

MarÃ-a Luisa SanjuÃ;n

List of Publications by Year in descending order

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98
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2,387
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218592

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101
all docs

101
docs citations

101
times ranked

3248
citing authors

#	ARTICLE	IF	CITATIONS
19	Structural Study of the Apatite $\text{Nd}_8\text{Sr}_2\text{Si}_6\text{O}_{26}$ by Laue Neutron Diffraction and Single-Crystal Raman Spectroscopy. <i>Inorganic Chemistry</i> , 2014, 53, 9416-9423.	1.9	7
20	Cubic phases of garnet-type $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$: the role of hydration. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11419.	5.2	294
21	"Laser chemistry" synthesis, physicochemical properties, and chemical processing of nanostructured carbon foams. <i>Nanoscale Research Letters</i> , 2013, 8, 233.	3.1	12
22	High-pressure Raman scattering study of defect chalcopyrite and defect stannite ZnGa_2Se_4 . <i>Journal of Applied Physics</i> , 2013, 113, 233501.	1.1	17
23	Spectroscopic study of the competition between dehydration and carbonation effects in La_2O_3 -based materials. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2103-2110.	2.8	45
24	Thermally activated cation ordering in ZnGa_2Se_4 single crystals studied by Raman scattering, optical absorption, and <i>ab initio</i> calculations. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 165802.	0.7	12
25	Order/disorder phenomena in $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$ ordered vacancy compounds: high temperature neutron powder diffraction experiments. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 485402.	0.7	1
26	Laser synthesis and luminescence properties of $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+}$, Dy^{3+} phosphors. <i>Journal of the European Ceramic Society</i> , 2012, 32, 4363-4369.	2.8	39
27	The role of Ce reduction in the segregation of metastable phases in the $\text{ZrO}_2\text{-CeO}_2$ system. <i>Journal of the European Ceramic Society</i> , 2012, 32, 689-696.	2.8	17
28	Apatite germanates doped with tungsten: synthesis, structure, and conductivity. <i>Dalton Transactions</i> , 2011, 40, 3903-3908.	1.6	29
29	Raman and x-ray absorption spectroscopy study of the phase evolution induced by mechanical milling and thermal treatments in $\text{R}_2\text{Ti}_2\text{O}_7$ pyrochlores. <i>Physical Review B</i> , 2011, 84, .	1.1	66
30	Phase evolution in reaction sintered zirconium titanate based materials. <i>Journal of the European Ceramic Society</i> , 2010, 30, 981-991.	2.8	15
31	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. <i>Carbon</i> , 2010, 48, 1807-1814.	5.4	13
32	Raman spectroscopy studies of apatite-type germanate oxide ion conductors: correlation with interstitial oxide ion location and conduction. <i>Journal of Materials Chemistry</i> , 2010, 20, 2170.	6.7	30
33	Temperature-dependent studies of the geometrically frustrated pyrochlores $\text{Ho}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2009, 79, .	1.1	78
34	Thermally activated cation ordering in $\text{Zn}_{0.5}\text{Mn}_{0.5}\text{Ga}_2\text{Se}_4$ single crystals studied by Raman scattering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1182-1186.	0.8	10
35	Multiphase Transformations Controlled by Ostwald's Rule in Nanostructured $\text{Ce}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Powders Prepared by a Modified Pechini Route. <i>Inorganic Chemistry</i> , 2009, 48, 9693-9699.	1.9	13
36	New insights in the structure-luminescence relationship of $\text{Eu}:\text{SrAl}_2\text{O}_4$. <i>Journal of Alloys and Compounds</i> , 2009, 484, 693-697.	2.8	39

