

Czesław Rudowicz

List of Publications by Year in descending order

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204
papers

5,277
citations

101543

36
h-index

114465

63
g-index

210
all docs

210
docs citations

210
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of crystal-field effect on luminescence spectra of Mn ⁴⁺ (3d ³) ion-doped double perovskite La ₂ ZnTiO ₆ phosphor by semiempirical computations: exchange charge model and superposition model. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4355-4364.	5.5	8
2	Implications of direct conversions of crystal field parameters into zero-field splitting ones - Case study: Superposition model analysis for Cr ³⁺ ions at orthorhombic sites in LiKSO ₄ . <i>Journal of Luminescence</i> , 2021, 230, 117548.	3.1	3
3	Selection rules in electron magnetic resonance (EMR) spectroscopy and related techniques: Fundamentals and applications to modern case systems. <i>Physica B: Condensed Matter</i> , 2021, 608, 412863.	2.7	2
4	Method for determination of the fourth-rank zero field splitting parameters from the zero field energy levels for spin S _f = 2 systems – Case studies: Fe ²⁺ ions in [Fe(H ₂ O) ₆](NH ₄) ₂ (SO ₄) ₂ and forsterite (Fe ₂ :Mg ₂ SiO ₄), and Cr ²⁺ ions in (ND ₄) ₂ Cr(D ₂ O) ₆ (SO ₄) ₂ and Rb ₂ Cr(D ₂ O) ₆ (SO ₄) ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 493, 165670.	2.3	1
5	Importance of the fourth-rank zero field splitting parameters for Fe ²⁺ (S = 2) adatoms on the CuN/Cu(100) surface evidenced by their determination based on DFT and experimental data. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19837-19844.	2.8	2
6	Trends in Hamiltonian parameters determined by systematic analysis of f-d absorption spectra of divalent lanthanides in alkali-halides hosts: III. CsSrBr ₃ :Ln ²⁺ (Ln = Nd, Sm, Eu, Tm, and Yb). <i>Journal of Luminescence</i> , 2019, 215, 116622.	3.1	4
7	Origin of the Ground Kramers Doublets for Co ²⁺ (3d ⁷) Ions with the Effective Spin 3/2 Versus the Fictitious Spin TM 1/2. <i>Applied Magnetic Resonance</i> , 2019, 50, 797-808.	1.2	16
8	Modeling spin Hamiltonian parameters for Fe ²⁺ adatoms on Cu ₂ N/Cu(1 0 0) surface: Semiempirical microscopic spin Hamiltonian approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 485, 381-390.	2.3	3
9	Superposition model in electron magnetic resonance spectroscopy – a primer for experimentalists with illustrative applications and literature database. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 673-718.	6.7	15
10	Modeling Spin Hamiltonian Parameters for Fe ²⁺ (S = 2) Adatoms on Cu ₂ N/Cu(100) Surface Using Semiempirical and Density Functional Theory Approaches. <i>Applied Magnetic Resonance</i> , 2019, 50, 769-783.	1.2	4
11	Spectroscopic Study of Mn ²⁺ Doped PbS Nanocrystals. <i>Applied Magnetic Resonance</i> , 2019, 50, 785-795.	1.2	3
12	Determination of the g-factors measured by EPR based on theoretical crystal field and superposition model analyses for lanthanide-based magnetically concentrated crystals – case study: double tungstates and molybdates. <i>Philosophical Magazine</i> , 2019, 99, 224-246.	1.6	5
13	Can the correspondence principle lead to improper relations between the uniaxial magnetic anisotropy constant K and the axial zero-field splitting parameter D for adatoms on surfaces?. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 89-96.	2.3	3
14	Optical Absorption Spectra of Divalent Neodymium (Nd ²⁺) in Bromide and Iodide Hosts. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1660-1669.	2.0	6
15	Trends in Hamiltonian parameters determined by systematic analysis of f-d absorption spectra of divalent lanthanides in alkali-halides hosts: II. CaCl ₂ :Ln ²⁺ (Ln = Sm, Eu, Tm, and Yb). <i>Journal of Luminescence</i> , 2018, 197, 66-75.	3.1	6
16	The High-Resolution 4f ⁶ 5d Absorption Spectrum of Divalent Dysprosium (Dy ²⁺) in Strontium Chloride Host SrCl ₂ : Fine Structure and Zero-Phonon Transitions Revealed. <i>Journal of Physical Chemistry A</i> , 2018, 122, 923-928.	2.5	15
17	New field-induced single ion magnets based on prolate Er(III) and Yb(III) ions: tuning the energy barrier U _{eff} by the choice of counterions within an N ₃ -tridentate Schiff-base scaffold. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 605-618.	6.0	27
18	Temperature and pressure dependence of local structural changes around Gd ³⁺ centers in RAl ₃ (BO ₃) ₂ TjETQqO _{0.0} rgBT/Overlock 10	2.2	4

