Michael Pissas

List of Publications by Year
in descending order

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110	2,197	218592	254106
papers	citations	26 h-index	43 g-index

112	112	112	1976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and magnetic properties ofLa0.67(BaxCa1âˆ'x)0.33MnO3perovskites(0<~x<~1). Physical Review B, 1999, 59, 1129-1133.	1.1	178
2	55MnNMR Investigation of Electronic Phase Separation inLa1âˆ'xCaxMnO3for0.2â‰¤xâ‰¤0.5. Physical Review Letters, 2000, 84, 761-764.	2.9	134
3	Study of Fe-dopedLa1âˆ'xCaxMnO3(xâ‰ƒ1/3)using MÃ¶ssbauer spectroscopy and neutron diffraction. Physical Review B, 1999, 59, 1263-1271.	1.1	119
4	MÃ¶ssbauer study of La0.75Ca0.25Mn0.98Fe0.02O3 compound. Journal of Applied Physics, 1997, 81, 5770-5772.	1.1	99
5	Spin-Relaxation Properties of a High-Spin Mononuclear Mn^{III}O₆-Containing Complex. Inorganic Chemistry, 2013, 52, 12869-12871.	1.9	81
6	A metamagnetic 2D copper(ii)-azide complex with 1D ferromagnetism and a hysteretic spin-flop transition. Dalton Transactions, 2009, , 3215.	1.6	63
7	Exchange-biasing mechanism inLa2/3Ca1/3MnO3/La1/3Ca2/3MnO3multilayers. Physical Review B, 1999, 60, 485-491.	1.1	62
8	Controlled reduction of red mud by H2 followed by magnetic separation. Minerals Engineering, 2017, 105, 36-43.	1.8	62
9	Synthesis, thermogravimetric and 57Fe MÃ¶ssbauer studies of the oxygen deficient perovskite REBaCuFeO5 + x series (RE = Y, Nd, Sm, Gd, Dy, Tm, Lu). Physica C: Superconductivity and Its Applications, 1992, 192, 35-40.	0.6	57
10	Slow Magnetic Relaxation of a Ferromagnetic Ni^{II}₅Cluster with anS= 5 Ground State. Inorganic Chemistry, 2008, 47, 10674-10681.	1.9	56
11	Raman- and infrared-active phonons inYBaCuFeO5: Experiment and lattice dynamics. Physical Review B, 1993, 47, 15201-15207.	1.1	53
12	Preparation and characterization of the NdFe10T2Nx(T=Mo,V) compounds with the ThMn12tetragonalâ€type structure. Journal of Applied Physics, 1991, 70, 6012-6014.	1.1	51
13	Orbital Domain State and Finite Size Scaling in Ferromagnetic Insulating Manganites. Physical Review Letters, 2003, 91, 147205.	2.9	50
14	Polarons and phase separation in lanthanum-based manganese perovskites: A139Laand55MnNMR study. Physical Review B, 1999, 59, 6390-6394.	1.1	49
15	Resistivity investigations of plastic vortex creep inYBa2Cu3O6.95crystals. Physical Review B, 1998, 58, 2445-2447.	1.1	40
16	The phase diagram and magnetic properties of La1ÂxCaxMnO3compounds for 0 ÂxÂ 0.23. Journal of Physics Condensed Matter, 2004, 16, 6527-6540.	0.7	39
17	Observation of Slow Relaxation and Singleâ€Molecule Toroidal Behavior in a Family of Butterflyâ€Shaped Ln₄ Complexes. Chemistry - A European Journal, 2016, 22, 18532-18550.	1.7	39
18	Crystal structure of theMg1âˆ'xAlxB2superconductors nearxâ‰ˆ0.5. Physical Review B, 2002, 66, .	1.1	37

