Yang Mei

List of Publications by Year
in descending order

55	270	1163117 8	1058476 14
papers	citations	h-index	g-index

55	55	55	100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical spectra and spin Hamiltonian parameters for rhombic Zr3+ in Y3Al5O12. Journal of Applied Physics, 2007, 101, 053911.	2.5	38
2	Defect model and spin-Hamiltonian parameters for the tetragonal Mo⁵⁺and W⁵⁺centers in Cs₂ZrCl₆and Cs₂HfCl₆crystals. Philosophical Magazine, 2009, 89, 1621-1628.	1.6	23
3	Studies on the spin-Hamiltonian parameters of two Cu2+centers and their defect structures due to Jahnâ€“Teller effect for Cu2+-doped ZnGa2O4spinel. Philosophical Magazine, 2012, 92, 760-767.	1.6	19
4	Theoretical calculations of the spin-Hamiltonian parameters from a two-mechanism model for Cr⁵⁺ions in MVO₃(M = Li, Na, K, Rb) crystals. Molecular Physics, 2009, 107, 2245-2249.	1.7	17
5	Theoretical Investigations of the EPR Parameters of Ti3+ in Beryl Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 286-288.	1.5	15
6	Studies of thegfactors for the tetragonally elongated and compressed Cu^{II}N₆octahedra in (M^I= K, Rb, Cs; M^{II}= Ca, Sr, Ba, Pb) crystals. Philosophical Magazine, 2010, 90, 1701-1709.	1.6	10
7	Spin-Hamiltonian parameters and local structures of the tetragonal (CrO4)3â^' clusters in Cr5+-doped KDP-type crystals. Optical Materials, 2014, 36, 1250-1254.	3.6	10
8	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
9	A study on the thermal red-shift of R1-line for LiAl5O8: Cr3+ crystal from the static and vibrational effects. Optik, 2018, 155, 213-215.	2.9	8
10	Thermal Shifts and Electron-Phonon Coupling Parameters for the Three Luminescence Lines of ⁵ D _Jâ†'⁷ F _J in SrFCl:Sm²⁺ Crystal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 657-659.	1.5	8
11	Research on the Spin-Hamiltonian Parameters and Local Structure for the Tetragonal Mo5+Centers in CaWO4Crystal. Acta Physica Polonica A, 2014, 126, 1275-1279.	0.5	7
12	Spin Hamiltonian parameters and defect structure for the X-ray-induced NbLi4+ center in LiNbO3 crystal. Journal of Alloys and Compounds, 2008, 453, 32-35.	5.5	6
13	Investigations of the optical spectral bands, g factors and local structure for the tetragonal Cr5+ tetrahedral clusters in Cr-doped silica glasses. Journal of Alloys and Compounds, 2014, 614, 140-143.	5.5	6
14	Assignments of the optical band positions and theoretical calculations of the spin-Hamiltonian parameters for the tetragonal W5+ octahedral clusters in tungsten oxide (WO3)-based glasses. Physica B: Condensed Matter, 2015, 461, 106-109.	2.7	6
15	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. Journal of Fluorine Chemistry, 2016, 189, 39-42.	1.7	6
16	Comparative studies of electron-phonon coupling parameters in the luminescence lines for Zn2SiO4: Mn2+ and Zn2SiO4: En3+ crystals. Journal of Luminescence, 2019, 212, 180-183.	3.1	6
17	EPR Parameters and Local Atom-position Parameters for Co2+ Ions in CdS and CdSe Semiconductors. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 783-786.	1.5	5
18	Theoretical studies of the spin-Hamiltonian parameters for the rhombic Mo⁵⁺tetrahedral centres in ZrSiO₄crystal from a two-mechanism model. Molecular Physics, 2014, 112, 1924-1928.	1.7	5

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19	Unified calculation of optical and EPR spectral data for Cr3+-doped KAl(MoO4)2 crystal. Optical Materials, 2015, 39, 232-234.	3.6	5
20	Thermal shifts and electron-phonon coupling parameters for Cr3+-doped Lu3Al5O12 and Lu3Ga5O12 garnet crystals. Optik, 2018, 171, 304-307.	2.9	5
21	Studies of the optical and EPR spectral data for the trigonal strong field Cr3+ centers in Cr3+-doped Ca3Ga2Ge4O14 and Sr3Ga2Ge4O14 crystals. Optik, 2017, 139, 1-5.	2.9	4
22	Crystal field energy levels, spin-Hamiltonian parameters and local structures for the Cr 3+ and Mn 4+ centers in La 3 Ga 5 SiO 14 crystals. Optical Materials, 2017, 64, 310-313.	3.6	4
23	A uniform research on the optical and EPR spectral data for the trigonal Cr3+ center in Cr3+-doped Ca3Ga2Ge3O12 garnet. Optik, 2019, 184, 185-188.	2.9	4
24	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
25	Investigations of the g factors and optical spectral band positions for Cr5+ in Sr2(VO4)Cl crystal. Optik, 2013, 124, 5851-5853.	2.9	3
26	Copolymers of dicyclopentadiene and tricyclopentadiene. Polymer Science - Series B, 2013, 55, 344-348.	0.8	3
27	Researching the spin-Hamiltonian parameters of Cr5+ions in CaWO4and CaMoO4crystals with the two-mechanism model. Radiation Effects and Defects in Solids, 2015, 170, 931-937.	1.2	3
28	Research on the optical band positions, spin-Hamiltonian parameters and atom-position parameter of Co2+ ion in CdSe crystal. Journal of Magnetism and Magnetic Materials, 2015, 391, 1-4.	2.3	3
29	Explanations of the g factors for the tetragonal (MoO4)3â˜clusters inÎ³-irradiated (MoO4)2â˜-doped KDP and ADP crystals through the dynamic effect. EPJ Applied Physics, 2016, 75, 10701.	0.7	3
30	Theoretical research of the spin-Hamiltonian parameters for two rhombic W5+ centers in KTiOPO4 (KTP) crystal through a two-mechanism model. Physica B: Condensed Matter, 2016, 497, 31-33.	2.7	3
31	Defect model of V4+ center in vanadium (V)-doped La3Ga5.5Ta0.5O14 crystal. Optik, 2020, 202, 163570.	2.9	3
32	Theoretical calculations of the optical band positions and zero-field splitting 2D for Cr3+ ions in fluoride garnet Na3Li3In2F12. Physica B: Condensed Matter, 2013, 431, 94-96.	2.7	2
33	Research on the optical and EPR spectral data and the local structure for the trigonal Mn 4+ centers in MgTiO 3 crystal. Chemical Physics, 2017, 492, 23-26.	1.9	2
34	Uniform calculation of the optical and EPR spectral data for the trigonal (CrO 6) 9â˜ octahedral clusters in Y 3 Al 5 O 12 crystal. Polyhedron, 2017, 128, 121-125.	2.2	2
35	Trigonal Distortions of the Cr3+ Octahedral Centers in Cr3+-Doped ABO3 (AÂ=ÂSc, In, Lu) Crystals Obtained by Analyzing EPR Data. Applied Magnetic Resonance, 2018, 49, 285-292.	1.2	2
36	United calculation of the optical and EPR spectral data for Co2+-doped CdS crystal. Optik, 2019, 194, 163087.	2.9	2

