

Paolo Ghigna

List of Publications by Year in descending order

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181
papers

3,429
citations

136740

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h-index

197535

49
g-index

189
all docs

189
docs citations

189
times ranked

5065
citing authors

#	ARTICLE	IF	CITATIONS
1	Observing the oxidation state turnover in heterogeneous iridium-based water oxidation catalysts. <i>Chemical Science</i> , 2014, 5, 3591.	3.7	190
2	Thermal dehydroxylation of kaolinite under isothermal conditions. <i>Applied Clay Science</i> , 2013, 80-81, 417-425.	2.6	109
3	Easy Accommodation of Different Oxidation States in Iridium Oxide Nanoparticles with Different Hydration Degree as Water Oxidation Electrocatalysts. <i>ACS Catalysis</i> , 2015, 5, 5104-5115.	5.5	105
4	Anomalous Dispersion of Longitudinal Optical Phonons in $\text{Nd}_{1.86}\text{Ce}_{0.14}\text{CuO}_4$ Determined by Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2002, 88, 167002.	2.9	92
5	Coupling between Spin and Orbital Degrees of Freedom in KCuF_3 . <i>Physical Review Letters</i> , 2002, 88, 106403.	2.9	83
6	Lithiation Mechanism in High-Entropy Oxides as Anode Materials for Li-Ion Batteries: An Operando XAS Study. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50344-50354.	4.0	78
7	Enhanced Electrocatalytic Oxygen Evolution in Au-Fe Nanoalloys. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6589-6593.	7.2	72
8	Resonant x-ray scattering study of magnetic and orbital order in KCuF_3 . <i>Physical Review B</i> , 2002, 65, .	1.1	71
9	Magnetic, optical and relaxometric properties of organically coated gold-magnetite ($\text{Au-Fe}_3\text{O}_4$) hybrid nanoparticles for potential use in biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2373-2379.	1.0	64
10	Spin-Polarization Transfer in Colloidal Magnetic-Plasmonic Au/Iron Oxide Hetero-nanocrystals. <i>ACS Nano</i> , 2013, 7, 857-866.	7.3	64
11	X-ray magnetic-circular-dichroism spectra on the superparamagnetic transition-metal ion clusters Mn_{12} and Fe_8 . <i>Physical Review B</i> , 2001, 64, .	1.1	61
12	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , 2015, 8, 4007-4023.	5.8	61
13	Extreme undercooling (down to 90K) of liquid metal nanoparticles. <i>Applied Physics Letters</i> , 2006, 89, 033123.	1.5	59
14	The ReFLXAFS station at the GILDA beamline (BM08) of ESRF. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 260-264.	1.0	53
15	Luminescence of Eu^{3+} Activated CaF_2 and SrF_2 Nanoparticles: Effect of the Particle Size and Codoping with Alkaline Ions. <i>Crystal Growth and Design</i> , 2018, 18, 686-694.	1.4	52
16	Lattice Disorder, Electric Properties, and Magnetic Behavior of $\text{La}_{1-x}\text{Na}_x\text{MnO}_3$ Manganites. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2500-2505.	1.2	48
17	Optical Evidence for Symmetry Changes above the Néel Temperature of KCuF_3 . <i>Physical Review Letters</i> , 2008, 101, 157406.	2.9	46
18	A new eight-cation inverse high entropy spinel with large configurational entropy in both tetrahedral and octahedral sites: Synthesis and cation distribution by X-ray absorption spectroscopy. <i>Scripta Materialia</i> , 2020, 188, 26-31.	2.6	46

