Czeslaw Rudowicz

List of Publications by Year
in descending order

28 papers	1,144 citations	567144 15 h-index	526166 27 g-index
29 all docs	29 docs citations	29 times ranked	302 citing authors

#	Article	IF	Citations
1	Modern Trends in the Development of EPR/ESR. Applied Magnetic Resonance, 2015, 46, 965-966.	0.6	0
2	EMR studies of the internal motion of Mn4+ ions in the Sr overdoped (La1â^'xSrx)(Ga1â^'yMny)O3 (x/y up) Tj ETQq0 0 0 rgBT /Overlock Resonance, 2015, 255, 77-87.	1.2	2
3	Electron paramagnetic resonance (EPR) investigations of the local environment around Co2+ ions doped in PbMoO4 single crystals â€“ Correlation with optical studies. Optical Materials, 2013, 35, 2296-2302.	1.7	6
4	Relationship between oxygen defects and the photoluminescence property of ZnO nanoparticles: A spectroscopic view. Journal of Applied Physics, 2009, 106, .	1.1	47
5	Microscopic spin-Hamiltonian parameters and crystal field energy levels for the low C3 symmetry Ni2+ centre in LiNbO3 crystals. Physica B: Condensed Matter, 2004, 348, 151-159.	1.3	71
6	Crystal field and microscopic spin Hamiltonians approach including spinâ€“spin and spinâ€“other-orbit interactions for d2 and d8 ions at low symmetry C3 symmetry sites: V3+ in Al2O3. Journal of Physics and Chemistry of Solids, 2003, 64, 1419-1428.	1.9	166
7	Microscopic spin Hamiltonian approaches for 3d8 and 3d2 ions in a trigonal crystal field - perturbation theory methods versus complete diagonalization methods. Journal of Physics Condensed Matter, 2002, 14, 5619-5636.	0.7	86
8	The effect of disorder in the local lattice distortions on the EPR and optical spectroscopy parameters for a new Cr3+ defect center in Cr3+:Mg2+:LiNbO3. Physica B: Condensed Matter, 2002, 318, 188-197.	1.3	101
9	SPIN-HAMILTONIAN FORMALISMS IN ELECTRON MAGNETIC RESONANCE (EMR) AND RELATED SPECTROSCOPIES. Applied Spectroscopy Reviews, 2001, 36, 11-63.	3.4	224
10	Comment on â€œAnalytical expressions for zero-field splittings of3d5ions in low-symmetry fields and their applicationsâ€• Physical Review B, 2001, 63, .	1.1	4
11	On the non-standard rhombic spin Hamiltonian parameters derived from MÃ¶ssbauer spectroscopy and magnetism-related measurements. Journal of Magnetism and Magnetic Materials, 2001, 231, 146-156.	1.0	18
12	Crystal field analysis within the approximation for 3d4 and 3d6 ions at sites with an axial type II symmetry. Journal of Physics and Chemistry of Solids, 1999, 60, 17-27.	1.9	12
13	Computer package for microscopic spin Hamiltonian analysis of the 3d4 and 3d6 (spin S = 2) ions at orthorhombic and tetragonal symmetry sites. Computers & Chemistry, 1997, 21, 45-50.	1.2	20
14	Crystal field and EPR analysis for 5D (3d4 and 3d6) ions at tetragonal sites: Applications to Fe2+ ions in minerals and Cr2+ impurities in semiconductors. Journal of Physics and Chemistry of Solids, 1996, 57, 1191-1199.	1.9	14
15	Zeeman and zero-field splitting of 3d4 and 3d6 ions with orbital singlet ground state at orthorhombic and tetragonal symmetry sites. Journal of Physics and Chemistry of Solids, 1994, 55, 745-757.	1.9	20
16	EPR study of Mn2+in ferroelastic BiVO4single crystal: Monoclinic spin hamiltonian parameters and their temperature dependence. Ferroelectrics, 1994, 156, 249-254.	0.3	9
17	Crystal field levels and fine structure of the ground orbital state for high spin Fe2+ and Fe4+ ions in YBa2(Cu1â^'xFex)3O7â^'Î´. Journal of Physics and Chemistry of Solids, 1993, 54, 733-744.	1.9	11
18	Crystal field levels and zero-field splitting parameters of Cr2+ in the mixed system Rb2MnxCr1â^'xCl4. Physica B: Condensed Matter, 1993, 191, 323-333.	1.3	22

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19	Spin-Hamiltonian analysis for high-spinFe2+andFe4+ions at orthorhombic sites inYBa2(Cu1â^'xFex)3O7â^'Î´and related oxides. Physical Review B, 1993, 47, 9001-9009.	1.1	8
20	Comprehensive approach to the zero-field splitting ofS6-state ions:Mn2+andFe3+in fluoroperovskites. Physical Review B, 1992, 45, 9736-9748.	1.1	43
21	Crystal field analysis for 3d4 and 3d6 ions with an orbital singlet ground state at orthorhombic and tetragonal symmetry sites. Journal of Physics and Chemistry of Solids, 1992, 53, 1227-1236.	1.9	40
22	Microscopic study of Cr2+ ion in the quasi-2D mixed system Rb2MnxCr1â^'xCl4. Journal of Magnetism and Magnetic Materials, 1992, 111, 153-163.	1.0	135
23	Correlations between orthorhombic crystal field parameters for rare-earth (fn) and transition-metal (dn) ions in crystals: REBa2Cu3O7-x, RE2F14B, RE-garnets, RE:LaF3and MnF2. Molecular Physics, 1991, 74, 1159-1170.	0.8	31
24	Analysis of the net charge-compensation contribution in the fine structure of EPR defect centers:Cr3+,Fe3+, andGd3+inA2MX4-,AMX3-, andMX2-type crystals. Physical Review B, 1988, 37, 27-34.	1.1	24
25	A method for determination of higher-order magnetic anisotropy constants â€" Importance of the cubic K3 and K4 for certain energy levels models. Journal of Magnetism and Magnetic Materials, 1983, 30, 285-294.	1.0	4
26	Magnetocrystalline anisotropy of Fe2+ion in siliconâ€•or germaniumâ€substituted yttrium iron garnet at zero temperature. Journal of Applied Physics, 1982, 53, 593-595.	1.1	2
27	Effects of a nontrigonal crystal field on spectroscopic properties ofFe2+ions in yttrium iron garnet: Si(Ge). Physical Review B, 1980, 21, 4967-4975.	1.1	15
28	Crossing of low-lying electronic levels of high-spin ferrous ion in deoxyhemoglobin and deoxymyoglobin. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1977, 490, 301-310.	1.7	9