Orestis Kalogirou

List of Publications by Year
in descending order

104	1,881	279798	289244
papers	citations	23 h-index	40 g-index

106	106	106	2257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell Behavioral Changes after the Application of Magneto-Mechanical Activation to Normal and Cancer Cells. Magnetochemistry, 2022, 8, 21.	2.4	8
2	Mitigation of magnetic particle hyperthermia side effects by magnetic field controls. International Journal of Hyperthermia, 2021, 38, 511-522.	2.5	17
3	CoFe2-xRExO4 (RE=Dy, Yb, Gd) magnetic nanoparticles for biomedical applications. Physica B: Condensed Matter, 2021, 606, 412849.	2.7	15
4	Biogenic selenium nanoparticles produced by Lactobacillus casei ATCC 393 inhibit colon cancer cell growth in vitro and in vivo. Nanoscale Advances, 2021, 3, 2516-2528.	4.6	36
5	Rapid Millifluidic Synthesis of Stable High Magnetic Moment Fe_xC_y Nanoparticles for Hyperthermia. ACS Applied Materials & Interfaces, 2020, 12, 28520-28531.	8.0	20
6	The Effect of Polyol Composition on the Structural and Magnetic Properties of Magnetite Nanoparticles for Magnetic Particle Hyperthermia. Materials, 2019, 12, 2663.	2.9	17
7	Synthesis, processing and characterization of Mn-based nanoparticles for permanent magnet applications. Materials Today: Proceedings, 2019, 19, 126-132.	1.8	3
8	Effect of low frequency magnetic fields on the growth of MNP-treated HT29 colon cancer cells. Nanotechnology, 2018, 29, 175101.	2.6	23
9	Improving the Subcutaneous Mouse Tumor Model by Effective Manipulation of Magnetic Nanoparticles-Treated Implanted Cancer Cells. Annals of Biomedical Engineering, 2018, 46, 1975-1987.	2.5	4
10	Synthesis, processing and characterization of FeMnGa nanoparticles for permanent magnet applications. Materials Today: Proceedings, 2017, 4, 6948-6953.	1.8	0
11	Carbon-encapsulated cobalt nanoparticles: synthesis, properties, and magnetic particle hyperthermia efficiency. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	18
12	Processing of magnetically anisotropic MnBi particles by surfactant assisted ball milling. Journal of Magnetism and Magnetic Materials, 2017, 426, 691-697.	2.3	39
13	Arrangement at the nanoscale: Effect on magnetic particle hyperthermia. Scientific Reports, 2016, 6, 37934.	3.3	131
14	A novel strategy combining magnetic particle hyperthermia pulses with enhanced performance binary ferrite carriers for effective in vitro manipulation of primary human osteogenic sarcoma cells. International Journal of Hyperthermia, 2016, 32, 778-785.	2.5	12
15	Unveiling the Physicochemical Features of CoFe2O4 Nanoparticles Synthesized via a Variant Hydrothermal Method: NMR Relaxometric Properties. Journal of Physical Chemistry C, 2015, 119, 8336-8348.	3.1	41
16	Structural and Magnetic Properties of Fe Doped Mn-Ga Ribbons. EPJ Web of Conferences, 2014, 75, 03004.	0.3	2
17	Structure and Magnetic Properties of Boron Doped Fe50+xCu25â^'xM25(M = Al, Ga) and Fe50+xCo25â^'xGa25 Heusler Alloys. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
18	Tunable AC Magnetic Hyperthermia Efficiency of Ni Ferrite Nanoparticles. IEEE Transactions on Magnetics, 2014, 50, 1-7.	2.1	21

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19	Reducing the inversion degree of MnFe₂O₄ nanoparticles through synthesis to enhance magnetization: evaluation of their ¹H NMR relaxation and heating efficiency. Dalton Transactions, 2014, 43, 12754-12765.	3.3	86
