

Guido Righini

List of Publications by Year in descending order

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papers

729
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471509

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#	ARTICLE	IF	CITATIONS
1	Organic-inorganic hybrids: From magnetic perovskite metal(II) halides to multifunctional metal(II) phosphonates. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 123-136.	18.8	60
2	Diamond nucleation and growth on different cutting tool materials: influence of substrate pre-treatments. <i>Diamond and Related Materials</i> , 1996, 5, 292-298.	3.9	55
3	Versatile Synthesis of Carbon-Rich LiFePO ₄ Enhancing Its Electrochemical Properties. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A85.	2.2	48
4	XPS analysis of the interface of ceramic thin films for humidity sensors. <i>Applied Surface Science</i> , 1993, 70-71, 363-366.	6.1	45
5	Cr[(H ₃ N ⁺ (CH ₂) ₂ PO ₃)(Cl)(H ₂ O)] _n : X-Ray Single-Crystal Structure and Magnetism of a Polar Organic-Inorganic Hybrid Chromium(II) Organophosphonate. <i>Inorganic Chemistry</i> , 2003, 42, 6345-6351.	4.0	42
6	BEDT-TTF Salts with .alpha.-Keggin Poly(oxometallates): Electrical, Magnetic, and Optical Properties of (BEDT-TTF) ₈ [PMo ₁₂ O ₄₀] and (BEDT-TTF) ₈ [SiW ₁₂ O ₄₀] and X-ray Crystal Structure of (BEDT-TTF) ₈ [PMo ₁₂ O ₄₀].cndot.{(CH ₃ CN.cndot.H ₂ O) ₂ }. <i>Chemistry of Materials</i> , 1995, 7, 1475-1484.	6.7	40
7	The effect of doping LiMn ₂ O ₄ spinel on its use as a cathode in Li-ion batteries: neutron diffraction and electrochemical studies. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 29-37.	4.0	39
8	A versatile method of preparation of carbon-rich LiFePO ₄ : A promising cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , 2005, 146, 544-549.	7.8	36
9	Comparison of the Structure and Magnetic Order in a Series of Layered Ni(II) Organophosphonates, Ni[(RPO) ₃](H ₂ O) (R = C ₆ H ₅ , CH ₃) Tj ETQq1 1 04784314 rgBT /Over		
10	Synthesis, X-ray Powder Structure, and Magnetic Properties of Layered Nill Methylphosphonate, [Ni(CH ₃ PO ₃)(H ₂ O)], and Nill Octadecylphosphonate, [Ni{CH ₃ -(CH ₂) ₁₇ -PO ₃ }(H ₂ O)]. <i>Chemistry - A European Journal</i> , 2003, 9, 1324-1331.	3.3	27
11	On the crystal structures and magnetism of some hybrid organic-inorganic metal organophosphonates. <i>Inorganica Chimica Acta</i> , 2008, 361, 3785-3799.	2.4	25
12	Novel Au/La _{1-x} Sr _x MnO ₃ and Au/La _{1-x} Sr _x CrO ₃ composites: Catalytic activity for propane partial oxidation and reforming. <i>Solid State Ionics</i> , 2007, 177, 3473-3484.	2.7	23
13	X-ray photoelectron spectroscopy investigation of MgAl ₂ O ₄ thin films for humidity sensors. <i>Journal of Materials Research</i> , 1994, 9, 1426-1433.	2.6	22
14	Layered hybrid organic-inorganic Co(II) alkylphosphonates. Synthesis, crystal structure and magnetism of the first two members of the series: Co[(CH ₃ PO ₃)(H ₂ O)] and Co[(C ₂ H ₅ PO ₃)(H ₂ O)]. <i>Journal of Solid State Chemistry</i> , 2006, 179, 389-397.	2.9	22
15	X-ray photoelectron spectroscopy characterization of stain-etched luminescent porous silicon films. <i>Journal of Luminescence</i> , 1998, 80, 159-162.	3.1	21
16	Influence of chemical composition on sensitivity and signal reproducibility of CdS sensors of oxygen. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 628-630.	7.8	19
17	Synthesis, structural determination and magnetic properties of layered hybrid organic-inorganic, iron (II) propylphosphonate, Fe[(CH ₃ (CH ₂) ₂ PO ₃)(H ₂ O)], and iron (II) octadecylphosphonate, Fe[(CH ₃ (CH ₂) ₁₇ PO ₃)(H ₂ O)]. <i>Journal of Solid State Chemistry</i> , 2006, 179, 579-589.	2.9	19
18	Azetidinium lead iodide: synthesis, structural and physico-chemical characterization. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10135-10148.	10.3	16