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19	An Operando X-ray Absorption Spectroscopy Study of a NiCu ²⁺ /TiO ₂ Photocatalyst for H ₂ Evolution. ACS Catalysis, 2020, 10, 8293-8302.	5.5	46
20	Stabilization by Configurational Entropy of the Cu(II) Active Site during CO Oxidation on Mg _{0.2} Co _{0.2} Ni _{0.2} Cu _{0.2} Zn _{0.2} O. Journal of Physical Chemistry Letters, 2020, 11, 3589-3593.	2.1	46
21	Synthesis, EXAFS investigation and optical spectroscopy of nanocrystalline Gd ₃ Ga ₅ O ₁₂ doped with Ln ³⁺ ions (Ln=Eu, Pr). Optical Materials, 2008, 30, 1162-1167.	1.7	45
22	$\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{CdEr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Se} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Cu} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0.2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Zn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0.2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O}.$ A New Erbium Spin Ice System in a Spinel Structure. Physical Review Letters, 2010, 104, 247203.	2.9	45
23	Fixed Energy X-ray Absorption Voltammetry. Analytical Chemistry, 2013, 85, 7009-7013.	3.2	45
24	Structural and Transport Properties of Mg _{1-x} MnxMn ₂ O ₄ ± $\hat{\Gamma}$ Spinels. Journal of Solid State Chemistry, 2002, 166, 171-176.	1.4	44
25	Disentangling multipole resonances through a full x-ray polarization analysis. Physical Review B, 2007, 76, .	1.1	44
26	Dewetting of PtCu Nanoalloys on TiO ₂ Nanocavities Provides a Synergistic Photocatalytic Enhancement for Efficient H ₂ Evolution. ACS Applied Materials & Interfaces, 2020, 12, 38211-38221.	4.0	40
27	An Efficient Cu _x O Photocathode for Hydrogen Production at Neutral pH: New Insights from Combined Spectroscopy and Electrochemistry. ACS Applied Materials & Interfaces, 2016, 8, 21250-21260.	4.0	39
28	Metallic versus Covalent Bonding: Ga Nanoparticles as a Case Study. Journal of the American Chemical Society, 2007, 129, 8026-8033.	6.6	37
29	3D-printed photo-spectroelectrochemical devices for <i>in situ</i> and <i>in operando</i> X-ray absorption spectroscopy investigation. Journal of Synchrotron Radiation, 2016, 23, 622-628.	1.0	37
30	Fe-Doped Zirconium Oxide Produced by Self-Sustained High-Temperature Synthesis: Evidence for an Fe ²⁺ Zr Direct Bond. Journal of the American Chemical Society, 1999, 121, 301-307.	6.6	34
31	Local structure of the Ce ³⁺ ion in the yellow emitting phosphor YAG:Ce. Optical Materials, 2011, 34, 19-22.	1.7	34
32	Remnant magnetization of Fe ₈ high-spin molecules: X-ray magnetic circular dichroism at 300 mK. Journal of Applied Physics, 2007, 101, 113920.	1.1	32
33	Fischer-Tropsch synthesis: EXAFS study of Ru and Pt bimetallic Co based catalysts. Fuel, 2014, 132, 62-70.	3.4	32
34	Dynamical Dzyaloshinsky-Moriya Interaction in $\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{KCuF} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle.$ Physical Review Letters, 2008, 101, 147601.	2.9	31
35	Correlation between hole density and oxygen excess in the Bi ₂ Sr ₂ CaCu ₂ O ₈ + $\hat{\Gamma}$ superconductor. Physical Review B, 1998, 57, 13426-13429.	1.1	30
36	EXAFS/XANES Evidence of <i>In Situ</i> Cesium Reduction in Cs ⁺ Ru/C Catalysts for Ammonia Synthesis. Inorganic Chemistry, 2011, 50, 3757-3765.	1.9	30