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19	Trends in Hamiltonian parameters determined by systematic analysis of f-d absorption spectra of divalent lanthanides in alkali-halides hosts and supported by first calculations of the Nd ²⁺ electronic structure: I. SrCl ₂ :Ln ²⁺ . Journal of Luminescence, 2018, 199, 116-125.	3.1	8
20	Spectroscopic and magnetic properties of Fe ²⁺ (3d ⁶ ; S= 2) ions in Fe(NH ₄) ₂ (SO ₄) ₂ ·6H ₂ O – Modeling zero-field splitting and Zeeman electronic parameters by microscopic spin Hamiltonian approach. Journal of Magnetism and Magnetic Materials, 2018, 449, 94-104.	2.3	6
21	Modeling the zero-field splitting parameters and local structure of Co ²⁺ ions doped into PbMoO ₄ crystal based on crystal field approach and superposition model analysis. Optical Materials, 2018, 84, 466-474.	3.6	5
22	Single magnetic 3dN adatoms on surfaces – Proper outlook on compatibility of orthorhombic zero-field splitting parameters and their relationships with magnetic anisotropy quantities. Polyhedron, 2017, 127, 126-134.	2.2	12
23	Superposition model analysis of nickel(II) ions in trigonal bipyramidal complexes exhibiting huge zero field splitting (aka –giant magnetic anisotropy™). Journal of Magnetism and Magnetic Materials, 2017, 434, 56-61.	2.3	5
24	Temperature dependence of local structural changes around transition metal centers Cr ³⁺ and Mn ²⁺ in RAl ₃ (BO ₃) ₄ crystals studied by EMR. Optical Materials, 2017, 73, 124-131.	3.6	11
25	High-frequency EMR data for Fe ²⁺ (S=2) ions in natural and synthetic forsterite revisited – Fictitious spin S=1 versus effective spin S=2 approach. Journal of Alloys and Compounds, 2017, 726, 1226-1235. ^{5,5}		5
26	Extension of High-Resolution Optical Absorption Spectroscopy to Divalent Neodymium: Absorption Spectra of Nd ²⁺ Ions in a SrCl ₂ Host. Angewandte Chemie - International Edition, 2017, 56, 10721-10724.	13.8	12
27	Extension of High-Resolution Optical Absorption Spectroscopy to Divalent Neodymium: Absorption Spectra of Nd ²⁺ Ions in a SrCl ₂ Host. Angewandte Chemie, 2017, 129, 10861-10864.	2.0	2
28	Electron magnetic resonance data on high-spin Mn(III; S = 2) ions in porphyrinic and salen complexes modeled by microscopic spin Hamiltonian approach. Journal of Inorganic Biochemistry, 2017, 175, 36-46.	3.5	12
29	Conversions of the Second-Rank Zero Field Splitting Parameters Measured Assuming the Fictitious Spin S=1 to those for the Effective Spin S=2. Acta Physica Polonica A, 2017, 132, 11-14.	0.5	3
30	EMR Data on Mn(III; S=2) Ions in MnTPPCL Complex Modelled by Microscopic Spin Hamiltonian Approach. Acta Physica Polonica A, 2017, 132, 15-19.	0.5	5
31	Comparative Analysis of Experimental and Theoretical Zero-Field Splitting and Zeeman Electronic Parameters for Fe ²⁺ Ions in FeX ₂ ·4H ₂ O (X = F, Cl, Br, I) and [Fe(H ₂ O) ₆](NH ₄) ₂ (SO ₄) ₂ . Acta Physica Polonica A, 2017, 132, 19-23.	0.5	1
32	Spin Hamiltonian Parameters for Co ²⁺ Ions in PbMoO ₄ Crystal - Interplay between the Fictitious Spin S=1/2 and the Effective Spin S=3/2. Acta Physica Polonica A, 2017, 132, 73-76.	0.5	2
33	Spectroscopic and magnetic studies of erbium(III)-TEMPO complex as a potential single-molecule magnet: Interplay of the crystal-field and exchange coupling effects. Chemical Physics Letters, 2016, 662, 163-168.	2.6	16
34	Ground state of Ho atoms on Pt(111) metal surfaces: Implications for magnetism. Physical Review B, 2016, 93, .	3.2	8
35	Application of orthorhombic standardization in magnetic susceptibility studies of localized spin models with S=1, 3/2, 2, 5/2. Physica B: Condensed Matter, 2016, 497, 14-18.	2.7	5
36	Standardization of crystal field parameters for rare-earth (RE ³⁺) ions at monoclinic sites in selected laser crystals. Journal of Alloys and Compounds, 2016, 666, 468-475.	5.5	7

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37	Magnetostructural correlations for Fe ²⁺ ions at orthorhombic sites in FeCl ₂ ·4H ₂ O and FeF ₂ ·4H ₂ O crystals modeled by microscopic spin Hamiltonian approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 1068-1077.	2.3	13
38	Spectroscopic determination of site symmetry and space group in lanthanide-doped crystals: Resolving intricate symmetry aspects for Pr^{2+} -NaLnF ₄ . <i>Polyhedron</i> , 2016, 105, 42-48.	2.2	10
39	Modelling spectroscopic properties of NiSnCl ₆ ·6H ₂ O as a probe for pressure calibration in high-magnetic field and high-frequency EMR measurements. <i>Polyhedron</i> , 2015, 102, 261-266.	2.2	8
40	Modern Trends in the Development of EPR/ESR. <i>Applied Magnetic Resonance</i> , 2015, 46, 965-966.	1.2	0
41	Determination of superposition model parameters required for analysis of the zero-field splitting parameters for Ni ²⁺ ions in NiO ₆ complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 99-104.	2.3	5
42	Comment on the Crystal-Field Analysis Underlying the Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF ₄ Crystals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1074-1076.	13.8	5
43	Correlation of EMR and optical spectroscopy data for Cr ³⁺ and Mn ²⁺ ions doped into yttrium aluminum borate YAl ₃ (BO ₃) ₄ crystal – Extracting low symmetry aspects. <i>Optical Materials</i> , 2015, 46, 254-259.	3.6	16
44	Tools for magnetostructural correlations for the 3d ⁸ (3A ₂ state) ions at orthorhombic sites: Comparative study with applications to Ni ²⁺ ions in Y ₂ BaNiO ₅ and Nd ₂ BaNiO ₅ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 484-494.	2.3	6
45	Properties of uranium- and lanthanide-based single-ion magnets modelled by the complete and restricted Hamiltonian approach. <i>Polyhedron</i> , 2015, 93, 91-98.	2.2	4
46	EMR-related problems at the interface between the crystal field Hamiltonians and the zero-field splitting Hamiltonians. <i>Nukleonika</i> , 2015, 60, 377-383.	0.8	1
47	Magnetostructural relationships for Ni(II) ions at octahedral sites in [NiZn ¹⁺ (C ₂ O ₄)(dmiz) ₂]: Computational study of zero-field splitting and using superposition model. <i>Polyhedron</i> , 2015, 100, 282-289.	2.2	4
48	Disentangling intricate web of interrelated notions at the interface between the physical (crystal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 28-63.	18.8	93
49	Revealing the consequences and errors of substance arising from the inverse confusion between the crystal (ligand) field quantities and the zero-field splitting ones. <i>Physica B: Condensed Matter</i> , 2015, 456, 330-338.	2.7	20
50	Implications of Invalid Conversions between Crystal-Field Parameters and Zero-Field Splitting Ones Used in Superposition Model. <i>Acta Physica Polonica A</i> , 2014, 125, 1215-1219.	0.5	6
51	Terminological confusions and problems at the interface between the crystal field Hamiltonians and the zero-field splitting Hamiltonians – Survey of the CF=ZFS confusion in recent literature. <i>Physica B: Condensed Matter</i> , 2014, 451, 134-150.	2.7	25
52	Software package SIMPRE-Revisited. <i>Journal of Computational Chemistry</i> , 2014, 35, 1935-1941.	3.3	6
53	Analysis of low symmetry aspects revealed by the zero-field splitting parameters and the crystal field parameters for Cr ³⁺ ions doped into yttrium aluminum borate YAl ₃ (BO ₃) ₄ crystal. <i>Optical Materials</i> , 2014, 36, 1342-1349.	3.6	24
54	Comparative analysis of crystal-field parameters for rare-earth ions at monoclinic sites in AB(WO ₄) ₂ crystals: II. Pr ³⁺ and Nd ³⁺ ions in KRE(WO ₄) ₂ (RE = Y or Gd), Pr ³⁺ ions in M+Bi(XO ₄) ₂ (M = Li or Tj ETQq0,0 0 rgBT /Overlock 1.8	1.8	3
	Matter, 2014, 26, 065501.		

