Michael F Reid

List of Publications by Year
in descending order

186 papers	5,241 citations	108046 37 h-index	124990 64 g-index
192 all docs	192 docs citations	192 times ranked	2751 citing authors

#	Article	IF	Citations
1	Complete crystal-field calculation of Zeeman hyperfine splittings in europium. Physical Review B, 2022, 105, .	1.1	1
2	Near-infrared absorption thermometry exploiting an anomalously large spectral line-shift for the Yb3+ cubic centre in CaF2:Yb3+/Er3+ nanoparticles. Optics and Laser Technology, 2022, 150, 107997.	2.2	1
3	Zeeman and laser site selective spectroscopy of C₁ point group symmetry Sm³⁺ centres in Y₂SiO₅: a parametrized crystal-field analysis for the 4f ⁵ configuration. Journal of Physics Condensed Matter, 2022, 34, 325502.	0.7	1
4	Simulating excited-state absorption spectra in upconverting lanthanide doped nanoparticles: KY3F10:Er3+. Journal of Luminescence, 2022, 251, 119126.	1.5	2
5	Influence of the synthesis method on preferential clustering of Yb3+ in CaF2:Yb3+/Er3+ upconverting nanoparticles. Optical Materials, 2021, 112, 110736.	1.7	2
6	Electron-nuclear interactions as a test of crystal field parameters for low-symmetry systems: Zeeman hyperfine spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="normal">Ho</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:ma -doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	1.1	10
7	Upconversion Thermometry Using Yb³⁺/Er³⁺ Co-Doped KY₃F₁₀ Nanoparticles. ACS Applied Nano Materials, 2021, 4, 5696-5706.	2.4	22
8	Zeeman infrared absorption of KY3F10 nano-crystals co-doped with Yb3+ and Er3+: Experiment and analysis. Journal of Luminescence, 2021, 233, 117923.	1.5	5
9	Raman heterodyne determination of the magnetic anisotropy for the ground and optically excited states of Y2SiO5 doped with Sm3+. Physical Review B, 2021, 103, .	1.1	4
10	Laser site-selective spectroscopy of Nd3+-doped Y2SiO5. Journal of Luminescence, 2021, 234, 117959.	1.5	4
11	Prediction of optical polarization and high-field hyperfine structure via a parametrized crystal-field model for low-symmetry centers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Er</mml:mi></mml:mrow><mml:mrow><mml: -doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>SiO</mml:mi><mml:	1.1	6
12	The influence of magnetic anisotropy on the Zeeman spectra of lanthanide doped nanoparticles. Optical Materials: X, 2021, 12, 100112.	0.3	0
13	Intrinsic electronic excitations and impurity luminescent centres in NaMgF3 and MgF2 doped with Yb2+. Optical Materials, 2020, 99, 109553.	1.7	5
14	Interpreting ab initio energy level calculations for the trivalent praseodymium ion using a parametrized crystal-field Hamiltonian. Optical Materials, 2020, 106, 109998.	1.7	0
15	A comparison of the Yb3+ absorption and upconversion excitation spectra for both the cubic and hexagonal phases of NaYF4:Yb3+/Er3+ nanoparticles. Optical Materials, 2020, 107, 110050.	1.7	9
16	Energy transfer between Sm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e693" altimg="si43.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> ions in Y2SiO5 crystals. Journal of Luminescence, 2020, 224, 117302.	1.5	9
17	Absorption spectra, defect site distribution and upconversion excitation spectra of CaF2/SrF2/BaF2:Yb3+:Er3+ nanoparticles. Journal of Alloys and Compounds, 2020, 834, 155165.	2.8	27
18	Extending Phenomenological Crystal-Field Methods to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mm Point-Group Symmetry: Characterization of the Optically Excited Hyperfine Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Er</mml:mi></mml:mrow><.	2.9	27

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19	Transferability of Crystal-Field Parameters for Rare-Earth Ions in Y2SiO5 Tested by Zeeman Spectroscopy. Physics of the Solid State, 2019, 61, 780-784.	0.2	9
