURE AND PROPERTIES OF SUPERCONDUCTOR/FERROMAGNET HYBRIDS. , 2007, , .		0
177	Guiding antiferromagnetic transitions in Ca$$_{2}$$RuO$$_{4}$$. Scientific Reports, 2022, 12, .	3.3	0