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55	Effect of small in-plane anisotropy in the large-D phase systems based on Ni ²⁺ (S=1) ions in Heisenberg antiferromagnetic chains. <i>Physica B: Condensed Matter</i> , 2014, 436, 193-199.	2.7	10
56	Modeling Spectroscopic Properties of Ni ²⁺ Ions in the Haldane Gap System Y ₂ BaNiO ₅ . <i>Applied Magnetic Resonance</i> , 2013, 44, 899-915.	1.2	14
57	Determination of Crystal-Field Energy Levels and Temperature Dependence of Magnetic Susceptibility for Dy ³⁺ in [Dy ₂ Pd] Heterometallic Complex. <i>Inorganic Chemistry</i> , 2013, 52, 13199-13206.	4.0	13
58	Trends in orthorhombic crystal field parameters for trivalent rare-earth ions in high-Tc superconductors REBa ₂ Cu ₃ O _{7-x} – Correct interpretation based on standardization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 282-286.	3.9	1
59	Electron paramagnetic resonance (EPR) investigations of the local environment around Co ²⁺ ions doped in PbMoO ₄ single crystals – Correlation with optical studies. <i>Optical Materials</i> , 2013, 35, 2296-2302.	3.6	6
60	Systematization of crystal field parameters for trivalent rare-earth (RE ³⁺) ions at orthorhombic sites in selected laser materials – standardization approach. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 751-758.	4.0	10
61	Electron paramagnetic resonance and optical study of VO ²⁺ -doped zinc ammonium phosphate hexahydrate single crystals. <i>Physica Scripta</i> , 2012, 86, 045602.	2.5	3
62	Modeling zero-field splitting parameters for dopant Mn ²⁺ and Fe ³⁺ ions in anatase TiO ₂ crystal using superposition model analysis. <i>Chemical Physics Letters</i> , 2012, 524, 49-55.	2.6	55
63	Optical Spectra and Energy Levels Analysis of the 4f ^N Ions Doped into Ba ₂ YCl ₇ . <i>Journal of Physical Chemistry A</i> , 2012, 116, 10574-10588.	2.5	15
64	Alternative crystal field parameters for rare-earth ions obtained from various techniques: IV. Comparative analysis of crystal field parameters obtained from inelastic neutron scattering and related studies of RE ions (RE=Er ³⁺ , Ho ³⁺ , Nd ³⁺ , Pr ³⁺) in REBa ₂ Cu ₃ O _{7-x} high-Tc superconductors. <i>Journal of Alloys and Compounds</i> , 2012, 540, 279-289.	5.5	8
65	Crystal-field analysis for RE ³⁺ ions in laser materials: III. Energy levels for Nd ³⁺ and Er ³⁺ ions in LaAlO ₃ , YAlO ₃ , and LaGaO ₃ single crystals – Combined approach to low symmetry crystal field parameters. <i>Chemical Physics</i> , 2012, 400, 29-38.	1.9	28
66	The calculation of zero-field splitting parameters for Fe ³⁺ ions doped in rutile TiO ₂ crystal by superposition model analysis. <i>Chemical Physics</i> , 2012, 402, 83-90.	1.9	22
67	Energy levels and crystal field parameters for Nd ³⁺ ions in BaY ₂ F ₈ , LiKYF ₅ , and K ₂ YF ₅ single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 46-60.	3.9	22
68	Crystal field parameters for Yb ³⁺ ions at orthorhombic centers in garnets – Revisited. <i>Journal of Luminescence</i> , 2011, 131, 2690-2696.	3.1	16
69	Spectroscopic properties of Fe ²⁺ ions at tetragonal sites – Crystal field effects and microscopic modeling of spin Hamiltonian parameters for Fe ²⁺ (S=2) ions in K ₂ FeF ₄ and K ₂ ZnF ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 2681-2689.	2.3	6
70	Crystal-field analysis for RE ³⁺ ions in laser materials: II. Absorption spectra and energy levels calculations for Nd ³⁺ ions doped into SrLaGa ₃ O ₇ and BaLaGa ₃ O ₇ crystals and Tm ³⁺ ions in SrGdGa ₃ O ₇ . <i>Chemical Physics</i> , 2011, 387, 69-78.	1.9	18
71	Crystal-field analysis for RE ³⁺ ions in laser materials: I. Absorption spectra and energy levels calculations for Nd ³⁺ and Pr ³⁺ ions in ABCO ₄ crystals. <i>Chemical Physics</i> , 2011, 383, 68-82.	1.9	23
72	Forms of crystal field Hamiltonians – A critical review. <i>Optical Materials</i> , 2011, 33, 1557-1561.	3.6	32

