

Lucyna MacAlik

List of Publications by Year in descending order

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117
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docs citations

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times ranked

2361
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#	ARTICLE	IF	CITATIONS
1	Phonon and luminescence properties of defected lead praseodymium tungstate solid solution. Journal of Luminescence, 2022, 243, 118625.	1.5	1
2	Structural and Luminescence Behavior of Nanocrystalline Orthophosphate $KMeY(PO_4)_2: Eu^{3+}$ (Me =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.8	3
3	Molecular structure and spectroscopic properties of new neodymium complex with 3-bromo-2-chloro-6-picolinic N-oxide showing the ligand-to-metal energy transfer. Journal of Molecular Structure, 2021, 1223, 128967.	1.8	8
4	Structure and optical properties of 3-bromo-4-methylthio-2,6-lutidine N-oxide and its eight-coordinate europium(III) and terbium(III) aqua complexes. Journal of Luminescence, 2021, 234, 117900.	1.5	1
5	Magnetic properties of $KY_{0.93}Er_{0.05}Tm_{0.02}(WO_4)_2$ and $NaY_{0.97}Er_{0.02}Tm_{0.01}(WO_4)_2$ nanocrystals obtained using Pechini and hydrothermal methods. Journal of Physics and Chemistry of Solids, 2020, 138, 109273.	1.9	1
6	Optical properties of terbium(III) and gadolinium(III) complexes with 2-hydroxy-5-methyl-3-nicotinic and 5-methyl-3-nicotinic acids " A new sensitive ligands for energy-transfer process. Optical Materials, 2020, 109, 110208.	1.7	1
7	Luminescence behaviour of the synthesized erbium and thulium co-doped potassium, sodium, lithium or rubidium yttrium double tungstate nanopowders. Optical Materials, 2020, 110, 110459.	1.7	3
8	Structural, phonon, magnetic and optical properties of novel perovskite-like frameworks of $TriBuMe[M(dca)_3]$ (TriBuMe = tributylmethylammonium; dca = dicyanamide; M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.6	39
9	Crystal structure, vibrational and optic properties of 2-N-methylamino-3-methylpyridine N-oxide " Its X-ray and spectroscopic studies as well as DFT quantum chemical calculations. Journal of Molecular Structure, 2019, 1195, 208-219.	1.8	5
10	Optical and magnetic properties of neodymium(III) six-coordinate complexes of 2,6-lutidine N-oxide derivatives. Journal of Solid State Chemistry, 2019, 276, 294-301.	1.4	7
11	Phase transition in the extreme: a cubic-to-triclinic symmetry change in dielectrically switchable cyanide perovskites. Dalton Transactions, 2019, 48, 15830-15840.	1.6	31
12	Magnetic properties of $NaY_{1-x}xHoxYby(WO_4)_2: x=0.05, y=0.02$ and $KY_{1-x}xHoxYby(WO_4)_2: x=0.02, y=0.01$ nanopowders obtained by Pechini and hydrothermal methods. Chemical Physics Letters, 2019, 715, 360-366.	1.2	2
13	DFT study of electron absorption and emission spectra of pyramidal $LnPc(OAc)$ complexes of some lanthanide ions in the solid state. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 202-208.	2.0	8
14	Crystal structure, phonon and luminescence properties of $AgRE(WO_4)_2$ tungstates, where $RE=Y, Pr, Nd, Sm - Lu$. Journal of Alloys and Compounds, 2018, 745, 779-788.	2.8	8
15	Spectral and energetic transformation of femtosecond light impulses in the Eu^{3+} complex with dehydroacetic acid. Journal of Luminescence, 2018, 198, 471-481.	1.5	4
16	Spectroscopic investigation and DFT modelling studies of Eu^{3+} complex with 1-(2,6-dihydroxyphenyl)ethanone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 322-329.	2.0	0
17	Alkali metal impact on structural and phonon properties of Er^{3+} and Tm^{3+} co-doped $MY(WO_4)_2$ (M = Li,) Tj ETQq1,1 0.7843,4 rgBT	1.7	4
18	Spectroscopic properties of Eu^{3+} complex with 2-hydroxy-4-methoxy-benzophenone " IR, Raman, DFT calculations and femtosecond laser excited luminescence. Journal of Luminescence, 2017, 190, 371-378.	1.5	0