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37	Spectroscopic Enlightening of the Local Structure Of VO _x Active Sites in Catalysts for the Odh of Propane. Journal of Physical Chemistry C, 2012, 116, 22386-22398.	1.5	30
38	IrO ₂ -Based Disperse-Phase Electrocatalysts: A Complementary Study by Means of the Cavity-Microelectrode and Ex-Situ X-ray Absorption Spectroscopy. Journal of Physical Chemistry A, 2012, 116, 6497-6504.	1.1	29
39	Incorporation of Trivalent Cations in Synthetic Garnets A ₃ B ₅ O ₁₂ (A = Y, Lu~La, B = Al, Fe, Ga). Journal of Physical Chemistry B, 2006, 110, 6561-6568.	1.2	28
40	The atomic and electronic structure of cerium substitutional defects in Nd _{2-x} Ce _x CuO ₄ +δ An XAS study. Physica C: Superconductivity and Its Applications, 1995, 253, 147-155.	0.6	26
41	Î±- and Î³-FeOOH: Stability, Reversibility, and Nature of the Active Phase under Hydrogen Evolution. ACS Applied Energy Materials, 2018, 1, 1716-1725.	2.5	26
42	Multivariate curve resolution analysis of operando XAS data for the investigation of the lithiation mechanisms in high entropy oxides. Chemical Physics Letters, 2020, 760, 137968.	1.2	26
43	Nature and amount of carriers in Ce doped Nd ₂ CuO ₄ I. High-temperature characterization. Physica C: Superconductivity and Its Applications, 1995, 254, 359-369.	0.6	25
44	Germanium K edge in GeO ₂ polymorphs. Correlation between local coordination and electronic structure of germanium. Physical Chemistry Chemical Physics, 2003, 5, 1451-1456.	1.3	24
45	Unusual Ln ³⁺ substitutional defects: The local chemical environment of Pr ³⁺ and Nd ³⁺ in nanocrystalline TiO ₂ by Ln K edge EXAFS. Journal of Solid State Chemistry, 2007, 180, 3296-3301.	1.4	24
46	Effect of high pressure on competing exchange couplings in Li_2VO_5 Physical Review B, 2008, 77, .	1.1	24
47	Structural and Thermodynamic Properties of Nanoparticle-Protein Complexes: A Combined SAXS and SANS Study. Langmuir, 2017, 33, 2248-2256.	1.6	24
48	Amphoteric behaviour of Er ³⁺ dopants in BaTiO ₃ : an Er LIII edge EXAFS assessment. Physical Chemistry Chemical Physics, 2004, 6, 3710-3713.	1.3	23
49	Local Structure and Electronic Properties of the Rhombohedral and Orthorhombic Colossally Magnetoresistive Manganites La _{1-x} NaxMnO ₃ by Mn K Edge EXAFS and XANES. Journal of Physical Chemistry B, 2005, 109, 4365-4372.	1.2	23
50	Magnetic and X-ray diffraction investigation on Mg _{1-x} Mn _{2+x} O ₄ spinels. Solid State Communications, 2001, 119, 591-595.	0.9	22
51	Dependence of the Ce(III)/Ce(IV) ratio on intracellular localization in ceria nanoparticles internalized by human cells. Nanoscale, 2017, 9, 1527-1538.	2.8	22
52	The Missing Piece: The Structure of the Ti ₃ C ₂ T _x MXene and Its Behavior as Negative Electrode in Sodium Ion Batteries. Nano Letters, 2021, 21, 8290-8297.	4.5	22
53	Operando x-ray absorption spectroscopy on battery materials: a review of recent developments. JPhys Energy, 2021, 3, 032006.	2.3	21
54	Incorporation of Yb ³⁺ ions in multicomponent phase-separated fibre glass preforms. Optical Materials, 2012, 34, 660-664.	1.7	20