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73	Energy levels and crystal-field parameters for Pr ³⁺ and Nd ³⁺ ions in rare earth (RE) tellurium oxides RE ₂ Te ₄ O ₁₁ revisited – Ascent/descent in symmetry method applied for triclinic site symmetry. <i>Optical Materials</i> , 2011, 33, 1147-1161.	3.6	37
74	Interpretation of multiple solutions and selection of the final crystal field parameter sets for orthorhombic and lower symmetry – Case study: Er ³⁺ ions at orthorhombic sites in ErNiAl ₄ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 60-68.	3.9	5
75	Truncated forms of zero-field splitting (ZFS) Hamiltonians and implications for interpretation of ZFS parameters for Fe ²⁺ (⁺) ions in. <i>Solid State Communications</i> , 2011, 151, 855-858.	1.9	5
76	Superposition model analysis of the zero-field splitting parameters of Fe ³⁺ doped in TlInS ₂ crystal – Low symmetry aspects. <i>Optical Materials</i> , 2010, 32, 1161-1169.	3.6	59
77	Intrinsically incompatible crystal (ligand) field parameter sets for transition ions at orthorhombic and lower symmetry sites in crystals and their implications. <i>Physica B: Condensed Matter</i> , 2010, 405, 113-132.	2.7	63
78	Reanalysis of energy levels and crystal field parameters for Er ³⁺ and Tm ³⁺ ions at C ₂ symmetry sites in hexahydrated trichloride crystals – Intricate aspects of multiple solutions for monoclinic symmetry. <i>Physica B: Condensed Matter</i> , 2010, 405, 1927-1940.	2.7	34
79	Modeling local distortions around ions doped into crystal using superposition model analysis of the zero-field splitting parameters. <i>Solid State Communications</i> , 2010, 150, 1077-1081.	1.9	37
80	Theoretical interpretation of the zero-field splitting parameters for Fe ³⁺ ions in wide-band gap semiconductor TlGaSe ₂ single crystal. <i>Solid State Communications</i> , 2010, 150, 1610-1613.	1.9	8
81	Alternative crystal-field parameters for rare-earth ions obtained from various techniques: III. Low symmetry aspects inherent in monoclinic parameters obtained by Mössbauer spectroscopy for Tm ³⁺ ions in Tm ₂ BaXO ₅ (X=Co, Cu, Ni). <i>Journal of Alloys and Compounds</i> , 2010, 497, 32-37.	5.5	10
82	Comparative analysis of crystal-field parameters for rare-earth ions at monoclinic sites in AB(WO ₄) ₂ crystals: I. Tm ³⁺ in KGd(WO ₄) ₂ and KLu(WO ₄) ₂ , and Ho ³⁺ and Er ³⁺ ions in KGd(WO ₄) ₂ . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 045501.	1.8	20
83	EPR Study of Cr ³⁺ and Fe ³⁺ Impurity Ions in Nominally Pure and Co ²⁺ -Doped YAlO ₃ Single Crystals. <i>Applied Magnetic Resonance</i> , 2009, 36, 371-380.	1.2	10
84	Extracting structural information from low symmetry crystal field parameters-case study: Er ³⁺ and Nd ³⁺ ions in YAlO ₃ . <i>Journal of Rare Earths</i> , 2009, 27, 619-623.	4.8	4
85	Low symmetry aspects in spectroscopic and magnetic susceptibility studies of Tb ³⁺ (^{4f8}) in TbAlO ₃ . <i>Journal of Rare Earths</i> , 2009, 27, 627-632.	4.8	15
86	Modeling techniques for analysis and interpretation of electron magnetic resonance (EMR) data for transition ions at low symmetry sites in crystals – A primer for experimentalists. <i>Physica B: Condensed Matter</i> , 2009, 404, 3582-3593.	2.7	33
87	Truncated forms of the second-rank orthorhombic Hamiltonians used in magnetism and electron magnetic resonance (EMR) studies are invalid – Why it went unnoticed for so long?. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2946-2955.	2.3	12
88	Alternative zero-field splitting (ZFS) parameter sets and standardization for Mn ²⁺ ions in various hosts exhibiting orthorhombic site symmetry. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 827-833.	4.0	41
89	Magnetic interactions in frustrated Mn ₃ Fe ₄ (VO ₄) ₆ . <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1419-1426.	3.1	9
90	Alternative crystal-field parameters for rare-earth ions obtained from various techniques: II. Reanalysis of spectroscopic data for Eu ³⁺ and Er ³⁺ ions in RE ₂ BaXO ₅ (X=Co, Cu, Ni, Zn) high temperature superconductors and related systems. <i>Journal of Alloys and Compounds</i> , 2009, 467, 106-111.	5.5	13