20	Electron paramagnetic resonance enhanced crystal field analysis for low point-group symmetry systems: C2v sites in Sm3+:CaF2/SrF2. Journal of Physics Condensed Matter, 2019, 31, 015501.	0.7	3
21	An infrared pump-probe measurement of the Sm 3+ 6 H 7/2 lifetime in LiYF 4. Optical Materials, 2017, 66, 8-11.	1.7	0
22	X-ray Excitation Triggers Ytterbium Anomalous Emission in CaF₂:Yb but Not in SrF₂:Yb. Journal of Physical Chemistry Letters, 2017, 8, 1175-1178.	2.1	16
23	Temporal dynamics of the frequency non-degenerate transient photoluminescence enhancement observed following excitation of inter-configurational <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0033.gif" overflow="scroll"><mml:mrow><mml:mi>f</mml:mi><mml:mo>â†'</mml:mo><mml:mi>d</mml:mi></mml:mrow></mml:math> transitions in CaF2:Yb2+. Journal of Luminescence, 2017, 192, 608-615.	1.5	1
24	The Complexity of the CaF₂:Yb System: A Huge, Reversible, X-ray-Induced Valence Reduction. Journal of Physical Chemistry C, 2017, 121, 28435-28442.	1.5	17
25	Evidence That the Anomalous Emission from CaF₂:Yb²⁺ Is Not Described by the Impurity Trapped Exciton Model. Journal of Physical Chemistry Letters, 2017, 8, 3313-3316.	2.1	17
26	The determination of dopant ion valence distributions in insulating crystals using XANES measurements. Journal of Physics Condensed Matter, 2016, 28, 135502.	0.7	8
27	Synchrotron spectroscopy of confined carriers in CdF2-CaF2 superlattices. Journal of Applied Physics, 2016, 119, 104305.	1.1	3
28	High precision wavefunctions for hyperfine states of low symmetry materials suitable for quantum information processing. Journal of Luminescence, 2016, 169, 773-776.	1.5	2
29	Theory of Rare-Earth Electronic Structure and Spectroscopy. Fundamental Theories of Physics, 2016, 50, 47-64.	0.1	13
30	Luminescence properties of MgF2:Yb2+ at high hydrostatic pressure. Journal of Luminescence, 2016, 169, 788-793.	1.5	8
31	Vacuum ultraviolet synchrotron measurements of excitons in NaMgF3:Yb2+. Journal of Luminescence, 2016, 169, 419-421.	1.5	8
32	Temperature dependent infrared absorption, crystal-field and intensity analysis of Ce3+ doped LiYF4. Optical Materials, 2015, 47, 30-33.	1.7	5
33	Pressure dependence of the emission in CaF₂â€‰:â€‰Yb²⁺. Journal of Physics Condensed Matter, 2015, 27, 305501.	0.7	2
34	Comprehensive Spectroscopic Determination of the Crystal Field Splitting in an Erbium Single-Ion Magnet. Journal of the American Chemical Society, 2015, 137, 13114-13120.	6.6	95
35	Frequency non-degenerate sequential excitation of the impurity trapped exciton in strontium fluoride crystals doped with ytterbium. Journal of Applied Physics, 2015, 117, 133109.	1.1	5
36	Excitons and interconfigurational transitions in CaF2:Yb2+ crystals. Journal of Luminescence, 2015, 158, 197-202.	1.5	16

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37	Ab-initio calculations of Juddâ€“Ofelt intensity parameters for transitions between crystal-field levels. Journal of Luminescence, 2014, 152, 54-57.	1.5	14
38	Impurity-trapped excitons and electron traps in CaF2:Yb2+ and SrF2:Yb2+ probed by transient photoluminescence enhancement. Journal of Luminescence, 2013, 133, 81-85.	1.5	12
39	Site-selective transient photoluminescence enhancement of impurity-trapped excitons in NaMgF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>:Yb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>.	1.1	14
40	Effective Hamiltonian parameters for<i>ab initio</i>energy-level calculations of SrCl₂:Yb²⁺and CsCaBr₃:Yb²⁺. Journal of Physics Condensed Matter, 2013, 25, 415504.	0.7	10
41	Electron trap liberation in MgF₂ doped with Yb²⁺ using a two-color excitation experiment. Applied Physics Letters, 2012, 100, 041902.	1.5	11