20	In vitro application of Mn-ferrite nanoparticles as novel magnetic hyperthermia agents. Journal of Materials Chemistry B, 2014, 2, 8390-8398.	5.8	66
21	Magnetic Graphene Oxide: Effect of Preparation Route on Reactive Black 5 Adsorption. Materials, 2013, 6, 1360-1376.	2.9	94
22	Impedance spectroscopy analysis of LiZnVO4 and LiMgVO4. Ionics, 2013, 19, 1085-1090.	2.4	3
23	Impedance, dielectric and modulus analyses of compounds LiMnVO₄and LiCuVO₄. Advances in Applied Ceramics, 2012, 111, 408-414.	1.1	2
24	Morphology influence on nanoscale magnetism of Co nanoparticles: Experimental and theoretical aspects of exchange bias. Physical Review B, 2011, 84, .	3.2	44
25	Evolution of Nd2Fe14B nanoparticles magnetism during surfactant-assisted ball-milling. Intermetallics, 2011, 19, 589-595.	3.9	37
26	The role of synthetic parameters in the magnetic behavior of relative large hcp Ni nanoparticles. Journal of Nanoparticle Research, 2011, 13, 1897-1908.	1.9	24
27	In vitro application of Fe/MgO nanoparticles as magnetically mediated hyperthermia agents for cancer treatment. Journal of Magnetism and Magnetic Materials, 2011, 323, 775-780.	2.3	98
28	The Effect of Composition and Structural Ordering on the Magnetism of FePt Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 6017-6023.	0.9	7
29	Size-Induced Effects in Wet-Chemically Synthesized CoPt₃ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 6087-6092.	0.9	2
30	Tuning the Perpendicular Magnetic Anisotropy of Co-Based Layers in Multilayered Systems. Journal of Nanoscience and Nanotechnology, 2010, 10, 6082-6086.	0.9	0
31	Ionic Conductivity Study on Polycrystalline LiFeVO[sub 4]. , 2010, , .		0
32	Impedance spectroscopy study on the ionic conductivity processes of the novel LiFeVO4 phase. Ionics, 2010, 16, 289-295.	2.4	6
33	High coercivity cobalt carbide nanoparticles processed via polyol reaction: a new permanent magnet material. Journal Physics D: Applied Physics, 2010, 43, 165003.	2.8	107
34	Study of LiMgVO4 electrical conductivity mechanism. Journal of Alloys and Compounds, 2010, 489, 714-718.	5.5	6
35	Identification of corrosion products resulting from accelerated oxidation process. Corrosion Engineering Science and Technology, 2009, 44, 469-473.	1.4	3
36	Using magnetic circular dichroism for the study of the magnetization and the magnetic moments of atoms in Nd₃Fe_{27.5}Ti_{1.5}. Journal of Physics Condensed Matter, 2009, 21, 236001.	1.8	3

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37	Effect of humidity on the conduction processes of Li3VO4. Journal of Materials Science, 2009, 44, 4987-4992.	3.7	11
38	Impact of synthesis parameters on structural and magnetic characteristics of Co-based nanoparticles. Journal of Nanoparticle Research, 2009, 11, 1477-1484.	1.9	7
39	Compensation law in stabilized Î²- and Î²â€³-ferrites. Ionics, 2009, 15, 151-156.	2.4	1
40	The effect of humidity on the ionic conductivity of Mg2+-stabilized K+-Î²-ferrite. Ionics, 2009, 15, 531-536.	2.4	1
41	Effects of various chemical synthetic routes on structural and magnetic features of Mnâ€“Pt bimetallic nanoparticles. Polyhedron, 2009, 28, 3284-3290.	2.2	5