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91	Modeling local structure using crystal field and spin Hamiltonian parameters: the tetragonal Fe ³⁺ O ₂ defect center in KTaO ₃ crystal. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 455402.	1.8	30
92	Alternative crystal field parameters for rare-earth ions obtained from various techniques. <i>Journal of Alloys and Compounds</i> , 2009, 467, 98-105.	5.5	22
93	Diagonalization of second-rank crystal field terms for 3dN and 4fN ions at triclinic or monoclinic symmetry sites – case study: Cr ⁴⁺ in Li ₂ MgSiO ₄ and Nd ³⁺ in β -BaB ₂ O ₄ . <i>Optical Materials</i> , 2008, 31, 391-400.	3.6	39
94	Low symmetry aspects inherent in electron magnetic resonance (EMR) data for transition ions at triclinic and monoclinic symmetry sites: EMR of Fe ³⁺ and Gd ³⁺ in monoclinic zirconia revisited. <i>Physica B: Condensed Matter</i> , 2008, 403, 2349-2366.	2.7	23
95	Clarification of terminological confusion concerning the crystal field quantities vs. the effective spin Hamiltonian and zero-field splitting quantities in the papers by BayrakÅşeken et al. [Spectrochim. Acta Part A 66 (2007) 462 and 1291]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1623-1626.	3.9	2
96	Temperature dependence of the EPR lines in weakly doped LiNbO ₃ :Yb – possible evidence of Yb ³⁺ ion pairs formation. <i>Physica B: Condensed Matter</i> , 2008, 403, 207-218.	2.7	13
97	Clarification of the confusion concerning the crystal-field quantities vs. the zero-field splitting quantities in magnetism studies: Part I – Survey of literature dealing with specific compounds. <i>Physica B: Condensed Matter</i> , 2008, 403, 1882-1897.	2.7	24
98	Clarification of the confusion concerning the crystal-field quantities vs the zero-field splitting quantities in magnetism studies: Part II – Survey of literature dealing with model studies of spin systems. <i>Physica B: Condensed Matter</i> , 2008, 403, 2312-2330.	2.7	25
99	Crystal-field energy level analysis for Nd ³⁺ ions at the low symmetry C ₁ site in [Nd(hfa) ₄ (H ₂ O)](N(C ₂ H ₅) ₄) single crystals. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 385205.	1.8	19
100	Comprehensive analysis of crystal field parameter datasets for transition ions at low symmetry sites and extracting structural information – Application to Pr ⁴⁺ in BaPrO ₃ . <i>Journal of Alloys and Compounds</i> , 2008, 456, 16-26.	5.5	12
101	Extracting structural information from low symmetry crystal field parameters: Pr ⁴⁺ in BaPrO ₃ . <i>Journal of Alloys and Compounds</i> , 2008, 451, 694-696.	5.5	0
102	Crystal-field analysis of Ho ³⁺ ions in HoCl ₃ ·6H ₂ O. <i>Journal of Alloys and Compounds</i> , 2008, 451, 111-115.	5.5	5
103	Low symmetry aspects inherent in EMR studies of the orthorhombic to monoclinic structural phase transition in the hexagonal form of barium titanate BaTiO ₃ doped by Fe ³⁺ ions. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 295219.	1.8	5
104	Submillimetre and millimetre wave ESR study of manganese spinel compound LiMn ₂ O ₄ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 145266.	1.8	5
105	Reanalysis of crystal-field parameters for Nd ³⁺ ions in Nd ₂ BaCuO ₅ and Nd ₂ BaZnO ₅ based on standardization, multiple correlated fitting technique, and dataset closeness. <i>Physical Review B</i> , 2007, 76, .	3.2	26
106	Ground and excited state absorption of Ni ²⁺ ions in MgAl ₂ O ₄ : Crystal field analysis. <i>Journal of Alloys and Compounds</i> , 2007, 432, 61-68.	5.5	48
107	Analysis of the temperature dependence of the high-frequency EMR spectra of Mn ions in the lithium-ion battery material LiMn ₂ O ₄ . <i>Research on Chemical Intermediates</i> , 2007, 33, 853-862.	2.7	1
108	Crystal field analysis of the energy level structure of Cs ₂ NaAlF ₆ :Cr ³⁺ . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5221-5234.	1.8	42

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109	Electron magnetic resonance studies of Fe ³⁺ ions in BaTiO ₃ : Implications of the misinterpretation of zero-field splitting terms and comparative data analysis. <i>Physical Review B</i> , 2006, 74, .	3.2	14
110	Noether's theorem and low symmetry aspects concerning the crystal (ligand) field Hamiltonians and spin Hamiltonians. <i>Journal of Physics: Conference Series</i> , 2006, 30, 266-277.	0.4	3
111	High field ESR measurements on the lithium-ion battery substance LiMn ₂ O ₄ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2820-2823.	0.8	1
112	Electron paramagnetic resonance studies of cobalt and rare-earth impurity ions in YAlO ₃ . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4751-4761.	1.8	6
113	Thermally Induced Changes in the Structure, Composition, and Chemical Properties of LiMn ₂ O ₄ \times Spinel Prepared by Sol-Gel Method. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 5132-5137.	1.5	6
114	Reinterpretation of crystal field parameters for rare-earth nickelates RNiO ₃ (R=Pr, Nd, Sm, Eu, and Tm). <i>Journal of Applied Physics</i> , 2007, 101, 083701.	2.7	10
115	Magnetization and High-Frequency EMR Measurements on the Lithium-Ion Battery Substance LiMn ₂ O ₄ . <i>Japanese Journal of Applied Physics</i> , 2005, 44, 7440-7444.	1.5	8
116	Reanalysis of crystal field parameter datasets for rare-earth ions at low symmetry sites: Nd ³⁺ in NdGaO ₃ and Pr ³⁺ in PrGaO ₃ . <i>Journal of Alloys and Compounds</i> , 2005, 389, 256-264.	5.5	12
117	Theoretical investigations of the microscopic spin Hamiltonian parameters including the spin-spin and spin-orbit interactions for Ni ²⁺ (3d ⁸) ions in trigonal crystal fields. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 3481-3494.	1.8	60
118	Electron paramagnetic resonance study of Fe ³⁺ ions at octahedral and tetrahedral mirror symmetry sites in the LiScGeO ₄ crystal. <i>Applied Magnetic Resonance</i> , 2004, 26, 533-542.	1.2	4
119	Microscopic spin-Hamiltonian parameters and crystal field energy levels for the low C ₃ symmetry Ni ²⁺ centre in LiNbO ₃ crystals. <i>Physica B: Condensed Matter</i> , 2004, 348, 151-159.	2.7	71
120	Can the low symmetry crystal (ligand) field parameters be considered compatible and reliable?. <i>Journal of Luminescence</i> , 2004, 110, 39-64.	3.1	102
121	EPR and NMR in powders of doped and undoped IV-VI crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1247-1256.	3.9	1
122	The generalization of the extended Stevens operators to higher ranks and spins, and a systematic review of the tables of the tensor operators and their matrix elements. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5825-5847.	1.8	137
123	Trends in the crystal (ligand) field parameters and the associated conserved quantities for trivalent rare-earth ions at S ₄ symmetry sites in LiYF ₄ . <i>Journal of Alloys and Compounds</i> , 2004, 385, 238-251.	5.5	20
124	A lidar study of the atmospheric entrainment zone and mixed layer over Hong Kong. <i>Atmospheric Research</i> , 2004, 69, 147-163.	4.1	25
125	Peculiarities of EPR spectra of the Gd impurity in the Sn-Rich Pb _{1-x} Sn _x Te(Gd) solid solutions. <i>Applied Magnetic Resonance</i> , 2003, 24, 369-377.	1.2	4
126	Current status of the proposals for unification of notations and guidelines for data presentation in the EMR Area: Blueprint for future actions. <i>Applied Magnetic Resonance</i> , 2003, 24, 483-491.	1.2	6