42	Sm2+ fluorescence and absorption in cubic BaCl2: Strong thermal crossover of fluorescence between 4f6 and 4f55d1 configurations. Journal of Luminescence, 2012, 132, 2775-2782.	1.5	21
43	Link between optical spectra, crystal-field parameters, and local environments of Eu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>ions in Eu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Ma	1.1	22
44	Extraction of crystal-field parameters for lanthanide ions from quantum-chemical calculations. Journal of Physics Condensed Matter, 2011, 23, 045501.	0.7	26
45	Transient photoluminescence enhancement as a probe of the structure of impurity-trapped excitons in CaF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>:Yb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>. Phy	1.1	22
46	Spectroscopy of High-Energy States of Lanthanide Ions. European Journal of Inorganic Chemistry, 2010, 2010, 2649-2654.	1.0	24
47	Calculation and analysis of hyperfine and quadrupole interactions in praseodymium-doped. Journal of Luminescence, 2010, 130, 1557-1565.	1.5	14
48			

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55	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>4</mml:mn><mml:msup><mml:mi>f</mml:mi><mml:mn>6</mml:mn></mml:msup><mml:mo spectrum analysis of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi>Sm</mml:mi><mml:mrow><mml:mn>2. Physical Review B, 2007, 76, .	1.1	27
56	Chapter 232 â€“ transitions. Fundamental Theories of Physics, 2007, 37, 61-98.	0.1	9
57	Macroscopic Models for the Radiative Relaxation Lifetime of Luminescent Centers Embedded in Surrounding Media. Spectroscopy Letters, 2007, 40, 237-246.	0.5	15
58	Parameterized analysis of the ab initio calculation of Pr3+ energy levels. Journal of Luminescence, 2007, 122-123, 939-941.	1.5	8
59	Electronic Spectra of Cs2NaYbF6and Crystal Field Analyses of YbX63-(X = F, Cl, Br). Journal of Physical Chemistry B, 2006, 110, 14939-14942.	1.2	31
60	The unusual temperature dependence of the fluorescence lifetime in crystals. Journal of Alloys and Compounds, 2006, 408-412, 784-787.	2.8	36
61	Calculation of single-beam two-photon absorption transition rate of rare-earth ions using effective operator and diagrammatic representation. Journal of Alloys and Compounds, 2006, 408-412, 926-929.	2.8	0
62	Dependence of the spontaneous emission rates of emitters on the refractive index of the surrounding media. Journal of Alloys and Compounds, 2006, 418, 213-216.	2.8	17
63	Local field effects on the radiative lifetimes of Ce3+ in different hosts. Current Applied Physics, 2006, 6, 348-350.	1.1	38
64	Simulation of two-photon absorption spectra of by direct calculation. Journal of Luminescence, 2006, 118, 205-219.	1.5	9
65	A simple model for the fâ€“d transition of actinide and heavy lanthanide ions in crystals. Current Applied Physics, 2006, 6, 359-362.	1.1	6
66	A complete energy level diagram for all trivalent lanthanide ions. Journal of Solid State Chemistry, 2005, 178, 448-453.	1.4	141
67	Local field effects on the radiative lifetime of emitters in surrounding media: Virtual- or real-cavity model?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 343, 474-480.	0.9	61
68	Study of thef â†’d transition of heavy lanthanide and actinide ions in crystals using the simple model. Physica Status Solidi (B): Basic Research, 2005, 242, 2503-2508.	0.7	14
69	High-resolution measurements of the vacuum ultraviolet energy levels of trivalent gadolinium by excited state excitation. Physical Review B, 2005, 71, .	1.1	23
70	General calculation of 4f-5d transition rates for rare-earth ions using many-body perturbation theory. Journal of Chemical Physics, 2005, 122, 094714.	1.2	10