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55	Enhanced hydrogen adsorption on single-wall carbon nanotubes by sample reduction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 108, 120-123.	1.7	29
56	Porosity, Surface Area, Surface Energy, and Hydrogen Adsorption in Nanostructured Carbons. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15820-15826.	1.2	112
57	Single-Walled Carbon Nanotubes as Electrodes in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2004, 151, A831.	1.3	118
58	Influence of Quenching Treatments on Structure and Conductivity of the $\text{Li}_3\text{xLa}_2/3\text{-xTiO}_3$ Series. <i>Chemistry of Materials</i> , 2003, 15, 225-232.	3.2	50
59	Low-temperature structural and Raman studies on rare-earth gallates. <i>Physical Review B</i> , 2003, 68, .	1.1	36
60	Lithium dynamics and disorder effects in the Raman spectrum of $\text{La}(2\hat{x})/3\text{Li}_x\text{TiO}_3$. <i>Physical Review B</i> , 2002, 66, .	1.1	26
61	Low Frequency Anomalous Dielectric and Elastic Behaviour of Calcium Substituted Lead Titanate Ceramics in the Paraelectric Phase. <i>Ferroelectrics</i> , 2002, 269, 69-74.	0.3	0
62	Antiferroelectric Instability in Double Perovskite Systems $\text{La}(2\hat{x})/3\text{Li}_x\text{TiO}_3$, $\text{La}(1\hat{x})/3\text{Li}_x\text{TaO}_3$ and $\text{La}(1\hat{x})/3\text{Li}_x\text{NbO}_3$. <i>Ferroelectrics</i> , 2002, 272, 63-68.	0.3	11
63	Raman study of $\text{Zn}_{1-\hat{x}}\text{Mn}_x\text{Ga}_2\text{Se}_4$ diluted magnetic semiconductors: disorder and resonance effects. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 565-567.	1.3	8
64	Microstructural development of the $\text{La}_{0.5}\text{Li}_{0.5}\text{TiO}_3$ lithium ion conductor processed by the laser floating zone (LFZ) method. <i>Journal of Materials Chemistry</i> , 2001, 11, 125-130.	6.7	17
65	Influence of the Structure on the Electrochemical Performance of Lithium Transition Metal Phosphates as Cathodic Materials in Rechargeable Lithium Batteries: A New High-Pressure Form of LiMPO_4 (M = Fe and Ni). <i>Chemistry of Materials</i> , 2001, 13, 1570-1576.	3.2	184
66	Raman study of antiferroelectric instability in $\text{La}(2\hat{x})/3\text{Li}_x\text{TiO}_3$ ($0.1 < \hat{x} < 0.5$) double perovskites. <i>Physical Review B</i> , 2001, 64, .	1.1	28
67	A New Approach to Obtain Strip-Structured Biepitaxial $\text{YBa}_2\text{Cu}_3\text{O}_{7-\hat{x}}$ Films by Using Ca-Stabilized Zirconia-CaZrO ₃ Eutectic Substrates. <i>Advanced Materials</i> , 2000, 12, 116-119.	11.1	12
68	Structured $\text{YBa}_2\text{Cu}_3\text{O}_{7-\hat{x}}$ thin films grown on aligned calcium stabilized zirconia-calcium zirconate lamellar eutectic substrates. <i>European Physical Journal Special Topics</i> , 1999, 09, Pr8-307-Pr8-311.	0.2	0
69	The Configuration of \hat{x} Carotene in the Photosystem II Reaction Center. <i>Photochemistry and Photobiology</i> , 1998, 68, 729-737.	1.3	16
70	Raman and x-ray study of perovskite solid solutions. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 11687-11702.	0.7	40
71	Non-resonant behavior of the Raman mode in $\text{Pr}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. A Raman study of $\text{Pr}_{2\hat{x}}\hat{x}\hat{y}\text{Gd}_y\text{Ce}_x\text{CuO}_4$ ($\hat{x} \hat{y} \hat{z} \hat{w} \hat{v} \hat{u} \hat{t} \hat{s} \hat{r} \hat{q} \hat{p} \hat{o} \hat{n} \hat{m} \hat{l} \hat{k} \hat{j} \hat{i} \hat{h} \hat{g} \hat{f} \hat{e} \hat{d} \hat{c} \hat{b} \hat{a}$). <i>Solid State Communications</i> , 1997, 102, 413-418.	0.9	3
72	Strain and phonon shifts in $\text{GaAs}_{1-\hat{x}}\text{Px}$ alloys. <i>Applied Physics Letters</i> , 1996, 68, 1805-1807.	1.5	13