#	ARTICLE	IF	CITATIONS
127	Physics behind the magnetic hysteresis loop—a survey of misconceptions in magnetism literature. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 250-260.	2.3	30
128	Crystal field and microscopic spin Hamiltonians approach including spin–spin and spin–other-orbit interactions for d2 and d8 ions at low symmetry C3 symmetry sites: V3+ in Al2O3. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1419-1428.	4.0	166
129	Comparative analysis of the microscopic spin-Hamiltonian expressions used for the non-Kramers Fe2+(3d6) ions with spin S=2 in reduced rubredoxin, desulforedoxin, and related systems. <i>Physica B: Condensed Matter</i> , 2003, 337, 204-220.	2.7	22
130	Spin Hamiltonian and structural disorder analysis for two high temperature Cr3+ defect centers in LiIO3 crystals—low symmetry effects. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 887-896.	4.0	24
131	Textbook treatments of the hysteresis loop for ferromagnets—Survey of misconceptions and misinterpretations. <i>American Journal of Physics</i> , 2003, 71, 1080-1083.	0.7	13
132	Noether’s theorem and conserved quantities for the crystal- and ligand-field Hamiltonians invariant under continuous rotational symmetry. <i>Physical Review B</i> , 2003, 67, .	3.2	63
133	Characteristics of the Magnetically Ordered High-Spin S=2 Fe2+ Ion Systems Potentially Suitable for High-Magnetic-Field and High-Frequency EMR Studies. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 61-83.	1.6	19
134	Microscopic spin Hamiltonian approaches for 3d8 and 3d2 ions in a trigonal crystal field - perturbation theory methods versus complete diagonalization methods. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 5619-5636.	1.8	86
135	Electron magnetic resonance (EMR) of the spin S=1 systems: an overview of major intricacies awaiting unwary spectroscopists. , 2002, , 3-14.		3
136	Low-Symmetry Spin Hamiltonian and Crystal Field Tensors Analysis: Fe3+ in Natrolite. <i>Journal of Magnetic Resonance</i> , 2002, 155, 57-63.	2.1	8
137	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. <i>Physica B: Condensed Matter</i> , 2002, 318, 188-197.	2.7	101
138	Peculiarity of the EPR spectra of impurity Gd ions in lead telluride single crystals. <i>Physica B: Condensed Matter</i> , 2002, 322, 270-275.	2.7	7
139	The extended version of the computer package CST for conversions, standardization and transformations of the spin Hamiltonian and the crystal-field Hamiltonian. <i>Computers & Chemistry</i> , 2002, 26, 149-157.	1.2	43
140	SPIN-HAMILTONIAN FORMALISMS IN ELECTRON MAGNETIC RESONANCE (EMR) AND RELATED SPECTROSCOPIES. <i>Applied Spectroscopy Reviews</i> , 2001, 36, 11-63.	6.7	224
141	Can the electron magnetic resonance (EMR) techniques measure the crystal (ligand) field parameters?. <i>Physica B: Condensed Matter</i> , 2001, 300, 1-26.	2.7	75
142	On the non-standard rhombic spin Hamiltonian parameters derived from Mössbauer spectroscopy and magnetism-related measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 231, 146-156.	2.3	18
143	Monoclinic and orthorhombic standardization of spin-Hamiltonian parameters for rare-earth centers in various crystals. <i>Physica B: Condensed Matter</i> , 2000, 279, 302-318.	2.7	20
144	On the standardization of crystal-field parameters and the multiple correlated fitting technique: Applications to rare-earth compounds. <i>Physica B: Condensed Matter</i> , 2000, 291, 327-338.	2.7	60