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37	Spin-Hamiltonian parameters and tetragonal distortion for the (WO6)7â˜ octahedral centers in the WO3-doped Zn(PO4)2 ZnO nanopowders. Optik, 2019, 179, 965-968.	2.9	2
38	Investigations of the Spin-Hamiltonian Parameters for the Rhombic Mo5+ Centers in Ca1â˜'x Y x MoO4 Crystal. Applied Magnetic Resonance, 2014, 45, 723-730.	1.2	1
39	Calculations of the optical and EPR spectral data for Cr3+ion in Y3Ga5O12crystal from the complete diagonalisation method. Molecular Physics, 2015, 113, 1396-1399.	1.7	1
40	Theoretical research on the spin-Hamiltonian parameters of the square-planar CuS46â˜' clusters in Cu(II)â€"dithiophosphonate complexes. Molecular Physics, 2017, 115, 710-713.	1.7	1
41	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
42	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
43	Research of the spin-Hamiltonian parameters for the tetragonal Co2+ tetrahedral centers in Y3Al5O12 and Y3Ga5O12 crystals. Optik, 2018, 168, 61-64.	2.9	1
44	Spin-Hamiltonian parameters, defect model and defect structure for the tetragonal Mo⁵⁺ center in x-ray-irradiated Î±-ZnMoO₄ crystals. Radiation Effects and Defects in Solids, 2019, 174, 721-727.	1.2	1
45	Research of the g factors, optical band positions and local structure for the tetragonal octahedral (CrO₆)^{7â˜'} clusters in glasses. Molecular Physics, 2016, 114, 2944-2947.	1.7	0
46	Local tetragonal distortions of the (CrF6)3â˜'and (FeF6)3â˜'octahedral clusters in Cr3+- and Fe3+-doped tetragonal Rb2KGaF6crystals. Radiation Effects and Defects in Solids, 2017, 172, 337-341.	1.2	0
47	Local linear compressibility of (MnF6)2â˜' clusters in Mn4+-doped BaTiF6 red phosphor. Optik, 2017, 141, 136-138.	2.9	0
48	Studies of the optical and EPR data and the defect structure for the trigonal Cr 3+ center in LaMgAl 11 O 19 crystal. Journal of Physics and Chemistry of Solids, 2017, 103, 160-163.	4.0	0
49	Investigations of the optical and EPR spectral data for the trigonal Cr3+ center in ZnGa2O4: Cr3+ crystal with a unified method-complete diagonalization of energy matrix. Optik, 2018, 174, 563-566.	2.9	0
50	Insight into the thermal shifts of ten fluorescence peaks Y1â€"Y10 for Sm3+ ions in Y3Al5O12 crystal. Journal of Physics and Chemistry of Solids, 2019, 135, 109101.	4.0	0
51	Unifying analyses of the crystal field energy levels and EPR g factors for the trigonal Co2+ tetrahedral center in Î²Ë•alumina. Optik, 2020, 206, 164246.	2.9	0
52	Relationship between the gyromagnetic anisotropy and tetragonal distortion for d¹ ions in octahedral clusters. Spectroscopy Letters, 2021, 54, 188-194.	1.0	0
53	A Unified Calculation of the Optical and EPR Spectral Data for the Trigonal Cr³⁺Center in Cr³⁺-Doped Î±-RbAl(SO₄)₂Â·12H₂O Alum Crystal. Acta Physica Polonica A, 2016, 129, 340-343.	0.5	0
54	A Unified Calculation of the Optical and EPR Spectral Data for the Trigonal Cr3+Center in Cr3+-Doped Î±-RbAl(SO4)2Â·12H2O Alum Crystal (Acta Physica Polonica A 129, 340 (2016)), ERRATUM. Acta Physica Polonica A, 2016, 129, 1264-1264.	0.5	0

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55	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