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19	Pulse EPR and ENDOR Study of Manganese Doped $[(\text{CH}_3)_2\text{NH}]_2[\text{Zn}(\text{HCOO})_3]$ Hybrid Perovskite Framework. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27225-27232.	1.5	20
20	Structural and optical studies of Eu^{3+} doped $\text{Na}_3\text{Mg}_2\text{P}_5\text{O}_{16}$ pentaphosphate. <i>Journal of Alloys and Compounds</i> , 2017, 695, 21-26.	2.8	6
21	Molecular structure and vibrational spectra of quercetin and quercetin-5 \AA -sulfonic acid. <i>Vibrational Spectroscopy</i> , 2017, 88, 94-105.	1.2	23
22	Experimental and theoretical studies of structural phase transition in a novel polar perovskite-like $[\text{C}_2\text{H}_5\text{NH}_3][\text{Na}_{0.5}\text{Fe}_{0.5}(\text{HCOO})_3]$ formate. <i>Dalton Transactions</i> , 2016, 45, 2574-2583.	1.6	103
23	Structural, magnetic and phonon properties of Cr(III)-doped perovskite metal formate framework $[(\text{CH}_3)_2\text{NH}_2][\text{Mn}(\text{HCOO})_3]$. <i>Journal of Solid State Chemistry</i> , 2016, 237, 150-158.	1.4	30
24	Synthesis, structure and optical properties of two novel luminescent polar dysprosium metal-organic frameworks: $[(\text{CH}_3)_2\text{NH}]_2[\text{Dy}(\text{HCOO})_4]$ and $[\text{N}_2\text{H}_5][\text{Dy}(\text{HCOO})_4]$. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1019-1028.	2.7	16
25	Structural, Raman, FT-IR and optical properties of $\text{Rb}_3\text{Y}_2(\text{PO}_4)_3$ and $\text{Rb}_3\text{La}(\text{PO}_4)_2$ doped with Eu^{3+} ions. <i>New Journal of Chemistry</i> , 2015, 39, 8474-8483.	1.4	9
26	Spectroscopic and structural properties of $\text{Na}_3\text{RE}(\text{PO}_4)_2:\text{Yb}$ orthophosphates synthesised by hydrothermal method (RE=Y, Gd). <i>Journal of Alloys and Compounds</i> , 2015, 628, 199-207.	2.8	22
27	Polarized Raman and IR spectra of oriented $\text{Cd}_{0.9577}\text{Gd}_{0.0282}\text{MoO}_4$ and $\text{Cd}_{0.9346}\text{Dy}_{0.0436}\text{MoO}_4$ single crystals where δ denotes the cationic vacancies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 255-259.	2.0	12
28	Effect of thermal treatment on morphology and luminescence behaviour of potassium- and sodium-yttrium double tungstate nanopowders co-doped with holmium and ytterbium. <i>Journal of Luminescence</i> , 2015, 168, 218-227.	1.5	4
29	Optical and thermal characterization of microcrystalline $\text{Na}_3\text{RE}(\text{PO}_4)_2:\text{Yb}$ orthophosphates synthesized by Pechini method (RE= Y, La, Gd). <i>Journal of Alloys and Compounds</i> , 2015, 619, 275-283.	2.8	24
30	Structural, optical and EPR studies of $\text{NaCe}(\text{PO}_3)_4$ metaphosphate doped with Cr^{3+} . <i>Journal of Luminescence</i> , 2014, 146, 342-350.	1.5	7
31	Optical study of $\text{La}_3\text{Ga}_5.5\text{Ta}_{0.5}\text{O}_{14}$ single crystal co-doped with Ho^{3+} and Yb^{3+} . <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 183-194.	1.1	22
32	Structural, optical and EPR studies of Cr^{3+} doped $\text{Na}_3\text{Ce}(\text{PO}_4)_2$ orthophosphate. <i>Journal of Alloys and Compounds</i> , 2014, 606, 124-131.	2.8	6
33	Synthesis and order-disorder transition in a novel metal formate framework of $[(\text{CH}_3)_2\text{NH}]_2[\text{Na}_{0.5}\text{Fe}_{0.5}(\text{HCOO})_3]$. <i>Dalton Transactions</i> , 2014, 43, 17075-17084.	1.6	75
34	One step urea assisted synthesis of polycrystalline Eu^{3+} doped KYP_2O_7 luminescence and emission thermal quenching properties. <i>New Journal of Chemistry</i> , 2014, 38, 1129.	1.4	27
35	Vibrational properties and DFT calculations of formamidine-templated Co and Fe formates. <i>Vibrational Spectroscopy</i> , 2014, 75, 45-50.	1.2	30
36	Infrared and Raman studies of phase transitions in metal-organic frameworks of $[(\text{CH}_3)_2\text{NH}_2][\text{M}(\text{HCOO})_3]$ with M=Zn, Fe. <i>Vibrational Spectroscopy</i> , 2014, 71, 98-104.	1.2	100