#	ARTICLE	IF	CITATIONS
145	Multifrequency EPR study of Cr ³⁺ ions in LiScGeO ₄ . Journal of Physics Condensed Matter, 2000, 12, 4465-4473.	1.8	8
146	On the relations between the zero-field splitting parameters in the extended Stevens operator notation and the conventional ones used in EMR for orthorhombic and lower symmetry. Journal of Physics Condensed Matter, 2000, 12, L417-L423.	1.8	47
147	Crystal field analysis within the approximation for 3d ⁴ and 3d ⁶ ions at sites with an axial type II symmetry. Journal of Physics and Chemistry of Solids, 1999, 60, 17-27.	4.0	12
148	EPR study of Gd ³⁺ in a ferroelastic BiVO ₄ single crystal. Applied Magnetic Resonance, 1999, 16, 23-32.	1.2	5
149	COMPARE: A computer program for comparative analysis of EPR data for low-symmetry paramagnetic centers. Applied Magnetic Resonance, 1999, 16, 447-456.	1.2	8
150	Comparative analysis and identification of low-symmetry paramagnetic centers: Cr ³⁺ in KTiOPO ₄ . Applied Magnetic Resonance, 1999, 16, 457-472.	1.2	11
151	Orthorhombic standardization of spin-Hamiltonian parameters for transition-metal centres in various crystals. Journal of Physics Condensed Matter, 1999, 11, 273-287.	1.8	41
152	Further EPR study of paramagnetic Cr ³⁺ centers in KTiOPO ₄ . Applied Magnetic Resonance, 1997, 12, 351-361.	1.2	12
153	Computer package for microscopic spin Hamiltonian analysis of the 3d ⁴ and 3d ⁶ (spin S = 2) ions at orthorhombic and tetragonal symmetry sites. Computers & Chemistry, 1997, 21, 45-50.	1.2	20
154	Crystal field and EPR analysis for 5D (3d ⁴ and 3d ⁶) ions at tetragonal sites: Applications to Fe ²⁺ ions in minerals and Cr ²⁺ impurities in semiconductors. Journal of Physics and Chemistry of Solids, 1996, 57, 1191-1199.	4.0	14
155	High field magnetic anisotropy study of Fe ²⁺ ions in II-VI semimagnetic semiconductors. Journal of Magnetism and Magnetic Materials, 1996, 163, 80-86.	2.3	7
156	Monoclinic Spin Hamiltonian Analysis of EPR Spectra of Mn ²⁺ in BiVO ₄ Single Crystals. Physica Status Solidi (B): Basic Research, 1996, 198, 839-851.	1.5	37
157	Crystal-field energy levels for deep Fe centers at orthorhombic and higher symmetry sites in BaTiO ₃ . Journal of the Optical Society of America B: Optical Physics, 1995, 12, 544.	2.1	10
158	Crystal field analysis of the 3d ^N ions at low symmetry sites including the $\hat{a} \sim \hat{a}^{\text{imaginary}}$ terms. Computers in Physics, 1994, 8, 583.	0.5	39
159	Correlation of spectroscopic properties and substitutional sites of Cr ³⁺ in aluminosilicates: I. Kyanite. Physics and Chemistry of Minerals, 1994, 21, 526.	0.8	19
160	Correlation of spectroscopic properties and substitutional sites of Cr ³⁺ in aluminosilicates: II. Andalusite and sillimanite. Physics and Chemistry of Minerals, 1994, 21, 532.	0.8	18
161	Experimental and Theoretical Investigation of Spin-Hamiltonian Parameters for the Low Symmetry Fe ³⁺ Centre in LiNbO ₃ . Physica Status Solidi (B): Basic Research, 1994, 185, 409-415.	1.5	37
162	EPR Study of Low Symmetry Mn ²⁺ Centers in LiNbO ₃ . Superposition Model and Crystal Field Analysis of the Zero-Field Splitting Parameters. Physica Status Solidi (B): Basic Research, 1994, 185, 417-428.	1.5	28

#	ARTICLE	IF	CITATIONS
163	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.	4.0	20
164	Model calculation of the spectroscopic properties for Cr 3+ in kyanite. Journal of Luminescence, 1994, 60-61, 108-111.	3.1	16
165	EPR study of Mn2+ in ferroelastic BiVO4 single crystal: Monoclinic spin hamiltonian parameters and their temperature dependence. Ferroelectrics, 1994, 156, 249-254.	0.6	9
166	Crystal Field Energy Levels and State Vectors for the 3dN Ions at Orthorhombic or Higher Symmetry Sites. Journal of Computational Physics, 1993, 109, 150-152.	3.8	35
167	Cr3+ centres in LiNbO3: Experimental and theoretical investigation of spin hamiltonian parameters. Solid State Communications, 1993, 87, 245-249.	1.9	36
168	Crystal field levels and fine structure of the ground orbital state for high spin Fe2+ and Fe4+ ions in YBa2(Cu1-xFex)3O7-δ. Journal of Physics and Chemistry of Solids, 1993, 54, 733-744.	4.0	11
169	Crystal field levels and zero-field splitting parameters of Cr2+ in the mixed system Rb2MnxCr1-xCl4. Physica B: Condensed Matter, 1993, 191, 323-333.	2.7	22
170	Eu3+ Ion Luminescence Crystal Structure Determination for Lanthanide Sesquioxides. Applied Spectroscopy, 1993, 47, 127-128.	2.2	7
171	Superposition model and crystal-field analysis of the 4A2 and 2E states of Cr3+ ions at C3 sites in LiNbO3. Journal of Physics Condensed Matter, 1993, 5, 6221-6230.	1.8	43
172	Spin-Hamiltonian analysis for high-spin Fe2+ and Fe4+ ions at orthorhombic sites in YBa2(Cu1-xFex)3O7-δ and related oxides. Physical Review B, 1993, 47, 9001-9009.	3.2	8
173	Comprehensive approach to the zero-field splitting of S6-state ions: Mn2+ and Fe3+ in fluoroperovskites. Physical Review B, 1992, 45, 9736-9748.	3.2	43
174	Gyromagnetic factors and zero-field splitting of 23 terms of Cr3+ clusters with trigonal symmetry: Al2O3, CsMgCl3, and CsMgBr3. Physical Review B, 1992, 46, 8974-8977.	3.2	188
175	Ligand field analysis of the 3dN ions at orthorhombic or higher symmetry sites. Computers & Chemistry, 1992, 16, 207-216.	1.2	130
176	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.	4.0	40
177	Microscopic study of Cr2+ ion in the quasi-2D mixed system Rb2MnxCr1-xCl4. Journal of Magnetism and Magnetic Materials, 1992, 111, 153-163.	2.3	135
178	Reduction tables for tensorial products of irreducible tensor operators O(k)(l) used in spectroscopy. Journal of Physics Condensed Matter, 1991, 3, 8225-8235.	1.8	7
179	Crystal field and superposition model analysis for high-spin Fe2+ and Fe4+ ions in YBa2(Cu1-xFex)3O7-δ. Superconductor Science and Technology, 1991, 4, 535-543.	3.5	14
180	Correlations between orthorhombic crystal field parameters for rare-earth (fn) and transition-metal (dn) ions in crystals: REBa2Cu3O7-x, RE2F14B, RE-garnets, RE:LaF3 and MnF2. Molecular Physics, 1991, 74, 1159-1170.	1.7	31