71	Transition Intensities. Springer Series in Materials Science, 2005, , 95-129.	0.4	2
72	4fnâ^'15dâ†'4fn emission of Ce3+, Pr3+, Nd3+, Er3+, and Tm3+ in LiYF4 and YPO4. Physical Review B, 2005, 71, .	1.1	61

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73	Electronic Structure of U3+in Cs3Lu2Cl9and Cs3Y2I9Single Crystals. Journal of Physical Chemistry B, 2005, 109, 155-166.	1.2	11
74	Calculation of single-beam two-photon absorption rate of lanthanides: Effective operator method and perturbative expansion. Journal of Chemical Physics, 2004, 121, 8183.	1.2	1
75	Spectra and energy levels ofGd3+(4f7)in AlN. Physical Review B, 2004, 69, .	1.1	37
76	Spectra and energy levels ofTm3+(4f12)in AlN. Physical Review B, 2004, 70, .	1.1	38
77	Simplified diagrammatic expansion for effective operators. Journal of Chemical Physics, 2004, 121, 5071-5075.	1.2	3
78	Hyperfine patterns of infrared absorption lines of Ho3+C4vcentres in CaF2. Molecular Physics, 2004, 102, 1367-1376.	0.8	18
79	Conservation of connectivity of model-space effective interactions under a class of similarity transformation. Journal of Chemical Physics, 2004, 121, 5076-5080.	1.2	1
80	Crystal field parametrizations for low symmetry systems. Molecular Physics, 2004, 102, 1141-1147.	0.8	39
81	Analysis of f-element multiphonon vibronic spectra. Journal of Alloys and Compounds, 2004, 374, 240-244.	2.8	16
82	A model analysis of 4fNâ€“4fNâ^'15d transitions of rare-earth ions in crystals. Journal of Alloys and Compounds, 2004, 366, 34-40.	2.8	39
83	A simple model for f â†' d transitions of rare-earth ions in crystals. Journal of Solid State Chemistry, 2003, 171, 299-303.	1.4	59
84	Probing vacuum ultraviolet energy levels of trivalent gadolinium by two-photon spectroscopy. Journal of Luminescence, 2003, 102-103, 211-215.	1.5	7
85	Perturbation expansions and gauge choices in Juddâ€”Ofelt theory. Molecular Physics, 2003, 101, 917-922.	0.8	4
86	Reappearance of Fine Structure as a Probe of Lifetime Broadening Mechanisms in the4fNâ†'4fNâ^'15dExcitation Spectra ofTb3+,Er3+, andTm3+inCaF2andLiYF4. Physical Review Letters, 2002, 88, 067405.	2.9	38
87	Lattice Location and Cathodoluminescence Studies of Ytterbium/Thulium Implanted 2H-Aluminium Nitride. Materials Research Society Symposia Proceedings, 2002, 743, L6.16.1.	0.1	7
88	4fnâ†'4fnâ^'15dtransitions of the light lanthanides:â€ƒExperiment and theory. Physical Review B, 2002, 65, .	1.1	278
89	Trends in parameters for the 4fNâ†"4fNâ^'15d spectra of lanthanide ions in crystals. Journal of Alloys and Compounds, 2002, 344, 240-245.	2.8	60
90	Effective two-photon transition operators: perturbative calculations and connectivity of diagrams. Journal of Alloys and Compounds, 2002, 344, 272-275.	2.8	3

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91	Many-body perturbation theory for spin-forbidden two-photon spectroscopy off-element compounds and its application toEu2+inCaF2. Physical Review B, 2002, 66, .	1.1	24
92	4fnâ†'4fnâ^'15dtransitions of the heavy lanthanides:â€ƒExperiment and theory. Physical Review B, 2002, 65, .	1.1	205
93	Emission spectra and trends for 4fnâ^'15dâ†"4fn transitions of lanthanide ions: Experiment and theory. Journal of Chemical Physics, 2001, 115, 9382-9392.	1.2	54
94	Parametrization of fNâ€"fN electric dipole transitions in point-group bases. Journal of Alloys and Compounds, 2001, 323-324, 726-730.	2.8	2
95	Comparison between correlation crystal field calculations using extended basis sets and two-electron operators. Journal of Alloys and Compounds, 2001, 323-324, 636-639.	2.8	9
96	4fnâ†"4fnâ^'15d transitions of the trivalent lanthanides: experiment and theory. Journal of Luminescence, 2001, 94-95, 79-83.	1.5	41
97	Non-Hermitian perturbative effective operators: Connectivity and derivation of diagrammatic representation. Journal of Chemical Physics, 2001, 115, 8279-8284.	1.2	11
