Giorgio Concas

List of Publications by Year
in descending order

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81 papers	1,882 citations	304701 22 h-index	276858 41 g-index
83 all docs	83 docs citations	83 times ranked	2745 citing authors

#	Article	IF	Citations
1	Characterization of Iron Oxide Nanoparticles in an Fe2O3â^'SiO2Composite Prepared by a Solâ^'Gel Method. Chemistry of Materials, 1998, 10, 495-502.	6.7	256
2	Nanoscopic Coexistence of Magnetism and Superconductivity inYBa2Cu3O6+xDetected by Muon Spin Rotation. Physical Review Letters, 2004, 93, 207001.	7.8	115
3	Beyond the Effect of Particle Size: Influence of CoFe₂O₄ Nanoparticle Arrangements on Magnetic Properties. Chemistry of Materials, 2013, 25, 2005-2013.	6.7	112
4	Superparamagnetic behaviour of Î³-Fe2O3 nanoparticles dispersed in a silica matrix. Physical Chemistry Chemical Physics, 2001, 3, 832-838.	2.8	74
5	Recent Advances on Anilato-Based Molecular Materials with Magnetic and/or Conducting Properties. Magnetochemistry, 2017, 3, 17.	2.4	70
6	Magnetic properties of Î³-Fe2O3â€“SiO2 aerogel and xerogel nanocomposite materials. Journal of Materials Chemistry, 2001, 11, 3180-3187.	6.7	69
7	Evolution of the magnetic structure with chemical composition in spinel iron oxide nanoparticles. Nanoscale, 2015, 7, 13576-13585.	5.6	60
8	Conducting Anilate-Based Mixed-Valence Fe(II)Fe(III) Coordination Polymer: Small-Polaron Hopping Model for Oxalate-Type Fe(II)Fe(III) 2D Networks. Journal of the American Chemical Society, 2018, 140, 12611-12621.	13.7	58
9	Magnetic Properties of Small Magnetite Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 23378-23384.	3.1	57
10	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. Physical Chemistry Chemical Physics, 2018, 20, 28634-28643.	2.8	54
11	Tuning the Size and Shape of Oxide Nanoparticles by Controlling Oxygen Content in the Reaction Environment: Morphological Analysis by Aspect Maps. Chemistry of Materials, 2015, 27, 1982-1990.	6.7	52
12	Inversion degree and saturation magnetization of different nanocrystalline cobalt ferrites. Journal of Magnetism and Magnetic Materials, 2009, 321, 1893-1897.	2.3	51
13	How to tailor maghemite particle size in Î³-Fe2O3â€“SiO2nanocomposites. Journal of Materials Chemistry, 2002, 12, 3141-3146.	6.7	50
14	Halogen-bonding in a new family of tris(haloanilato)metallate(<scp>iii</scp>) magnetic molecular building blocks. Dalton Transactions, 2014, 43, 7006-7019.	3.3	47
15	ZnFe2O4 nanoparticles dispersed in a highly porous silica aerogel matrix: a magnetic study. Physical Chemistry Chemical Physics, 2014, 16, 4843.	2.8	43
16	Designing new ferrite/manganite nanocomposites. Nanoscale, 2016, 8, 2081-2089.	5.6	43
17	Nano- and microcrystalline Lu2O3:Eu phosphors: variations in occupancy of C2and S6sites by Eu3+ions. Journal of Physics Condensed Matter, 2005, 17, 2597-2604.	1.8	38
18	Nanosheets of Two-Dimensional Neutral Coordination Polymers Based on Near-Infrared-Emitting Lanthanides and a Chlorocyananilate Ligand. Chemistry of Materials, 2018, 30, 6575-6586.	6.7	36