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19	Hydrothermal synthesis, structural characterization and magnetic studies of the new pillared microporous ammonium Fe(III) carboxyethylphosphonate: $[\text{NH}_4][\text{Fe}_2(\text{OH})\{\text{O}_3\text{P}(\text{CH}_2)_2\text{CO}_2\}_2]$. Journal of Solid State Chemistry, 2005, 178, 306-313.	2.9	14
20	An X-Ray Photoelectron Spectroscopic Study of Ancient Paper and Its Deterioration. Die Naturwissenschaften, 1998, 85, 171-175.	1.6	13
21	Spectral noise removal by new digital smoothing routine. Journal of Electron Spectroscopy and Related Phenomena, 1995, 74, 159-166.	1.7	12
22	Dimorphism in iron(II) methylphosphonate: Low-temperature crystal structure and temperature-dependent Mössbauer studies of a new form of the layered weak ferromagnet $\text{Fe}[(\text{CH}_3\text{PO}_3)(\text{H}_2\text{O})]$. Journal of Solid State Chemistry, 2005, 178, 1125-1132.	2.9	12
23	A Novel 1D-AF Hybrid Organic-Inorganic Chromium(II) Methyl Phosphonate Dihydrate: Synthesis, X-Ray Crystal and Molecular Structure, and Magnetic Properties. Inorganic Chemistry, 2010, 49, 7472-7477.	4.0	12
24	Surface composition of alkali-doped TiO_2 films for sensors investigated by XPS. Sensors and Actuators B: Chemical, 1995, 25, 886-888.	7.8	11
25	A new approach for curve-resolving photoemission peaks in XPS. Surface and Interface Analysis, 1991, 17, 689-692.	1.8	9
26	Chemical aspects in thermal treatment of $\text{ZrO}_2\text{-CeO}_2\text{-Y}_2\text{O}_3$ alloy. Applied Surface Science, 1992, 55, 257-267.	6.1	9
27	Noise removal from Auger images by using adaptive binomial filter. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 399-404.	1.7	8
28	Nickel(II) 3,4,9,10-Perylenediimide bis-Phosphonate Pentahydrate: A Metal-Organic Ferromagnetic Dye. Inorganic Chemistry, 2012, 51, 7332-7339.	4.0	8
29	Magnetic Order Through Super-Superexchanges in the Polar Magnetoelectric Organic-Inorganic Hybrid $\text{Cr}[(\text{D}_3\text{N}(\text{CH}_2)_2\text{PO}_3)(\text{Cl})(\text{D}_2\text{O})]$. Inorganic Chemistry, 2013, 52, 753-760.	4.0	8
30	Highly selective vapor phase propene hydroformylation catalyzed by RhB and Rh-Co systems on silica. Journal of Molecular Catalysis A, 1996, 112, 43-54.	4.8	6
31	Synthesis and characterization of a new layered organic-inorganic hybrid nickel(II) 1,4:5,8-naphthalenediimide bis-phosphonate, exhibiting canted antiferromagnetism, with $T_c \approx 421\text{K}$. Journal of Solid State Chemistry, 2008, 181, 1213-1219.	2.9	6
32	Microstructure and surface composition of ferromagnetic thick films prepared with NiCo polyol-derived powders. Thin Solid Films, 2000, 359, 21-27.	1.8	3
33	Ni(II)octadecylphosphonate: an inorganic/organic layered weak-ferromagnet. Polyhedron, 2003, 22, 2463-2469.	2.2	3
34	A method to subtract the transmission and dispersion analyser effect from high-intensity, low-resolution XPS spectra. Surface and Interface Analysis, 1993, 20, 655-658.	1.8	2
35	Mercury complexes with 1,2,6,7-tetracyano-3,5-dihydro-3,5-diimino-pyrrolizidine. Polyhedron, 1999, 18, 799-806.	2.2	1
36	Neutron powder diffraction study of the layer organic-inorganic hybrid iron(II) methylphosphonate-hydrate, $\text{Fe}[(\text{CD}_3\text{PO}_3)(\text{D}_2\text{O})]$. Journal of Solid State Chemistry, 2008, 181, 3005-3009.	2.9	0