

Yang Mei

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic effect to gyromagnetic factors of the compressed tetragonal molybdenum (V) tetrahedral center in the light-irradiated lead molybdate crystal. Spectroscopy Letters, 2022, 55, 13-19.	1.0	0
2	Relationship between the gyromagnetic anisotropy and tetragonal distortion for d^{1+} ions in octahedral clusters. Spectroscopy Letters, 2021, 54, 188-194.	1.0	0
3	Defect model of V ⁴⁺ center in vanadium (V)-doped La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ crystal. Optik, 2020, 202, 163570.	2.9	3
4	Unifying analyses of the crystal field energy levels and EPR g factors for the trigonal Co ²⁺ tetrahedral center in α -alumina. Optik, 2020, 206, 164246.	2.9	0
5	Spin-Hamiltonian parameters, defect model and defect structure for the tetragonal Mo ⁵⁺ center in x-ray-irradiated α -ZnMoO ₄ crystals. Radiation Effects and Defects in Solids, 2019, 174, 721-727.	1.2	1
6	United calculation of the optical and EPR spectral data for Co ²⁺ -doped CdS crystal. Optik, 2019, 194, 163087.	2.9	2
7	Insight into the thermal shifts of ten fluorescence peaks $Y_1 \sim Y_{10}$ for Sm ³⁺ ions in Y ₃ Al ₅ O ₁₂ crystal. Journal of Physics and Chemistry of Solids, 2019, 135, 109101.	4.0	0
8	Comparative studies of electron-phonon coupling parameters in the luminescence lines for Zn ₂ SiO ₄ : Mn ²⁺ and Zn ₂ SiO ₄ : En ³⁺ crystals. Journal of Luminescence, 2019, 212, 180-183.	3.1	6
9	A uniform research on the optical and EPR spectral data for the trigonal Cr ³⁺ center in Cr ³⁺ -doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ garnet. Optik, 2019, 184, 185-188.	2.9	4
10	Spin-Hamiltonian parameters and tetragonal distortion for the (WO ₆) ₇ octahedral centers in the WO ₃ -doped Zn(PO ₄) ₂ ZnO nanopowders. Optik, 2019, 179, 965-968.	2.9	2
11	Trigonal Distortions of the Cr ³⁺ Octahedral Centers in Cr ³⁺ -Doped ABO ₃ (A = Sc, In, Lu) Crystals Obtained by Analyzing EPR Data. Applied Magnetic Resonance, 2018, 49, 285-292.	1.2	2
12	Investigations of the optical and EPR data and local structure for the trigonal tetrahedral Co ²⁺ centers in LiGa ₅ O ₈ : Co ²⁺ crystal. Physica B: Condensed Matter, 2018, 528, 14-17.	2.7	1
13	A study on the thermal red-shift of R ₁ -line for LiAl ₅ O ₈ : Cr ³⁺ crystal from the static and vibrational effects. Optik, 2018, 155, 213-215.	2.9	8
14	Analysis of the optical band positions for manganese (IV) ions in trigonal barium titanium hexafluoride and barium silicon hexafluoride crystals. Spectroscopy Letters, 2018, 51, 422-425.	1.0	1
15	Investigations of the optical and EPR spectral data for the trigonal Cr ³⁺ center in ZnGa ₂ O ₄ : Cr ³⁺ crystal with a unified method-complete diagonalization of energy matrix. Optik, 2018, 174, 563-566.	2.9	0
16	Research of the spin-Hamiltonian parameters for the tetragonal Co ²⁺ tetrahedral centers in Y ₃ Al ₅ O ₁₂ and Y ₃ Ga ₅ O ₁₂ crystals. Optik, 2018, 168, 61-64.	2.9	1
17	Thermal shifts and electron-phonon coupling parameters for Cr ³⁺ -doped Lu ₃ Al ₅ O ₁₂ and Lu ₃ Ga ₅ O ₁₂ garnet crystals. Optik, 2018, 171, 304-307.	2.9	5
18	Thermal Shifts and Electron-Phonon Coupling Parameters for the Three Luminescence Lines of $d^5 d^{7+}$ f^2 in SrFCl:Sm ²⁺ Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 657-659.	1.5	8