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19	Investigation of the precursors of Î³-Fe2O3 in Fe2O3/SiO2 nanocomposites obtained through solâ€“gel. Journal of Non-Crystalline Solids, 2001, 286, 64-73.	3.1	32
20	Heteroleptic NIR-Emitting Yb^{III}/Anilate-Based Neutral Coordination Polymer Nanosheets for Solvent Sensing. ACS Applied Nano Materials, 2020, 3, 94-104.	5.0	29
21	Near Equiatomic FeCo Nanocrystalline Alloy Embedded in an Alumina Aerogel Matrix:Â Microstructural Features and Related Magnetic Properties. Journal of Physical Chemistry B, 2005, 109, 23888-23895.	2.6	28
22	Co-doped MnFe₂O₄ nanoparticles: magnetic anisotropy and interparticle interactions. Beilstein Journal of Nanotechnology, 2019, 10, 856-865.	2.8	27
23	Anisotropic exchange interaction between nonmagnetic europium cations in Eu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	22
24	Dysprosium Chlorocyanoanilate-Based 2D-Layered Coordination Polymers. Inorganic Chemistry, 2019, 58, 13988-13998.	4.0	22
25	MÃ¶ssbauer spectroscopic investigation of some iron-containing sodium phosphate glasses. Journal of Non-Crystalline Solids, 1995, 192-193, 175-178.	3.1	20
26	Determination of Blocking Temperature in Magnetization and MÃ¶ssbauer Time Scale: A Functional Form Approach. Journal of Physical Chemistry C, 2017, 121, 16541-16548.	3.1	19
27	Structural features of a Eu3+ doped nuclear glass and gels obtained from glass leaching. Journal of Non-Crystalline Solids, 2003, 328, 207-214.	3.1	18
28	Magnetic properties of nanocrystalline CoFe2O4 dispersed in amorphous silica. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1561-1562.	2.3	18
29	Effect of the substrate ferroelastic transition on epitaxial La0.7Sr0.3MnO3 films grown on LaAlO3. European Physical Journal B, 2007, 55, 337-345.	1.5	18
30	Local order in amorphous Fe2Zr prepared by mechanical alloying and mechanical grinding. Journal of Non-Crystalline Solids, 1999, 250-252, 605-610.	3.1	17
31	Synthesis of bulk MgB2 superconductors by pulsed electric current. AICHE Journal, 2006, 52, 2618-2626.	3.6	15
32	Redox Activity as a Powerful Strategy to Tune Magnetic and/or Conducting Properties in Benzoquinone-Based Metal-Organic Frameworks. Magnetochemistry, 2021, 7, 109.	2.4	15
33	MÃ¶ssbauer spectroscopic investigation of iron in sodium phosphate glasses. Journal of Physics and Chemistry of Solids, 1995, 56, 877-881.	4.0	14
34	Hyperfine interactions at europium sites in oxide glasses. Physical Review B, 1996, 53, 6197-6202.	3.2	14
35	Synthesis and Physical Properties of Purely Organic BEDT-TTF-Based Conductors Containing Hetero-/Homosubstituted Cl/CN-Anilate Derivatives. Inorganic Chemistry, 2017, 56, 12564-12571.	4.0	14
36	Investigation of Eu³⁺ Site Occupancy in Cubic Y₂O₃ and Lu₂O₃ Nanocrystals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 551-557.	1.5	13

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37	Magnetic properties, MÃ¶ssbauer effect and first principle calculations study of laves phase HfFe2. European Physical Journal B, 2006, 50, 425-430.	1.5	13
38	Experimental evidence of two distinct charge carriers in underdoped cuprate superconductors. Physical Review B, 2008, 77, .	3.2	13
39	Electronic and structural properties of the layered SnSb2Te4 semiconductor: Ab initio total-energy and MÃ¶ssbauer spectroscopy study. Journal of Physics and Chemistry of Solids, 1992, 53, 791-796.	4.0	12
40	Investigation of cobaltâ€“iron alloy nanoparticles in silica matrix by X-ray diffraction and MÃ¶ssbauer spectroscopy. Journal of Non-Crystalline Solids, 2003, 330, 234-241.	3.1	11
41	Investigation of the ferromagnetic order in crystalline and amorphous Fe2Zr alloys. Journal of Magnetism and Magnetic Materials, 2004, 279, 421-428.	2.3	11
42	Investigation of the Reaction between Fe2O3 and Al Accomplished by Ball Milling and Self-Propagating High-Temperature Techniques. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1997, 52, 539-549.	1.5	10
43	Structural Diversity in a New Series of Halogenated Quinolyl Salicylaldimides-Based Fe^{III} Complexes Showing Solid-State Halogen-Bonding/HalogenÂ·Â·Â·Halogen Interactions. Crystal Growth and Design, 2018, 18, 4187-4199.	3.0	10
44	Self-assembly supramolecular architectures of chromium(III) complexes using croconate as building block. Dalton Transactions, 2009, , 557-563.	3.3	9
45	MÃ¶ssbauer investigation of rare earth sites in europium containing glasses. Journal of Non-Crystalline Solids, 1998, 232-234, 341-345.	3.1	8
46	Soft x-ray absorption and high-resolution powder x-ray diffraction study of superconducting Ca La1â^'Ba1.75â^'La0.25+Cu3O system. Journal of Physics and Chemistry of Solids, 2014, 75, 259-264.	4.0	8
47	Magnetic Molecular Conductors Based on Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF) and the Tris(chlorocyananilato)ferrate(III) Complex. Inorganic Chemistry, 2019, 58, 15359-15370.	4.0	8
48	Combined Experimental/Theoretical Study on the Luminescent Properties of Homoleptic/Heteroleptic Erbium(III) Anilate-Based 2D Coordination Polymers. Inorganic Chemistry, 2021, 60, 17765-17774.	4.0	8
49	The Underdoped Region of the Phase Diagram of YBa2Cu3O6+ x. Journal of Superconductivity and Novel Magnetism, 2005, 18, 769-772.	0.5	7
50	Pure ferromagnetism vs. reâ€entrant spin glass behaviour in epitaxial La_{0.7}Sr_{0.3}MnO₃ on SrTiO₃(001) and LaAlO₃(001): the role of the substrate structural transition. Physica Status Solidi (B): Basic Research, 2009, 246, 1948-1955.	1.5	7
51	Competing orders suppressed by disorder around a hidden quantum critical point in high-Tccuprate superconductors. Physical Review B, 2010, 82, .	3.2	7
52	MÃ¶ssbauer Investigation of Eu3+ Site Occupancy and Eu-O Covalency in Y2O3 and Gd2O3 Nanocrystals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2001, 56, 267-272.	1.5	6
53	Investigation of the ferromagnetic order in a crystalline Fe2Zr alloy. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1123-E1125.	2.3	6
54	Structure and characterisation of [Pt(Me2pipdt)2][Pt(mnt)2]2 and its unusual magnetic properties associated with a non-regular one-dimensional [Pt(mnt)2] stack. Chemical Physics Letters, 2006, 421, 361-366.	2.6	6