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19	Preparation of the 110 K high Tc superconductor Bi2Sr2Ca2Cu3Oy by Pb and Sb substitution. Physica C: Superconductivity and Its Applications, 1989, 159, 643-648.	0.6	32
20	The optimum percentage of Pb and the appropriate thermal procedure for the preparation of the 110 K Bi2-xPbxSr2Ca2Cu3Oysuperconductor. Superconductor Science and Technology, 1990, 3, 128-133.	1.8	31
21	Magnetic Structure of the Oxygen-Deficient Perovskite YBaCuFeO5+.delta.. Inorganic Chemistry, 1994, 33, 1255-1258.	1.9	31
22	Structural, magnetic, and MÃ¶ssbauer studies of thePrBaCuFeO5+ycompound. Physical Review B, 1997, 55, 397-408.	1.1	31
23	Exchange biasing in La2/3Ca1/3MnO3/La1/3Ca2/3MnO3 multilayers. Journal of Applied Physics, 1999, 85, 4913-4915.	1.1	31
24	MÃ¶ssbauer study of57Fe-dopedLa0.5Ca0.5MnO3. Physical Review B, 1999, 59, 1272-1276.	1.1	30
25	La139NMR investigation of spin ordering inLa0.5Ca0.5MnO3. Physical Review B, 1997, 55, 15000-15004.	1.1	29
26	Bare and protein-conjugated Fe₃O₄ferromagnetic nanoparticles for utilization in magnetically assisted hemodialysis: biocompatibility with human blood cells. Nanotechnology, 2008, 19, 505101.	1.3	28
27	Onset of the fishtail peak in an untwinnedYBa2Cu3O7âˆ'Î´crystal. Physical Review B, 2000, 62, 1446-1451.	1.1	26
28	Irreversibility line in superconductingHgBa2CuO4+Î´single crystals. Physical Review B, 1998, 58, 9536-9542.	1.1	24
29	Synergy of exchange bias with superconductivity in ferromagneticâ€“superconducting layered hybrids: the influence of in-plane and out-of-plane magnetic order on superconductivity. Superconductor Science and Technology, 2007, 20, 1205-1222.	1.8	24
30	Spin relaxation in a ferromagnetically coupled triangular Cu3 complex. Chemical Physics Letters, 2010, 493, 185-190.	1.2	24
31	Magnetic fluid hyperthermia simulations in evaluation of SAR calculation methods. Physica Medica, 2020, 71, 39-52.	0.4	24
32	Crystallographic, thermogravimetric and magnetization study of the YBa2Cu3âˆ'xFexOyz superconductor (0â©½x â©½2, 6â©½y â©½7). Physica C: Superconductivity and Its Applications, 1991, 174, 316-320.	0.6	23
33	Magnetic relaxation measurements in the region of the second magnetization peak in aHgBa2CuO4+Î´single crystal. Physical Review B, 1999, 59, 12121-12126.	1.1	23
34	Design of a polarisation reconfigurable patch antenna using ferrimagnetic materials. IET Microwaves, Antennas and Propagation, 2012, 6, 158.	0.7	22
35	Permeability measurements of permalloy films with a broad band stripline technique. Journal of Magnetism and Magnetic Materials, 2000, 222, 168-174.	1.0	21
36	Magneto-transport and exchange biasing in Laâ€“Caâ€“Mnâ€“O compositionally modulated ferromagnetic/antiferromagnetic multilayers. Journal of Applied Physics, 2000, 87, 3926-3930.	1.1	20

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37	Biocompatibility and Solubility of Fe3O4-BSA Conjugates with Human Blood. Current Nanoscience, 2009, 5, 177-181.	0.7	19
38	Interactions between H-bonded [CuII3(Î¼₃-OH)] triangles; a combined magnetic susceptibility and EPR study. Physical Chemistry Chemical Physics, 2018, 20, 17234-17244.	1.3	17
39	Site occupancy of Fe in the oxygen-saturated YSr2Cu3â^'xFexOy compound for x=0.25 up to 1. Physica C: Superconductivity and Its Applications, 1994, 234, 127-136.	0.6	16
40	Deposition of thin films over large areas with a simple sputtering technique for microwave applications. Superconductor Science and Technology, 1998, 11, 686-691.	1.8	16
41	MÃ¶ssbauer and crystal-structure study ofYSr2Cu2FeOyisomorphic withYBa2(Cu1â^'xFex)3Oy. Physical Review B, 1992, 46, 14119-14125.	1.1	15
42	A dc magnetization and local permeability study of the HgBa2CuO4+Î´superconductor. Superconductor Science and Technology, 2001, 14, 844-853.	1.8	14
43	On the Biocompatibility of Fe₃O₄ Ferromagnetic Nanoparticles with Human Blood Cells. Journal of Nanoscience and Nanotechnology, 2010, 10, 6110-6115.	0.9	14
44	Single-crystal growth and characterization of the superconductor. Superconductor Science and Technology, 1997, 10, 598-604.	1.8	13
45	Magnetic heterogeneity in electron doped La1â^'xCaxMnO3manganites studied by means of electron spin resonance. Journal of Physics Condensed Matter, 2005, 17, 3903-3914.	0.7	12
46	Zig-zag [MnIII4] clusters from polydentate Schiff base ligands. Polyhedron, 2013, 64, 181-188.	1.0	12
47	Spin-polarized oxygen hole states in cation-deficient La 1 â^' x Ca x MnO 3 + Î´. Europhysics Letters, 2004, 68, 453-459.	0.7	11
48	Pulsed laser deposition of La2/3Ca1/3MnO3 films at low oxygen pressures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 272-277.	1.7	10
49	NMR in manganese perovskites: Detection of spatially varying electron states in domain walls. Physical Review B, 1998, 58, 12237-12241.	1.1	10
50	Flux creep in a thin disc of YBa2Cu3O7-deltasuperconductor. Superconductor Science and Technology, 1999, 12, 682-689.	1.8	10
51	PronouncedTcenhancement and magnetic memory effects in hybrid films. Superconductor Science and Technology, 2004, 17, L51-L54.	1.8	10
52	MÃ¶ssbauer study of 1% Fe doped LaMnO3compound. Journal of Physics Condensed Matter, 2004, 16, 7419-7426.	0.7	10
53	A MÃ¶ssbauer study of the superconducting NdFeAsO_{0.82}F_{0.18}oxypnictide compound. Superconductor Science and Technology, 2008, 21, 115015.	1.8	10
54	MÃ¶ssbauer study of Bi2Sr4Fe3Oin12+x isostructural with the Bi2Sr2Ca2Cu3O10+x 110 K superconductor. Solid State Communications, 1990, 73, 767-770.	0.9	9