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19	Local tetragonal distortions of the $(CrF_6)^{3+}$ and $(FeF_6)^{3+}$ octahedral clusters in Cr^{3+} - and Fe^{3+} -doped tetragonal $Rb_2K_2GaF_6$ crystals. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 337-341.	1.2	0
20	Research on the optical and EPR spectral data and the local structure for the trigonal Mn^{4+} centers in $MgTiO_3$ crystal. <i>Chemical Physics</i> , 2017, 492, 23-26.	1.9	2
21	Local linear compressibility of $(MnF_6)^{2+}$ clusters in Mn^{4+} -doped $BaTiF_6$ red phosphor. <i>Optik</i> , 2017, 141, 136-138.	2.9	0
22	Studies of the optical and EPR spectral data for the trigonal strong field Cr^{3+} centers in Cr^{3+} -doped $Ca_3Ga_2Ge_4O_{14}$ and $Sr_3Ga_2Ge_4O_{14}$ crystals. <i>Optik</i> , 2017, 139, 1-5.	2.9	4
23	Uniform calculation of the optical and EPR spectral data for the trigonal $(CrO_6)^{9+}$ octahedral clusters in $Y_3Al_5O_{12}$ crystal. <i>Polyhedron</i> , 2017, 128, 121-125.	2.2	2
24	Theoretical research on the spin-Hamiltonian parameters of the square-planar CuS_4^{6+} clusters in $Cu(II)$ -dithiophosphate complexes. <i>Molecular Physics</i> , 2017, 115, 710-713.	1.7	1
25	Studies of the optical and EPR data and the defect structure for the trigonal Cr^{3+} center in $LaMgAl_{11}O_{19}$ crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 103, 160-163.	4.0	0
26	Crystal field energy levels, spin-Hamiltonian parameters and local structures for the Cr^{3+} and Mn^{4+} centers in $La_3Ga_5SiO_{14}$ crystals. <i>Optical Materials</i> , 2017, 64, 310-313.	3.6	4
27	Explanations of the g factors for the tetragonal $(MoO_4)^{2+}$ clusters in γ -irradiated $(MoO_4)^{2+}$ -doped KDP and ADP crystals through the dynamic effect. <i>EPL Applied Physics</i> , 2016, 75, 10701.	0.7	3
28	Researches of the optical band positions, spin-Hamiltonian parameters and defect structures for Cr^{3+} -doped colquiriite-type fluoride crystals $LiSrGaF_6$, $LiSrAlF_6$ and $LiCaAlF_6$. <i>Journal of Fluorine Chemistry</i> , 2016, 189, 39-42.	1.7	6
29	Research of the g factors, optical band positions and local structure for the tetragonal octahedral $(CrO_6)^{7+}$ clusters in glasses. <i>Molecular Physics</i> , 2016, 114, 2944-2947.	1.7	0
30	Theoretical research of the spin-Hamiltonian parameters for two rhombic W^{5+} centers in $KTiOPO_4$ (KTP) crystal through a two-mechanism model. <i>Physica B: Condensed Matter</i> , 2016, 497, 31-33.	2.7	3
31	A Unified Calculation of the Optical and EPR Spectral Data for the Trigonal Cr^{3+} Center in Cr^{3+} -Doped $\tilde{A}RbAl(SO_4)_2 \cdot 12H_2O$ Alum Crystal. <i>Acta Physica Polonica A</i> , 2016, 129, 340-343.	0.5	0
32	A Unified Calculation of the Optical and EPR Spectral Data for the Trigonal Cr^{3+} Center in Cr^{3+} -Doped $\tilde{A}RbAl(SO_4)_2 \cdot 12H_2O$ Alum Crystal (<i>Acta Physica Polonica A</i> 129, 340 (2016)), ERRATUM. <i>Acta Physica Polonica A</i> , 2016, 129, 1264-1264.	0.5	0
33	Researching the spin-Hamiltonian parameters of Cr^{5+} ions in $CaWO_4$ and $CaMoO_4$ crystals with the two-mechanism model. <i>Radiation Effects and Defects in Solids</i> , 2015, 170, 931-937.	1.2	3
34	Calculations of the optical and EPR spectral data for Cr^{3+} ion in $Y_3Ga_5O_{12}$ crystal from the complete diagonalisation method. <i>Molecular Physics</i> , 2015, 113, 1396-1399.	1.7	1
35	Assignments of the optical band positions and theoretical calculations of the spin-Hamiltonian parameters for the tetragonal W^{5+} octahedral clusters in tungsten oxide (WO_3)-based glasses. <i>Physica B: Condensed Matter</i> , 2015, 461, 106-109.	2.7	6
36	Research on the optical band positions, spin-Hamiltonian parameters and atom-position parameter of Co^{2+} ion in $CdSe$ crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 391, 1-4.	2.3	3