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55	Lanthanide doped strontium barium niobate: Optical spectroscopy and local structure at the impurity sites. <i>Journal of Alloys and Compounds</i> , 2008, 451, 12-17.	2.8	19
56	Structure and Stability of a Copper(II) Lactate Complex in Alkaline Solution: a Case Study by Energy-Dispersive X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 6982-6989.	1.9	19
57	Understanding Solid-Gas Reaction Mechanisms by Operando Soft X-Ray Absorption Spectroscopy at Ambient Pressure. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14202-14212.	1.5	19
58	Spin dynamics in Sr ₁₄ Cu ₂₄ O ₄₁ from ⁶³ Cu NQR-NMR and susceptibility measurements. <i>Physical Review B</i> , 1997, 56, 14587-14596.	1.1	18
59	A Combined Nuclear Magnetic Resonance and X-ray Absorption Fine Structure Study on the Local Structures of Ge and Pb in PbO-GeO ₂ Glasses and Their Relationships with Thermal Properties and Devitrification Products. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9802-9809.	1.2	18
60	Is configurational entropy the main stabilizing term in rock-salt Mg _{0.2} Co _{0.2} Ni _{0.2} Cu _{0.2} Zn _{0.2} O high entropy oxide?. <i>Nature Communications</i> , 2022, 13, .	5.8	18
61	EXAFS evidence of interstitial oxygen defects in Nd ₂ CuO ₄ + δ . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 246, 345-350.	0.6	17
62	An Mn K Edge XAS Investigation on the Crystal Chemistry of Cd _{1-x} Mn _{2x} O _y . <i>Journal of Solid State Chemistry</i> , 2000, 149, 252-255. Crystal structure and structural phase transitions in the GdBaCo₃	1.4	17
63	Mn_{2-x}O cobaltite. <i>Physical Review B</i> , 2011, 84, .	1.1	17
64	Geopolymers from low-T activated kaolin: Implications for the use of alunite-bearing raw materials. <i>Applied Clay Science</i> , 2015, 114, 530-539.	2.6	17
65	Operando and Time-Resolved X-Ray Absorption Spectroscopy for the Study of Photoelectrode Architectures. <i>Electrochimica Acta</i> , 2016, 207, 16-21.	2.6	17
66	Time-Resolved X-ray Absorption Spectroscopy in (Photo)Electrochemistry. <i>Surfaces</i> , 2018, 1, 138-150.	1.0	17
67	Dielectric Effects in FeO-Coated Au Nanoparticles Boost the Magnetoplasmonic Response: Implications for Active Plasmonic Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 1057-1066.	2.4	17
68	Structural and mechanistic insights into low-temperature CO oxidation over a prototypical high entropy oxide by Cu L-edge operando soft X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26575-26584.	1.3	17
69	Charge ordering transition in GdBaCo ₂ O ₅ : Evidence of reentrant behavior. <i>Physical Review B</i> , 2013, 88, .	1.1	16
70	Observation of charge transfer cascades in $\text{Fe}_2\text{O}_3/\text{IrO}_x$ photoanodes by operando X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5715-5720.	1.3	16
71	Preparation, structural and magnetic characterisation of RF-sputtered La _{1-x} NaxMnO ₃ $\pm\delta$ thin films manganites. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2274-2278.	1.3	15
72	Structural investigation and luminescence of nanocrystalline lanthanide doped NaNbO ₃ and Na _{0.5} K _{0.5} NbO ₃ . <i>Journal of Solid State Chemistry</i> , 2012, 196, 1-10.	1.4	14

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73	Nanoaggregates of iron poly-oxo-clusters obtained by laser ablation in aqueous solution of phosphonates. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 208-216.	5.0	14
74	Operando X-ray absorption spectroscopy of WO ₃ photoanodes. <i>Electrochimica Acta</i> , 2019, 320, 134561.	2.6	14
75	NdBa ₂ Cu ₃ O _{6+x} (Nd-123): low- and high-temperature conductivity. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 316, 13-20.	0.6	13
76	Probing the initial stages of solid-state reactions by total reflection EXAFS (reflEXAFS). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 421-424.	0.6	13
77	Do we have a probe for the initial stages of solid state reactions?. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2244-2247.	1.3	13
78	In Situ Dispersive EXAFS in Electrocatalysis: The Investigation of the Local Structure of IrO _x in Chronoamperometric Conditions as a Case Study. <i>Journal of Spectroscopy</i> , 2014, 2014, 1-7.	0.6	13
79	Oxygen non-stoichiometry and high temperature DC conductivity of SmBa ₂ Cu ₃ O _{6+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1998, 308, 257-263.	0.6	12
80	ELECTRON-PHONON INTERACTION IN N-DOPED CUPRATES: AN INELASTIC X-RAY SCATTERING STUDY. <i>International Journal of Modern Physics B</i> , 2003, 17, 484-492.	1.0	12
81	¹²⁹ XANES mapping of buried interfaces: pushing microbeam techniques to the nanoscale. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5547.	1.3	12
82	Solid state synthesis of YBa ₂ Cu ₃ O _{7-x} : Mechanisms of BaCuO ₂ formation. <i>Journal of Physics and Chemistry of Solids</i> , 1991, 52, 715-721.	1.9	11
83	Kinetics and mechanisms of formation of the Bi ₂ Sr ₂ CuO _x superconductor. <i>Journal of Physics and Chemistry of Solids</i> , 1993, 54, 107-116.	1.9	11
84	Nature and amount of carriers in Ce-doped Nd ₂ CuO ₄ II: Low temperature transport and XAS characterisation. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 268, 150-160.	0.6	11
85	Local structural properties of (Mn,Fe)Nb ₂ O ₆ from Mössbauer and X-ray absorption spectroscopy. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 250-257.	1.8	11
86	Local Chemical Environment of Pr ³⁺ Substitutional Defects in Bulk and Nanocrystalline Gd ₃ Ga ₅ O ₁₂ : A Joint EXAFS and Luminescence Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12236-12242.	1.5	11
87	Thermal expansion of alunite up to dehydroxylation and collapse of the crystal structure. <i>Mineralogical Magazine</i> , 2012, 76, 613-623.	0.6	11
88	Mechanisms of Zinc Oxide Nanocrystalline Thin Film Formation by Thermal Degradation of Metal-Loaded Hydrogels. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25108-25117.	1.5	11
89	Fixed Energy X-ray Absorption Voltammetry and Extended X-ray Absorption fine Structure of Ag nanoparticle electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 766, 71-77.	1.9	11
90	Feasibility of electron and hole injection in heavily doped strontium barium niobate (SBN50) Sr _{0.5} Ba _{0.5} Nb ₂ O ₆ for thermoelectric applications. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	11