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55	Quantitative analysis and studies of the transformation from Bi2Sr2CaCu2O8+x to Bi2Sr2Ca2Cu3O10+x using Rietveld analysis and AC-susceptibility. Physica C: Superconductivity and Its Applications, 1992, 196, 157-163.	0.6	9
56	Phase separation in carbon-doped MgB2 studied by means of alternating current susceptibility measurements. Journal of Physics Condensed Matter, 2002, 14, 7363-7369.	0.7	9
57	Unexpected orbital magnetism in Bi-rich Bi2Se3 nanoplatelets. NPG Asia Materials, 2016, 8, e271-e271.	3.8	9
58	A systematic MÃ¶ssbauer spectroscopy study of Y3Fe5O12 samples displaying different magnetic ac-susceptibility and electric permittivity spectra. Journal of Magnetism and Magnetic Materials, 2020, 495, 165881.	1.0	9
59	Synthesis and characterization of modified magnetic nanoparticles as theranostic agents: in vitro safety assessment in healthy cells. Toxicology in Vitro, 2021, 72, 105094.	1.1	9
60	Modelling of the hysteresis loop for YBa2Cu3O7âˆ'Î´ thin films. Physica C: Superconductivity and Its Applications, 1995, 241, 63-70.	0.6	8
61	Polaron freezing and the quantum liquid-crystal phase in the ferromagnetic metallic La0.67Ca0.33MnO3. Npj Quantum Materials, 2018, 3, .	1.8	8
62	Structural, MÃ¶ssbauer, and Raman studies of the (Y,Ce)2Sr2Cu2FeO8+ycompound. Physical Review B, 1995, 52, 10610-10620.	1.1	7
63	A New Method for the Estimation of Hc2Anisotropy in Polycrystalline MgB2Samples. Journal of Superconductivity and Novel Magnetism, 2004, 17, 259-263.	0.5	7
64	Synthesis and Properties of Dinuclear Î¼â€Oxodiiron(III) Complexes of Amideâ€Based Macrocyclic Ligands. European Journal of Inorganic Chemistry, 2012, 2012, 5525-5533.	1.0	7
65	Heptanuclear heterometallic Cu 5 Ln 2 (Lnâ€¯=â€¯Gd, Tb) complexes: Synthesis, crystal structures, and magnetic properties studies. Polyhedron, 2018, 150, 47-53.	1.0	7
66	Proximity induced superconductivity in bulk Cuâ€“Nb composites: The influence of interfaceâ€™s structural quality. Physica C: Superconductivity and Its Applications, 2006, 442, 45-54.	0.6	6
67	Irreversibility line of Ba1âˆ'xKxFe2As2 (Tc=36.9K) superconductor studied with ac-susceptibility measurements. Physica C: Superconductivity and Its Applications, 2012, 476, 68-72.	0.6	6
68	Synthesis, magnetic and spectroscopic characterization of a new Fe7 cluster with a six-pointed star topology. Polyhedron, 2013, 64, 280-288.	1.0	6
69	Polymerization of a preformed Mn6 cluster to a one-dimensional chain. Polyhedron, 2013, 52, 917-923.	1.0	6
70	Efficiency measurements of multiband and circularly polarized magneto-dielectric antennas by the equivalent-circuit wheeler cap. , 2014, , .		6
71	Iron(III) complexes with 2-pyridyl oxime ligands: Synthesis, structural and spectroscopic characterization, and magnetic studies. ChemistrySelect, 2016, 1, 147-156.	0.7	6
72	The [Fe{(SePPh₂)₂N}₂] Complex Revisited: Xâ€ray Crystallography, Magnetometry, Highâ€Frequency EPR, and MÃ¶ssbauer Studies Reveal Its Tetrahedral Fe^{II}Se₄ Coordination Sphere. European Journal of Inorganic Chemistry, 2018, 2018, 713-721.	1.0	6