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37	Unified calculation of optical and EPR spectral data for Cr ³⁺ -doped KAl(MoO ₄) ₂ crystal. Optical Materials, 2015, 39, 232-234.	3.6	5
38	Research on the Spin-Hamiltonian Parameters and Local Structure for the Tetragonal Mo ⁵⁺ -Centers in CaWO ₄ Crystal. Acta Physica Polonica A, 2014, 126, 1275-1279.	0.5	7
39	Investigations of the optical spectral bands, g factors and local structure for the tetragonal Cr ⁵⁺ tetrahedral clusters in Cr-doped silica glasses. Journal of Alloys and Compounds, 2014, 614, 140-143.	5.5	6
40	Theoretical studies of the spin-Hamiltonian parameters for the rhombic Mo ⁵⁺ tetrahedral centres in ZrSiO ₄ crystal from a two-mechanism model. Molecular Physics, 2014, 112, 1924-1928.	1.7	5
41	Investigations of the Spin-Hamiltonian Parameters for the Rhombic Mo ⁵⁺ Centers in Ca _{1-x} Y _x MoO ₄ Crystal. Applied Magnetic Resonance, 2014, 45, 723-730.	1.2	1
42	Spin-Hamiltonian parameters and local structures of the tetragonal (CrO ₄) ₃ clusters in Cr ⁵⁺ -doped KDP-type crystals. Optical Materials, 2014, 36, 1250-1254.	3.6	10
43	Unified calculations of the optical band positions and EPR g factors for NaCrS ₂ crystal. Journal of Magnetism and Magnetic Materials, 2014, 360, 38-40.	2.3	10
44	Investigations of the g factors and optical spectral band positions for Cr ⁵⁺ in Sr ₂ (VO ₄)Cl crystal. Optik, 2013, 124, 5851-5853.	2.9	3
45	Theoretical calculations of the optical band positions and zero-field splitting 2D for Cr ³⁺ ions in fluoride garnet Na ₃ Li ₃ In ₂ F ₁₂ . Physica B: Condensed Matter, 2013, 431, 94-96.	2.7	2
46	Copolymers of dicyclopentadiene and tricyclopentadiene. Polymer Science - Series B, 2013, 55, 344-348.	0.8	3
47	Studies on the spin-Hamiltonian parameters of two Cu ²⁺ centers and their defect structures due to Jahn-Teller effect for Cu ²⁺ -doped ZnGa ₂ O ₄ spinel. Philosophical Magazine, 2012, 92, 760-767.	1.6	19
48	Synthesis of poly(imino ketone)s by palladium catalysis C-N cross-coupling reaction. Polymer Science - Series B, 2012, 54, 323-329.	0.8	3
49	Studies of the g factors for the tetragonally elongated and compressed Cu ^{II} N ₆ octahedra in (M ^I = K, Rb, Cs; M ^{II} = Ca, Sr, Ba, Pb) crystals. Philosophical Magazine, 2010, 90, 1701-1709.	1.6	10
50	Defect model and spin-Hamiltonian parameters for the tetragonal Mo ⁵⁺ and W ⁵⁺ centers in Cs ₂ ZrCl ₆ and Cs ₂ HfCl ₆ crystals. Philosophical Magazine, 2009, 89, 1621-1628.	1.6	23
51	Theoretical calculations of the spin-Hamiltonian parameters from a two-mechanism model for Cr ⁵⁺ ions in MVO ₃ (M = Li, Na, K, Rb) crystals. Molecular Physics, 2009, 107, 2245-2249.	1.7	17
52	Spin Hamiltonian parameters and defect structure for the X-ray-induced NbLi ⁴⁺ center in LiNbO ₃ crystal. Journal of Alloys and Compounds, 2008, 453, 32-35.	5.5	6
53	Optical spectra and spin Hamiltonian parameters for rhombic Zr ³⁺ in Y ₃ Al ₅ O ₁₂ . Journal of Applied Physics, 2007, 101, 053911.	2.5	38
54	Theoretical Investigations of the EPR Parameters of Ti ³⁺ in Beryl Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 286-288.	1.5	15

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55	EPR Parameters and Local Atom-position Parameters for Co ²⁺ Ions in CdS and CdSe Semiconductors. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 783-786.	1.5	5