42	Controlling the crystal structure of Ni nanoparticles by the use of alkylamines. Journal of Magnetism and Magnetic Materials, 2009, 321, 2723-2728.	2.3	55
43	Tailoring the morphology of CoxPt1â^'x magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 2009, 321, 3120-3125.	2.3	11
44	Influence of multilayer modulation on structural and magnetic features in the Pt/Smâ€“Co system. Journal of Magnetism and Magnetic Materials, 2009, 321, 3155-3158.	2.3	2
45	Magnetic anisotropy of Hoâ€“Feâ€“Coâ€“Cr intermetallic compounds. Journal of Alloys and Compounds, 2009, 482, 19-22.	5.5	3
46	Structure and magnetic properties of Sm(Co0.74Fe0.1Cu0.12Zr0.04)8 melt-spun nanostructured alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 152, 81-85.	3.5	6
47	Structural and magnetic features of heterogeneously nucleated Fe-oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2008, 320, 1631-1638.	2.3	19
48	Thermal treatment effects in the self-assembly of FePt nanoparticle arrays. Journal of Magnetism and Magnetic Materials, 2008, 320, 2665-2671.	2.3	6
49	Impedance spectroscopy study of LiCuVO4. Solid State Ionics, 2008, 179, 936-940.	2.7	16
50	Synthesis and characterization of inverse spinel LiNiVO4 and LiCoVO4 with impedance spectroscopy. Solid State Ionics, 2008, 179, 1980-1985.	2.7	23
51	Magnetocrystalline anisotropy of Nd3(Fe1â^'xCox)27.7Ti1.3Ny compounds. Journal of Alloys and Compounds, 2008, 458, 37-40.	5.5	0
52	OXIDATION PROCESS OF Fe NANOPARTICLES. Modern Physics Letters B, 2007, 21, 1143-1151.	1.9	12
53	ANNEALING EFFECT ON THE INDUCED MAGNETISM OF PLATINUM IN FePt NANOPARTICLES. Modern Physics Letters B, 2007, 21, 1189-1196.	1.9	5
54	EFFECT OF AIR EXPOSURE ON STRUCTURAL AND MAGNETIC FEATURES OF FeCo NANOPARTICLES. Modern Physics Letters B, 2007, 21, 1161-1168.	1.9	10

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55	Magnetocrystalline Anisotropy of Nd3(Fe1â^'xCox)27,7Ti1,3Ny Compounds. AIP Conference Proceedings, 2007, , .	0.4	0
56	On the local coordination of Fe in Fe2O3-glass and Fe2O3-glass ceramic systems containing Pb, Na and Si. Journal of Non-Crystalline Solids, 2007, 353, 2717-2733.	3.1	26
57	Study on the existence and properties of Y3(Fe1â^'xCox)29â^'yCry (x=0.6â€“1.0; y=5â€“7) intermetallic compounds. Journal of Alloys and Compounds, 2007, 437, 16-21.	5.5	1
58	Controlled synthesis and phase characterization of Fe-based nanoparticles obtained by thermal decomposition. Journal of Magnetism and Magnetic Materials, 2007, 316, e1-e4.	2.3	64
59	Existence and properties of Co-rich 3:29-type of compounds synthesized with heavy rare earths. Journal of Magnetism and Magnetic Materials, 2007, 316, e458-e461.	2.3	6
60	Structure and magnetic properties of Gd4(Co,Ti)41 alloys. Journal of Alloys and Compounds, 2006, 423, 59-61.	5.5	2
61	Influences of Co on structural and magnetic properties of R3(Fe1â^'xCox)29â^'yMy (R=rare earth metal,) Tj ETQq1 1 0.784314 rgBT /O	5.5	5
62	On the coordination environment of Fe- and Pb-rich solidified industrial waste: An X-ray absorption and MÃ¶ssbauer study. Journal of Non-Crystalline Solids, 2006, 352, 2933-2942.	3.1	6
63	Modification of the Fe-environment in Fe2O3 glass/glass ceramic systems containing Pb, Na and Si. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 170-175.	1.4	4
64	Structural and Magnetic Properties of Sm$_3$(Fe$_1-rm x$Co$_rm x$)$_27.7$Ti$_1.3$. IEEE Transactions on Magnetics, 2006, 42, 3767-3769.	2.1	4