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73	Extending the family of heptanuclear heterometallic Cu5Ln2 (Lnâ€¯=â€¯Gd, Tb, Dy) complexes: Synthesis, crystal structures, magnetic and magnetocaloric studies. Polyhedron, 2019, 169, 135-143.	1.0	6
74	Trinuclear NiII-LnIII-NiII Complexes with Schiff Base Ligands: Synthesis, Structure, and Magnetic Properties. Molecules, 2020, 25, 2280.	1.7	5
75	Conduction electron spin resonance in Mg 1 â^' x Al x B 2. Europhysics Letters, 2003, 61, 116-121.	0.7	4
76	MÃ¶ssbauer study of Na0.82Co0.9957Fe0.01O2. Solid State Communications, 2006, 137, 668-672.	0.9	4
77	Magnetic properties of the magnetoelectric Al_{2â^'x}Fe_xO₃(x= 0.8, 0.9 and 1). Journal of Physics Condensed Matter, 2008, 20, 415222.	0.7	4
78	Surveying the Response of Transport Channels of Intact RBC Membranes upon AgNO₃ Administration: an Atomic Force Microscopy Study. Cellular Physiology and Biochemistry, 2009, 24, 33-44.	1.1	4
79	A 2D (4,4) network based on tetranuclear manganese(II)-terephthalato building units: Synthesis, crystal structure and magnetic studies. Polyhedron, 2015, 85, 783-788.	1.0	4
80	A Microporous Co(II)-Based 3-D Metal Organic Framework Built from Magnetic Infinite Rod-Shaped Secondary Building Units. European Journal of Inorganic Chemistry, 2019, 2019, 4056-4062.	1.0	4
81	Synthesis, Crystal Structures and Magnetic Properties of Trinuclear {Ni2Ln} (LnIII = Dy, Ho) and {Ni2Y} Complexes with Schiff Base Ligands. Crystals, 2022, 12, 95.	1.0	4
82	LAPONITEÂ® nanodisk-â€œdecoratedâ€•Fe₃O₄ nanoparticles: a biocompatible nano-hybrid with ultrafast magnetic hyperthermia and MRI contrast agent ability. Journal of Materials Chemistry B, 2022, 10, 4935-4943.	2.9	4
83	High-field behaviour of the magnetic response of a hard superconducting thin disc and application to hysteresis loops of YBa2Cu3O7- deltathin films. Superconductor Science and Technology, 1995, 8, 647-651.	1.8	3
84	A neutron diffraction study of the deoxygenated YSr2Cu3â^'xFexO6+y (x=0.8 and 1) compound. Physica B: Condensed Matter, 1998, 253, 1-9.	1.3	3
85	Local Hall probe ac-susceptibility and global dc magnetization measurements in HgBa2CuO4+x single crystal. Physica C: Superconductivity and Its Applications, 2000, 332, 456-458.	0.6	3
86	Charge and lattice dynamics of ordered state in La1/2Ca1/2MnO3: infrared reflection spectroscopy study. Solid State Communications, 2004, 132, 309-313.	0.9	3
87	Magnetic measurements in thin film specimens: Rejecting the contribution of the substrate. Journal of Magnetism and Magnetic Materials, 2008, 320, 3264-3271.	1.0	3
88	Magnetic texturing due to the partial ordering of Fe+3 and Cu+2 in NdBaCuFeO5. Journal of Magnetism and Magnetic Materials, 2017, 432, 224-230.	1.0	3
89	Specific heat study of La_{1â€“}_xCa_xMnO₃ (0.5â€‰â€‰â€‰xâ€‰â€‰â€‰0.9) with antiferromagnetic ground state. Journal of Applied Physics, 2017, 122, 143902.	1.1	3
90	Magnetic Properties and Electronic Structure of the S = 2 Complex [Mn^{III}{(OPPh₂)₂N}₃] Showing Field-Induced Slow Magnetization Relaxation. Inorganic Chemistry, 2020, 59, 13281-13294.	1.9	3