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37	Phonons in nonlinear optical $\hat{\Gamma}$ -BiB ₃ O ₆ crystal: Raman and infrared spectra and lattice dynamics. Journal of Alloys and Compounds, 2013, 575, 86-89.	2.8	13
38	Temperature-dependent XRD, IR, magnetic, SEM and TEM studies of Jahn-Teller distorted NiCr ₂ O ₄ powders. Journal of Solid State Chemistry, 2013, 201, 270-279.	1.4	67
39	Correlation between the structural and spectroscopic parameters for Cd _{1-x} Gd _{2x-ix} MoO ₄ solid solutions where $\hat{\alpha}$ -i denotes cationic vacancies. Materials Chemistry and Physics, 2013, 139, 890-896.	2.0	22
40	Structure and vibrational properties of scheelite type Cd _{0.25} RE _{0.5} $\hat{\alpha}$ -i _{0.25} MoO ₄ solid solutions where $\hat{\alpha}$ -i is the cationic vacancy and RE=Sm $\hat{\alpha}$ -Dy. Journal of Molecular Structure, 2013, 1037, 332-337.	1.8	19
41	Magnetic Properties of KGd(WO ₄) ₂ Single Crystal Studied by EPR Spectroscopy. Journal of Materials Science Research, 2013, 2, .	0.1	0
42	EPR and optical properties of KY(WO ₄) ₂ :Gd ³⁺ powders. Journal of Materials Research, 2012, 27, 2973-2981.	1.2	6
43	EPR properties of KY(WO ₄) ₂ single crystals weakly doped with Er, Yb and Nd. Optical Materials, 2012, 34, 2086-2090.	1.7	13
44	Spectroscopic properties of Nd ³⁺ ion in several types of phosphate materials. Optical Materials, 2012, 34, 1023-1028.	1.7	14
45	EPR and optical properties of KYb(WO ₄) ₂ and K Tb _{0.2} Yb _{0.8} (WO ₄) ₂ single crystals. Open Physics, 2012, 10, .	0.8	2
46	Optical and structural characterisation of pure and Pr ³⁺ doped LaPO ₄ and CePO ₄ nanocrystals. Journal of Alloys and Compounds, 2011, 509, 7458-7465.	2.8	37
47	Crystallization of nanosized Aurivillius phase Bi ₂ W ₂ O ₉ from amorphous precursor. Materials Chemistry and Physics, 2011, 125, 93-101.	2.0	8
48	Raman and IR studies of TaWO _{5.5} , ASbWO ₆ (A = K, Rb, Cs, Tl), and ASbWO ₆ $\hat{\alpha}$ -H ₂ O (A = H, NH ₄ , Li, Na) pyrochlore oxides. Journal of Raman Spectroscopy, 2011, 42, 529-533.	1.2	26
49	A Raman scattering study of pressure-induced phase transitions in nanocrystalline Bi ₂ MoO ₆ . Journal of Physics Condensed Matter, 2011, 23, 045401.	0.7	11
50	Temperature-dependent Raman scattering study of cation-deficient Aurivillius phases: Bi ₂ WO ₆ and Bi ₂ W ₂ O ₉ . Journal of Physics Condensed Matter, 2011, 23, 405902.	0.7	14
51	Phonon properties of nanosized bismuth layered ferroelectric material $\hat{\alpha}$ -Bi ₂ WO ₆ . Journal of Raman Spectroscopy, 2010, 41, 1059-1066.	1.2	87
52	Synthesis and phonon properties of nanosized Aurivillius phase of Bi ₂ MoO ₆ . Journal of Raman Spectroscopy, 2010, 41, 1289-1296.	1.2	41
53	Optical properties of single crystals of heavy lanthanide chlorides. Polyhedron, 2010, 29, 1231-1236.	1.0	6
54	Phonon, optical and dielectric properties of RbNd(WO ₄) ₂ laser crystal. Optical Materials, 2010, 32, 1463-1470.	1.7	8