65	Detection by means of electrical and magnetic measurements of Crn+ (n>3) ions in polycrystalline ZnCr2O4 samples prepared by heating in air. Journal of Alloys and Compounds, 2005, 392, 310-316.	5.5	4
66	Structural and magnetic properties of Y3(Fe1â^'xCox)27.5V1.5 (0â‰¤xâ‰¤0.4). Journal of Alloys and Compounds, 2005, 399, 41-46.	5.5	6
67	Magnetic properties and structural characteristics of interstitially modified Nd3(Fe1â^'xCox)27.7Ti1.3Ny nitrides (x=0.1, 0.2, 0.3, 0.4). Journal of Magnetism and Magnetic Materials, 2004, 278, 46-56.	2.3	3
68	57Fe MÃ¶ssbauer spectroscopic studies of the magnetic anisotropy and spin reorientations in Nd3(Fe1â^'Co)27.7Ti1.3 (0â©½xâ©½0.4). Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1913-E1915.	2.3	1
69	Structural and magnetic properties of rare earthâ€"ironâ€"cobaltâ€"vanadium intermetallic compounds (R: Tb, Dy). Journal of Alloys and Compounds, 2004, 367, 255-261.	5.5	10
70	Synthesis and magnetic properties of (R,Râ€²)3(Fe,Ti)29 (R=Pr, Nd and Râ€²=Sm, Er) intermetallic compounds. Journal of Alloys and Compounds, 2003, 352, 73-78.	5.5	8
71	Structure and magnetic properties of RCo7â^'xMnx alloys (R=Sm, Gd; x=0.1â€“1.4). Journal of Magnetism and Magnetic Materials, 2002, 242-245, 844-846.	2.3	37
72	Effects of Co substitution on structural and magnetic properties of R3(Fe1â^'xCox)29â^'yVy (R=Tb, Dy). Journal of Magnetism and Magnetic Materials, 2002, 247, 34-41.	2.3	22

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73	Structural and magnetic properties of Nd3(Fe1â^'xCox)27.7Ti1.3 (0<xâ‰0.4) alloys. Journal of Alloys and Compounds, 2001, 325, 59-66.	5.5	22
74	Magnetic characterisation and hydrogen absorption characteristics of Pr3(Fe,Ti)29Hx. Journal of Magnetism and Magnetic Materials, 2001, 234, 47-54.	2.3	1
75	Crystallographic study of hydrated polycrystalline M-(Î²â€³,Î²)-ferrites (M=K+, Mg2+, Ca2+). Solid State Ionics, 2000, 136-137, 441-446.	2.7	2
76	The effect of humidity on the conductivity processes in polycrystalline Cu2+-stabilised K+-Î²â€³-ferrite. Solid State Ionics, 2000, 136-137, 375-380.	2.7	3
77	Magnetocrystalline anisotropy of a novel Y(Fe,V)9.66 intermetallic compound and its nitride with a disordered CaCu5-type structure. Journal of Magnetism and Magnetic Materials, 2000, 208, 20-26.	2.3	4
78	Magnetic properties of interstitial modified Pr3(Fe,Ti)29 hydrocarbide. Journal of Alloys and Compounds, 2000, 307, 234-239.	5.5	2
79	Phase diagram and magnetic properties of Nd3â^'xDyx(Fe,Ti)29 (0.1<x<3) intermetallic compounds. Journal of Alloys and Compounds, 2000, 305, 311-317.	5.5	8
80	Structural and magnetic properties of a novel DyFe9.16V0.50 intermetallic compound with a disordered CaCu5-type structure. Journal of Applied Physics, 1999, 86, 5444-5449.	2.5	3
81	Synthesis of melt-spun rare-earth transition-metal intermetallics with Nd3(Fe,Ti)29-type structure. Journal of Alloys and Compounds, 1999, 290, 1-5.	5.5	2
82	Magnetostrictive properties of amorphous and nanocrystalline TbDyFe films with Nb and Zr additives. Journal of Magnetism and Magnetic Materials, 1998, 187, 17-22.	2.3	9
83	Structural and magnetic properties of a novel compound with Y3(Fe, V)29 stoichiometry and disordered CaCu5-type structure. Journal of Alloys and Compounds, 1998, 270, 21-27.	5.5	10