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91	MÃ¶ssbauer studies of the series Bi2â^'xPbxSr2Binâ^'1FenOy for x = 0.5, 1 and n = 2, 3. Physica C: Superconductivity and Its Applications, 1991, 176, 227-234.	0.6	2
92	Raman scattering and transmission electron microscopy studies of commensurate modulated Bi2+xSr3-xFe2O9.2isostructural to Bi2Sr2CaCu2O8.21. Journal of Physics Condensed Matter, 1993, 5, 907-914.	0.7	2
93	MÃ¶ssbauer, crystal-structure, magnetic, and Raman studies of the (Y,Ce)2Sr2CuFeO8compound isomorphic to superconductors with theT*structure. Physical Review B, 1994, 50, 10157-10164.	1.1	2
94	Temperature dependence of the hyperfine field distributions in the Fe93.5â^'xNdxZr6.5(x=0, 2) amorphous alloys. Journal of Applied Physics, 1994, 75, 5853-5855.	1.1	2
95	Magnetic and crystal structure of the compound. Journal of Physics Condensed Matter, 1998, 10, 3929-3939.	0.7	2
96	MÃ¶ssbauer spectroscopy and neutron diffraction studies of the compound. Journal of Physics Condensed Matter, 1998, 10, 10317-10332.	0.7	2
97	Pulsed laser deposition of mixed valence manganite artificial superstructures. Journal of Materials Processing Technology, 2001, 108, 193-196.	3.1	2
98	Electrical characterization of YBCO single crystal surfaces oriented in any crystallographic direction. Physica C: Superconductivity and Its Applications, 2002, 382, 291-297.	0.6	2
99	Crossover from paramagnetic to diamagnetic ac-susceptibility in Bi₂Sr₂CaCu₂O${}_{8+delta }$ superconductor for ${f{H}} \| \| c mbox{-} {m{axis}}$. Superconductor Science and Technology, 2017, 30, 105011.	1.8	2
100	Structure and MÃ¶ssbauer study of the double perovskite Ba2InCu1 â^' xFexO4 + y (x = 0.5). Materials Research Bulletin, 1997, 32, 791-801.	2.7	1
101	Simulation of magnetic relaxation measurements of tetragonal and thin films. Superconductor Science and Technology, 1998, 11, 1241-1250.	1.8	1
102	MÃ¶ssbauer and magnetization studies of La0.5Ca0.5Mn1â^'xFexO3. Journal of Applied Physics, 1999, 85, 5402-5404.	1.1	1
103	Single crystal growth and vortex matter phase diagram in HgBa2CuO4+x superconductor. Journal of Materials Processing Technology, 2001, 108, 145-147.	3.1	1
104	Ferromagnetically-coupled, triangular, [Bu4N]2[CuII3(Î¼3-Br)2(Î¼-4-O2N-pz)3Br3] complex revisited: The effect of coordinated halides on spin relaxation properties. Polyhedron, 2020, 177, 114258.	1.0	1
105	Synthesis, crystal structures, magnetic and magnetocaloric studies of heterometallic enneanuclear {Cu7Gd2} complexes. Polyhedron, 2021, 195, 114960.	1.0	1
106	A single-chain magnet based on bis(end-on azido/alkoxo)-bridged linear [MnIII2MnII] repeating units. Polyhedron, 2021, 206, 115334.	1.0	1
107	Di-2-pyridyl ketone-based ligands as evergreen â€œtreesâ€•in the â€œforestâ€•of manganese chemistry: Mononuclear Mn(III) complexes from the use of MnF3. Polyhedron, 2021, 207, 115350.	1.0	1
108	Analysis of magnetic relaxation in a thin disk of YBa2Cu3O7â^'Î´ superconductor. Journal of Materials Processing Technology, 2001, 108, 156-160.	3.1	0

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109	Angular dependence of the peak effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si19.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MgB</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Physica C: Superconductivity and its Applications, 2014, 503, 42-47.	0.6	0
110	A Microporous Co(II)-Based 3-D Metal Organic Framework Built from Magnetic Infinite Rod-Shaped Secondary Building Units. European Journal of Inorganic Chemistry, 2019, 2019, 4055-4055.	1.0	0