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73	Raman study of the NH ₄ ⁺ librational phonon coupling in NH ₄ MnF ₃ . Physica B: Condensed Matter, 1996, 217, 227-234.	1.3	7
74	Raman spectrum of Pr ₂ CuO ₄ : Crystal-field transitions of Pr ³⁺ and the A* mode. Physical Review B, 1995, 52, 13000-13005.	1.1	17
75	Enhanced Raman scattering of phonons in CaF ₂ and MgO containing Ca and Li colloids. Radiation Effects and Defects in Solids, 1995, 137, 99-103.	0.4	2
76	The enhanced Raman scattering of phonons in CaF ₂ and MgO samples containing Ca and Li colloids. Journal of Physics Condensed Matter, 1994, 6, 9647-9657.	0.7	9
77	Structural distortion in R ₂ CuO ₄ compounds: A Raman and lattice dynamics study. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1193-1194.	0.6	3
78	Persistence of short range order in the fluid phases of a mesogen copper complex studied by EPR. Liquid Crystals, 1993, 13, 585-596.	0.9	27
79	X-ray and Raman study of the low temperature NH ₄ MnF ₃ structure; evidence of librational motion of the NH ₄ ⁺ ion. Journal of Physics Condensed Matter, 1993, 5, 283-300.	0.7	15
80	Raman study of the phase distortion in R ₂ CuO ₄ compounds (R=Nd, Sm, Eu, Gd). Physical Review B, 1993, 48, 7565-7569.	1.1	18
81	Raman study of R _{2-x} Ce _x CuO ₄ (R=Pr, Nd, Sm): Resonance effects. Physical Review B, 1992, 46, 8683-8686.	1.1	14
82	Electronic Raman study of Fe ²⁺ in FePX ₃ (X=S, Se) layered compounds. Physical Review B, 1992, 46, 11501-11506.	1.1	6
83	Resonant Raman scattering around the E ₀ transition of AlAs/InAs strained-layer superlattices. Physical Review B, 1991, 44, 3020-3024.	1.1	1
84	Hydrogen defect dynamics studied by EPR. isotope and quantum effects. Radiation Effects and Defects in Solids, 1991, 119-121, 37-42.	0.4	0
85	EPR study of the [H ⁺ Ca ⁺] defect in Tcr CaO. Radiation Effects and Defects in Solids, 1991, 119-121, 945-950.	0.4	0
86	Raman study of superconducting Nd _{2-x} Ce _x CuO _{4-y} single crystals. Physica C: Superconductivity and Its Applications, 1990, 168, 161-166.	0.6	14
87	[H ⁺ Ca ⁺] defect in thermochemically reduced CaO: A static and dynamical EPR study. Physical Review B, 1990, 42, 7604-7609.	1.1	4
88	EPR study of defect reorientation by a tunneling-controlled process. Physical Review B, 1990, 42, 7754-7760.	1.1	1
89	Vanadyl metal mesogen derivatives: an ESR study. Journal of Physics Condensed Matter, 1990, 2, 9173-9182.	0.7	21
90	HiO(Li) and DiO(Li) defects in CaO studied by EPR: Reorientational and vibrational features. Physical Review B, 1989, 39, 7928-7937.	1.1	3

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91	Fe ²⁺ electronic transitions in Raman and infrared spectra of FePS ₃ and FePSe ₃ crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1989, 3, 85-89.	1.7	7
92	Static and dynamical properties of D _{0i} (Li) in MgO:Li studied by EPR: Isotope effects. Journal of Chemical Physics, 1988, 88, 2976-2980.	1.2	8
93	The saturation behaviour of the EPR lines of the motional defect HiO(Li) in MgO. Journal of Physics C: Solid State Physics, 1988, 21, 2941-2950.	1.5	1
94	The effect of the reorientation of HiO(Li) defects in MgO on the ²⁵ Mg superhyperfine structure. Journal of Physics C: Solid State Physics, 1987, 20, 5177-5186.	1.5	4
95	Reorientation of V-and (Li)Odefects in MgO studied by EPR. Journal of Physics C: Solid State Physics, 1986, 19, 67-76.	1.5	10
96	Dynamical features of a hydrogen-lithium complex in MgO:Li studied by EPR. Physical Review B, 1986, 33, 3058-3063.	1.1	10
97	A new EPR study of the OH ₂ ⁺ molecular ion in CaO. Journal of Chemical Physics, 1986, 85, 4254-4260.	1.2	7
98	EPR and thermoluminescence studies in RT X-irradiated CaO single crystals. Journal of Physics C: Solid State Physics, 1986, 19, 4763-4769.	1.5	6