84	Magnetostrictive properties of amorphous and partially crystalline TbDyFe thin films. Journal of Applied Physics, 1997, 81, 5696-5698.	2.5	26
85	Structural and giant magnetoresistance characterization of AgCo multilayers. Journal of Magnetism and Magnetic Materials, 1997, 165, 334-337.	2.3	6
86	Ab initio crystal structure solution of the novel intermetallic compound Nd3(Fe,Ti)29. Journal of Alloys and Compounds, 1996, 234, 62-66.	5.5	16
87	Structural and magnetic properties of Nd3(Fe,Ti)29Cx carbide. Journal of Alloys and Compounds, 1996, 240, 134-138.	5.5	7
88	Impedance spectroscopy related to reversible water uptake and loss in polycrystalline Cu2+-stabilized K+-Î²â€³-ferrite. Ionics, 1996, 2, 97-101.	2.4	2
89	Structural and intrinsic magnetic material parameters of Pr3(Fe,Ti)29 and Pr3(Fe,Ti)29Nx. Journal of Magnetism and Magnetic Materials, 1996, 153, 75-85.	2.3	27
90	Magnetic phase transitions and magnetocrystalline anisotropy in Nd3(Fe,Ti)29 and Nd3(Fe,Ti)29N4. Solid State Communications, 1996, 97, 471-475.	1.9	25

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91	Site occupancy and lattice changes on nitrogenation in Nd3Fe29âˆ'xTixNy. Journal of Applied Physics, 1996, 80, 2955-2959.	2.5	34
92	Synthesis and magnetic properties of rare earthâ€"ironâ€"chromium phases and their nitrides. Journal of Applied Physics, 1996, 79, 5539.	2.5	12
93	Synthesis and magnetic properties of R3(Fe,Ti)29 and R3(Fe,Ti)29Nx (R = Ce,Pr,Gd). Journal of Magnetism and Magnetic Materials, 1995, 147, L7-L10.	2.3	30
94	Existence range, structural and magnetic properties of Nd3Fe27.5Ti1.5âˆ'yMoy and Nd3Fe27.5Ti1.5âˆ'yMoyNx (0.0 â‰¤ y â‰¤ 1.5). Journal of Magnetism and Magnetic Materials, 1995, 146, 335-345.	2.3	159
95	Magnetic properties and structural characteristics of a novel Ce/sub 3/(Fe/sub 0.95/Ti/sub 0.05/)/sub 29/N/sub 4/ nitride. IEEE Transactions on Magnetics, 1995, 31, 3698-3700.	2.1	9
96	Nitrogen absorption in bulk and thin films of RFe12âˆ'xTx-type compounds. Journal of Alloys and Compounds, 1995, 222, 44-48.	5.5	5
97	Synthesis and magnetic properties of PrFe12âˆ'xMoxand PrFe12âˆ'xMoxNy(0.5â‰¤xâ‰¤1.0,yâ‰Š1). Journal of Applied Physics, 1994, 76, 6722-6724.	2.5	15
98	Thermal decomposition process of polycrystalline Cd-stabilized mono- and divalent-cation Î²â€³- and Î²-ferrites. Solid State Ionics, 1994, 74, 205-209.	2.7	3
99	Synthesis and Thermal Stability of Polycrystalline New Divalent Î²â€³- and Î²-Ferrites Prepared by Ion Exchange. Journal of Solid State Chemistry, 1993, 102, 318-331.	2.9	11
100	MÃ¶ssbauer study of a modified M-type Ba(Sr)-ferrite prepared by ion exchange. Solid State Ionics, 1993, 63-65, 528-533.	2.7	1
101	Preparation and properties of polycrystalline monovalent-cation Î²â€³-ferrites. Materials Research Bulletin, 1993, 28, 385-392.	5.2	5
102	Crystal structure and composition of nonstoichiometric M-type hexagonal ferrites prepared by ion exchange. Solid State Ionics, 1992, 50, 11-18.	2.7	6
103	Magnetic properties and composition range of non-stoichiometric m-type hexagonal ferrites prepared by ion exchange. Journal of Magnetism and Magnetic Materials, 1990, 89, 379-385.	2.3	8
104	Synthesis and magnetic properties of Î²â€³-ferrites stabilized by Co2+ and Ni2+. Materials Research Bulletin, 1989, 24, 1399-1404.	5.2	11