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91	In situ characterizations of photoelectrochemical cells for solar fuels and chemicals. <i>MRS Energy & Sustainability</i> , 2020, 7, 1.	1.3	11
92	Small polarons in undoped Nd ₂ CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 251, 89-96.	0.6	10
93	Magnetic investigation of Mn ions in (Cd ^x Mn _{1-x})Mn ₂ O ₄ spinels. <i>Solid State Communications</i> , 2001, 117, 511-515.	0.9	10
94	Direct Observation of Photoinduced Higher Oxidation States at a Semiconductor/Electrocatalyst Junction. <i>ACS Catalysis</i> , 2020, 10, 10476-10487.	5.5	10
95	Evidence of charge carrier interaction above T _c in the Nd _{1.85} Ce _{0.15} CuO ₄ superconductor. <i>Physical Review B</i> , 1998, 58, 9385-9389.	1.1	9
96	Zeeman perturbed nuclear quadrupole resonance investigation of orbitally ordered KCuF ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 935-938.	1.0	9
97	Strong Electronic Correlations in Li _x Zn _{1-x} Pc Organic Metals. <i>Physical Review Letters</i> , 2008, 100, 117601.	2.9	9
98	Site location and crystal field of Nd ³⁺ ions in congruent strontium barium niobate. <i>Physical Review B</i> , 2009, 80, .	1.1	9
99	Role of Interfacial Energy and Crystallographic Orientation on the Mechanism of the ZnO + Al ₂ O ₃ → ZnAl ₂ O ₄ Solid-State Reaction: I. Reactivity of Films Deposited onto the Sapphire (110) and (012) Faces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6105-6112.	1.5	9
100	Spin Dynamics in Hybrid Iron Oxide-Gold Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1224-1233.	1.5	9
101	Operando X-ray Absorption Spectroscopy (XAS) Observation of Photoinduced Oxidation in FeNi (Oxy)hydroxide Overlayers on Hematite (Fe ₂ O ₃) Photoanodes for Solar Water Splitting. <i>Langmuir</i> , 2020, 36, 11564-11572.	1.6	9
102	Phase formation and physical properties in the Bi ₂ O ₃ /SrO/CuO system near the 2:2:1 (Bi:Sr:Cu) stoichiometry. <i>Journal of Physics and Chemistry of Solids</i> , 1992, 53, 591-599.	1.9	8
103	Chemical diffusion in the Bi, Sr, Ca, Cu/O system. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 217, 347-359.	0.6	8
104	An environmental chamber for powder diffractometers and for temperatures up to 1200 °C under various atmospheres and vacuum. <i>Powder Diffraction</i> , 1993, 8, 210-213.	0.4	8
105	Local order of Ag in Ag _{1-x} Ag ₂ MoO ₄ glasses: an EXAFS study. <i>Solid State Ionics</i> , 2000, 136-137, 479-481.	1.3	8
106	Nanoscale formation of new solid-state compounds by topochemical effects: The interfacial reactions ZnO with Al ₂ O ₃ as a model system. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1291-1296.	1.4	8
107	Dilution effects in Ho _{2-x} Y _x Sn ₂ O ₇ : From the spin ice to the single-ion magnet. <i>Journal of Physics: Conference Series</i> , 2009, 145, 012033.	0.3	8
108	Mechanisms of Reactions in the Solid State: (110) Al ₂ O ₃ + (001) ZnO Interfacial Reaction. <i>Journal of Physical Chemistry C</i> , 2012, 116, 980-986.	1.5	8