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55	Tuning the oxidation state and magnetic and coordination behaviour of iron and cobalt complexes by O/S variation in mono-thio and dithio-oxamide chelating ligands. New Journal of Chemistry, 2015, 39, 4716-4725.	2.8	6
56	Fluctuations in radioactive decays. I. Nonequilibrium effects and noise. Physical Review E, 1994, 49, 333-340.	2.1	5
57	Search for non-Poissonian behavior in nuclear Î² decay. Physical Review E, 1997, 55, 2546-2550.	2.1	5
58	Characterization of Stoichiometric Nanocrystalline Spinel Ferrites Dispersed on Porous Silica Aerogel. Journal of Nanoscience and Nanotechnology, 2011, 11, 10136-10141.	0.9	5
59	A Platinumâ€“Dithiolene Monoanionic Salt Exhibiting Multiproperties, Including Room-Temperature Proton-Dependent Solution Luminescence. Inorganic Chemistry, 2016, 55, 5118-5126.	4.0	5
60	Hybrid Spinel Iron Oxide Nanoarchitecture Combining Crystalline and Amorphous Parent Material. Journal of Physical Chemistry C, 2021, 125, 10611-10620.	3.1	5
61	Fluctuations in radioactive decays. II. Experimental results. Physical Review E, 1994, 49, 341-346.	2.1	4
62	Investigation of the Reaction between Fe2O3 and Si Activated by Ball Milling. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 915-922.	1.5	4
63	Hyperfine interactions at iron sites in amorphous Fe2Zr alloys. Journal of Physics and Chemistry of Solids, 1997, 58, 1341-1345.	4.0	4
64	Hyperfine Interactions at Lanthanide Sites in Europium Doped Oxide Glasses. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 499-506.	1.5	4
65	Magnetic clusters in superconducting lightly doped. Physica B: Condensed Matter, 2006, 374-375, 221-224.	2.7	4
66	Growth, characterization and MÃ¶ssbauer spectroscopic study of copper indium chalcostannates. Progress in Crystal Growth and Characterization of Materials, 1992, 25, 39-49.	4.0	3
67	Transputer-based parallel system for acquisition and on-line analysis of single-fiber electromyographic signals. Computer Methods and Programs in Biomedicine, 1992, 38, 245-252.	4.7	3
68	Local Structure of Europium Sites in Oxide Glasses by Nuclear Gamma Resonance. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1999, 54, 539-544.	1.5	3
69	Magnetism of the Compounds in the Hf-Co Phase System. Materials Science Forum, 2006, 518, 319-324.	0.3	3
70	Distribution of Eu3+ Dopant Ions in C3i and C2 Sites of the Nanocrystalline Sc2O3:Eu Phosphor. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 210-216.	1.5	3
71	Effect of the double doping mechanism on the phase diagram of. Physica B: Condensed Matter, 2009, 404, 706-709.	2.7	3
72	Radical Cation Salts of Tetramethyltetrathiafulvalene (TM-TTF) and Tetramethyltetraselenafulvalene (TM-TSF) with Chlorocyananilate-Based Anions. Crystal Growth and Design, 2020, 20, 6777-6786.	3.0	3

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73	Magnetic Susceptibility of the Cluster Compounds Mo₆Se₈ and Mo₆Te₈. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 221-225.	1.5	2
74	Investigation of Eu6C60 magnetic properties. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 544-545.	2.3	2
75	MÃ¶ssbauer effect and first principle calculations of the electronic structure and hyperfine interaction parameters of Hf2Fe. Journal of Physics and Chemistry of Solids, 2005, 66, 1815-1819.	4.0	2
76	Magnetic Properties and Electronic Structures of Compounds from the Hf-Co Phase System. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 452-456.	1.5	2
77	Investigation of Eu3+ Site Occupancy and Eu-O Covalency in Nanocrystalline Y2O3 by MÃ¶ssbauer Spectroscopy. , 2002, , 45-48.		1
78	Y₂O₃:Eu and the MÃ¶ssbauer isomer shift coefficient of Eu compounds from ab-initio simulations. Journal of Physics Condensed Matter, 2022, 34, 075502.	1.8	1
79	Investigation of a Peaked Feature in the Magnetic Susceptibility of YBa2Cu3O6.30 Samples. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 546-550.	1.5	0
80	The magnetization behavior of lightly doped YBa2Cu3O6+. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1325-1326.	2.3	0
81	Nanoscaled Metal-Organic Frameworks: Challenges Towards Biomedical Applications. Journal of Nanoscience and Nanotechnology, 2021, 21, 2922-2929.	0.9	0