98	On the standardization of crystal-field parameters and the multiple correlated fitting technique: Applications to rare-earth compounds. Physica B: Condensed Matter, 2000, 291, 327-338.	1.3	60
99	Prediction of pure electric-dipole two-photon absorption circular dichroism in lanthanide compounds. Chemical Physics, 2000, 256, 207-212.	0.9	8
100	Spectroscopy and calculations for4fNâ†'4fNâ^'15dtransitions of lanthanide ions inLiYF4. Physical Review B, 2000, 62, 14744-14749.	1.1	154
101	Surface and size effects and energy transfer phenomenon on the luminescence of nanocrystalline Xâ€"YSiO:Eu. Journal of Alloys and Compounds, 2000, 303-304, 371-375.	2.8	32
102	Effects of electron correlation on crystal field splittings. , 2000, , 120-139.		2
103	Ambiguities in the parametrization of4fNâ^'4fNelectric-dipole transition intensities. Physical Review B, 1999, 59, R7789-R7792.	1.1	23
104	Spectra, energy levels, and transition line strengths forSm3+:Y3Al5O12. Physical Review B, 1999, 60, 15643-15653.	1.1	59
105	Transition amplitude calculations for one- and two-photon absorption. Journal of Alloys and Compounds, 1998, 275-277, 284-287.	2.8	11
106	Vibronic intensity parameters for Er3+ in Cs2NaErCl6. Journal of Alloys and Compounds, 1997, 250, 297-301.	2.8	12
107	Intensities of hyperfine transitions of Pr3+ and Ho3+ in CaF2. Journal of Alloys and Compounds, 1997, 250, 302-305.	2.8	14
108	Magnetic circular dichroism of Na3Nd(ODA)3â‹…2NaClO4â‹…6H2O. Journal of Chemical Physics, 1996, 105, 6117-6127.	1.2	17

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109	Transformation properties of the delta-function model of correlation crystal fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 1421-1431.	0.6	7
110	Comparative energy level parametrizations for lanthanide ions in octahedral symmetry environments. Journal of Alloys and Compounds, 1995, 225, 85-88.	2.8	17
111	Direct calculation of lanthanide optical transition intensities Nd3+:YAG. Journal of Alloys and Compounds, 1995, 225, 115-119.	2.8	13
112	Energy transfer between lanthanide ions in elpasolite lattices. Journal of Alloys and Compounds, 1995, 225, 20-23.	2.8	20
113	Parametrization of 5f-5f Transition Probabilities Between Stark Levels of [Formula: see text] 3+ in LiYF4. Journal De Physique II, 1995, 5, 755-764.	0.9	7
114	Correlation-crystal-field analysis ofSm3+:Na3[Sm(oxydiacetate)3]â‹…2NaClO4â‹…6H2O. Physical Review B, 1994, 49, 12551-12555.	1.1	16
115	Energy transfer by electric dipole-magnetic dipole interaction in cubic crystals. Solid State Communications, 1994, 90, 581-583.	0.9	9
116	Phonon-assisted energy transfer. Journal of Luminescence, 1994, 60-61, 838-841.	1.5	4
117	Energy transfer between lanthanide ions in elpasolite lattices: electric quadrupole-electric quadrupole interaction. Journal of Luminescence, 1994, 58, 356-360.	1.5	11
118	Analysis of spectral data and comparative energy level parametrizations for Ln3+ in cubic elpasolite crystals. Journal of Alloys and Compounds, 1994, 215, 349-370.	2.8	129
119	Non-resonant energy transfer from the 5D4 level of Tb3+ to the 5D0 level of Eu3+. Journal of Alloys and Compounds, 1994, 207-208, 83-86.	2.8	22
120	Correlation-crystal-field analysis of Nd3+(4f3) energy-level structures in various crystal hosts. Journal of Physics Condensed Matter, 1994, 6, 5919-5936.	0.7	58
121	Energy-level and line-strength analysis of optical transitions between Stark levels inNd3+:Y3Al5O12. Physical Review B, 1994, 50, 16309-16325.	1.1	85
122	The relationship between perturbation theory and direct calculations of rare earth transition intensities. Journal of Alloys and Compounds, 1994, 207-208, 78-82.	2.8	11