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109	Role of Interfacial Energy and Crystallographic Orientation on the Mechanism of the $ZnO + Al_2O_3 \rightarrow ZnAl_2O_4$ Solid-State Reaction: II. Reactivity of Films Deposited onto the Sapphire (001) Face. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6113-6119.	1.5	8
110	The dynamics of pseudocapacitive phenomena studied by Energy Dispersive X-Ray Absorption Spectroscopy on hydrous iridium oxide electrodes in alkaline media. <i>Electrochimica Acta</i> , 2016, 212, 247-253.	2.6	8
111	Dynamics of oxide growth on Pt nanoparticles electrodes in the presence of competing halides by operando energy dispersive X-Ray absorption spectroscopy. <i>Electrochimica Acta</i> , 2018, 270, 378-386.	2.6	8
112	Susceptibility and ^{89}Y nuclear magnetic resonance in $Y_{1-x}Ca_xVO_3$. <i>Journal of Applied Physics</i> , 1996, 79, 6624.	1.1	7
113	Synthesis, Stoichiometry, and Electrical Transport Properties of $(Cd_{1-x}Mn_x)Mn_2O_4$. <i>Journal of Solid State Chemistry</i> , 2000, 153, 231-236.	1.4	7
114	Computer simulation approach to reliability and accuracy in EXAFS structural determinations. <i>Journal of Applied Crystallography</i> , 2001, 34, 325-329.	1.9	7
115	Synthesis, ^{89}Y and ^{51}V -NMR of Er-doped zircon-type YVO_4 and $LuVO_4$. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1692-1696.	1.4	7
116	Magnetism of $Mg_{1-x}Mn_xO_4$ spinels by SQUID magnetometry and muon spin rotation spectroscopy. <i>Physical Review B</i> , 2006, 73, .	1.1	7
117	Local chemical environment of Nd^{3+} , Eu^{3+} , and Er^{3+} luminescent centers in lead germanate glasses. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	7
118	Nanostructured calcium cobalt oxide $Ca_3Co_4O_9$ as thermoelectric material. Effect of nanostructure on local coordination, Co charge state and thermoelectric properties. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 143, 109474.	1.9	7
119	Susceptibility and Evidences of Charge Carriers Interaction above T_c in $Nd_{1.85}Ce_{0.15}CuO_4 + \delta$. <i>International Journal of Modern Physics B</i> , 1999, 13, 1151-1156.	1.0	6
120	The $Eu_{1-x}Ba_{2-x}Cu_3O_y$ system: oxygen content, phase transitions, point defect equilibria, and charge carriers. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 606-612.	1.3	6
121	Title is missing!. <i>Journal of Materials Synthesis and Processing</i> , 2001, 9, 31-37.	0.3	6
122	Magnetic transition in orbitally ordered $KCuF_3$, K_2CuF_4 and heterovalently substituted compounds. <i>Physica B: Condensed Matter</i> , 2003, 326, 427-430.	1.3	6
123	Local structure around Ce in the $Nd_{2-x}Ce_xCuO_{4\pm\delta}$ superconductor probed by EXAFS. <i>European Physical Journal B</i> , 2004, 41, 31-42.	0.6	6
124	Low-alkali metal content in \hat{I}^2 -vanadium mixed bronzes: The crystal structures of \hat{I}^2 - $K_x(V,Mo)_6O_{15}$ ($x=0.23$) T_j ETQq0,0 0 rgBT ₆ /Overlock	1.4	6
125	Unusual Ln^{3+} substitutional defects: The local chemical environment of Eu^{3+} and Er^{3+} in nanocrystalline Nb_2O_5 by Ln^{3+} K edge EXAFS. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 400-403.	1.9	6
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