#	ARTICLE	IF	CITATIONS
181	On the EPR of 3d4 and 3d6 ions at high magnetic fields. <i>Physica B: Condensed Matter</i> , 1989, 155, 336-339.	2.7	19
182	Net charge compensation contribution in the fine structure of EPR defect centres. Application to M ³⁺ VM (cation vacancy) and M ³⁺ X ⁺ (M = Cr, Fe, Gd; X = Li, Na) centres in A ₂ MF ₄ and A ₂ MCl ₄ . <i>Solid State Communications</i> , 1988, 65, 631-635.	1.9	18
183	Effect of Monoclinic Symmetry on the EPR Spectra of Gd ³⁺ Doped Hydrated Single Crystals of Rare Earth Trichlorides. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 147, 677-684.	1.5	51
184	Analysis of the net charge-compensation contribution in the fine structure of EPR defect centers: Cr ³⁺ , Fe ³⁺ , and Gd ³⁺ in A ₂ MX ₄ , AMX ₃ , and MX ₂ -type crystals. <i>Physical Review B</i> , 1988, 37, 27-34.	3.2	24
185	On the possible presence of odd-order terms in a magnetic resonance spin Hamiltonian for S-state ions. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, L77-L81.	1.5	7
186	On the derivation of the superposition-model formulae using the transformation relations for the Stevens operators. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 6033-6037.	1.5	122
187	On standardization and algebraic symmetry of the ligand field Hamiltonian for rare earth ions at monoclinic symmetry sites. <i>Journal of Chemical Physics</i> , 1986, 84, 5045-5058.	3.0	129
188	Algebraic symmetry and determination of the imaginary crystal field parameters from optical spectra of f _n -ions. Hexagonal and trigonal symmetry. <i>Chemical Physics</i> , 1986, 102, 437-443.	1.9	26
189	Transformation relations for the conventional O _{kq} and normalised O' _{kq} Stevens operator equivalents with k = 1 to 6 and -k ≤ q ≤ k. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 3837-3837.	1.5	50
190	Algebraic symmetry and determination of the imaginary crystal-field parameters from optical spectra of f _n -ions. Tetragonal symmetry. <i>Chemical Physics</i> , 1985, 97, 43-50.	1.9	66
191	Relations between arbitrary symmetry spin-hamiltonian parameters B _{kq} and b _{kq} in Various Axis Systems. <i>Journal of Magnetic Resonance</i> , 1985, 63, 95-106.	0.5	18
192	On standardization of the spin Hamiltonian and the ligand field Hamiltonian for orthorhombic symmetry. <i>Journal of Chemical Physics</i> , 1985, 83, 5192-5197.	3.0	188
193	Transformation relations for the conventional O _{kq} and normalised O' _{kq} Stevens operator equivalents with k=1 to 6 and -k ≤ q ≤ k. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 1415-1430.	1.5	298
194	On the Mechanism of Spin Reorientation in YIG:Si. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1984, 39, 605-614.	1.5	2
195	Note on the Comment on Energy of Magnetic Anisotropy. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 120, K51.	1.5	0
196	A method for determination of higher-order magnetic anisotropy constants Importance of the cubic K ₃ and K ₄ for certain energy levels models. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 30, 285-294.	2.3	4
197	On the exchange-corrected susceptibility for two-sublattice ferrimagnetic systems in the paramagnetic range. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 39, L317-L319.	2.3	0
198	Low temperature magnetism of some alkali metal uranates(V) and alkaline earth neptunates(IV). Examples for ferrimagnetism in mixed actinide oxides. <i>Journal of Chemical Physics</i> , 1983, 78, 5764-5771.	3.0	18

#	ARTICLE	IF	CITATIONS
199	Magnetocrystalline Anisotropy of 3d6 and 3d4 Ions at Triclinic. Symmetry Sites Application to Fe ²⁺ ions in YIG: Me ⁴⁺ (Me = Si, Ge). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1983, 38, 540-554.	1.5	3
200	Magnetocrystalline anisotropy of Fe ²⁺ -ion in silicon- or germanium-substituted yttrium iron garnet at zero temperature. Journal of Applied Physics, 1982, 53, 593-595.	2.5	2
201	Comment on energy of magnetic anisotropy. Physica Status Solidi (B): Basic Research, 1982, 114, K79.	1.5	2
202	Computation of spin Hamiltonian parameters for 3 dnions at arbitrary symmetry within the lowest LS term approximation. Journal of Physics C: Solid State Physics, 1981, 14, 923-933.	1.5	12
203	Effects of a nontrigonal crystal field on spectroscopic properties of Fe ²⁺ ions in yttrium iron garnet: Si(Ge). Physical Review B, 1980, 21, 4967-4975.	3.2	15
204	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