123	Energy transfer by magnetic dipoleâ€"magnetic dipole interaction. Chemical Physics Letters, 1993, 209, 539-546.	1.2	19
124	Theoretical intensities of 4f-4f transitions between stark levels of the Eu3+ ion in crystals. Journal of Physics and Chemistry of Solids, 1993, 54, 777-778.	1.9	13
125	Energy levels and correlation crystal-field effects inEr3+-doped garnets. Physical Review B, 1993, 48, 15561-15573.	1.1	109
126	Group-theoretical analysis of correlation crystal field models. Journal of Alloys and Compounds, 1993, 193, 180-182.	2.8	16

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127	Optical properties of Pr3+ in alkali zinc borosulphate glasses. Journal of Alloys and Compounds, 1993, 193, 189-191.	2.8	4
128	Two-body operators for the f shell. Journal of Alloys and Compounds, 1993, 193, 197-202.	2.8	11
129	Comparative analysis of free-ion energy levels of Er3+ (4f11) in various crystal hosts. Journal of Alloys and Compounds, 1993, 193, 203-206.	2.8	9
130	Additional operators for crystal field and transition intensity models. Journal of Alloys and Compounds, 1993, 193, 160-164.	2.8	7
131	Correlation contributions to two-photon lanthanide absorption intensities: direct calculations for Eu2+ions. Journal of Physics Condensed Matter, 1993, 5, L323-L328.	0.7	18
132	Analysis of correlation effects in the crystal-field splitting ofNd3+:LaCl3under pressure. Physical Review B, 1993, 48, 5919-5921.	1.1	13
133	Burdick and Reid reply. Physical Review Letters, 1993, 71, 3892-3892.	2.9	10
134	Many-body perturbation theory calculations of two-photon absorption in lanthanide compounds. Physical Review Letters, 1993, 70, 2491-2494.	2.9	23
135	Unitary and Hermitian phase operators for the electromagnetic field. Physical Review A, 1992, 46, 549-554.	1.0	9
136	Comparative analyses of Nd3+ (4f3) energy level structures in various crystalline hosts. Journal of Alloys and Compounds, 1992, 180, 131-139.	2.8	46
137	Recent extensions to crystal-field and transition-intensity models. Journal of Alloys and Compounds, 1992, 180, 93-103.	2.8	20
138	Analysis of the crystalâ€field spectra of the actinide tetrafluorides. I. UF4, NpF4, and PuF4. Journal of Chemical Physics, 1991, 95, 7194-7203.	1.2	98
139	Time-resolved circularly polarized luminescence as a probe of energy-transfer dynamics in rare-earth doped crystals. Journal of Luminescence, 1990, 45, 384-386.	1.5	10
140	Correlation-crystal-field analysis of the2H(2)11/2multiplet ofNd3+. Physical Review B, 1990, 42, 1903-1909.	1.1	76
141	Complete second-order calculations of intensity parameters for one-photon and two-photon transitions of rare-earth ions in solids. Molecular Physics, 1989, 67, 407-415.	0.8	29
142	Comparative Crystalâ€Field Analyses of 4f^N Energy Levels in LiYF₄:Ln³⁺ Systems. Physica Status Solidi (B): Basic Research, 1989, 155, 559-569.	0.7	45
143	Crystal-field and superposition-model analyses of Pr3+-LaF3 in C2 symmetry. Journal of the Less Common Metals, 1989, 148, 213-217.	0.9	17
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145	Comparison of crystal field parameters for Ln(C2H5SO4)3Â·9H2O and Na3(Ln(C4H4O5)3)Â·2NaClO4Â·6H2O systems. Journal of the Less Common Metals, 1989, 148, 311-319.	0.9	11
146	Intensity parameters for Eu3+ luminescence â€" Tests of the superposition model. Journal of the Less Common Metals, 1989, 148, 207-212.	0.9	5
147	Phenomenological spin-correlated crystal-field analyses of energy levels in Ln3+:LaCl3 systems. Journal of the Less Common Metals, 1989, 148, 289-296.	0.9	108
148	On the use of EÂ· r and AÂ· p in perturbation calculations of transition intensities for paramagnetic ions in solids. Journal of Physics and Chemistry of Solids, 1988, 49, 185-189.	1.9	8
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