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55	EPR and vibrational studies of some tungstates and molybdates single crystals. <i>Optical Materials</i> , 2010, 32, 1560-1567.	1.7	20
56	Luminescence and Phonon Properties of Nanocrystalline $\text{Bi}_2\text{WO}_6:\text{Eu}^{3+}$; Photocatalyst Prepared from Amorphous Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5746-5754.	0.9	15
57	Temperature-dependent studies of the geometrically frustrated pyrochlores $\text{Ho}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2009, 79, 104407.	1.1	78
58	Structural and Optical Properties of Nano-Sized $\text{K}_3\text{Nd}(\text{PO}_4)_2:\text{Yb}^{3+}$ Orthophosphate. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5164-5169.	0.9	9
59	Luminescence and vibrational characteristics of the submicro crystals of lanthanum orthophosphates and metaphosphates codoped with Er^{3+} and Yb^{3+} ions. <i>Materials Chemistry and Physics</i> , 2009, 117, 262-267.	2.0	16
60	Raman and IR spectra of the cation-deficient Aurivillius layered crystal $\text{Bi}_2\text{W}_2\text{O}_9$. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2099-2103.	1.2	21
61	Mechanochemical synthesis of cerium orthophosphate. <i>Journal of Rare Earths</i> , 2009, 27, 598-602.	2.5	11
62	Optical spectroscopy of the geometrically frustrated pyrochlore $\text{Ho}_2\text{Ti}_2\text{O}_7$. <i>Optical Materials</i> , 2009, 31, 790-794.	1.7	19
63	EPR and vibrational studies of $\text{YVO}_4:\text{Tm}^{3+}$, Yb^{3+} single crystal. <i>Optical Materials</i> , 2009, 31, 1883-1887.	1.7	13
64	Crystal structure, spectroscopy and thermodynamic properties of M_2VWO_6 ($\text{M} = \text{Li}, \text{Na}$). <i>Journal of Solid State Chemistry</i> , 2009, 182, 3003-3012.	1.4	23
65	The crystal structure, vibrational and luminescence properties of the nanocrystalline $\text{KEu}(\text{WO}_4)_2$ and $\text{KGd}(\text{WO}_4)_2:\text{Eu}^{3+}$ obtained by the Pechini method. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2591-2600.	1.4	40
66	Vibrational spectra, X-ray and molecular structure of 1H- and 3H-imidazo[4,5-b]pyridine and their methyl derivatives: DFT quantum chemical calculations. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1-15.	1.2	14
67	Emission spectra of the sol-gel glass doped with europium(III) complexes of picolinic acid N-oxide: A new UV-light sensor. <i>Journal of Alloys and Compounds</i> , 2008, 451, 236-239.	2.8	13
68	Spectroscopic properties of the $\text{CaNb}_2\text{O}_6:\text{Pr}^{3+}$ single crystal. <i>Journal of Alloys and Compounds</i> , 2008, 451, 232-235.	2.8	19
69	Luminescence and optical absorption studies of submicro-dimensional cerium ortho- and metaphosphates doped with Eu^{3+} ions. <i>Journal of Alloys and Compounds</i> , 2008, 451, 254-257.	2.8	10
70	Luminescence, electronic absorption and vibrational IR and Raman studies of binary and ternary cerium ortho-, pyro- and meta-phosphates doped with Pr^{3+} ions. <i>Optical Materials</i> , 2007, 29, 1192-1205.	1.7	38
71	Vibrational dynamics and molecular structure of 1H- and 3H-1,2,3-triazolo[4,5-b]pyridine and its methyl-derivatives based on DFT chemical quantum calculations. <i>Chemical Physics</i> , 2007, 334, 90-108.	0.9	4
72	Normal coordinate analysis and DFT calculations of the vibrational spectra for lanthanide(III) complexes with 3-bromo-4-methoxy-2,6-lutidine N-oxide: $\text{LnCl}_3(3\text{Br}_4\text{CH}_3\text{OC}_7\text{H}_7\text{NO})_3$ ($\text{Ln} = \text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}$). <i>Tj ETQq</i> 0 0 rgBT4/Overlock		

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73	Spectroscopic characterisation of the Tm ³⁺ doped KLa(WO ₄) ₂ single crystals. <i>Optical Materials</i> , 2006, 28, 980-987.	1.7	44
74	Electronic Absorption and Vibrational IR and Raman Studies of Binary Phosphate β -K ₄ Ce ₂ P ₄ O ₁₅ . <i>ChemInform</i> , 2005, 36, no.	0.1	0
75	A pump-power-controlled luminescent switcher. <i>Applied Physics Letters</i> , 2005, 86, 011920.	1.5	27
76	Pressure-induced structural transformations in the molybdate Sc ₂ (MoO ₄) ₃ . <i>Physical Review B</i> , 2004, 69, .	1.1	52
77	Crystal structure and vibrational properties of nonlinear Eu ₃ BWO ₉ and Nd ₃ BWO ₉ crystals. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3595-3602.	1.4	30
78	Comparison of the spectroscopic behaviour of single crystals of lanthanide halides (X = Cl, Br). <i>Journal of Alloys and Compounds</i> , 2004, 380, 327-336.	2.8	17
79	Spectroscopic properties of Eu(III) complexes with 2,6-lutidine N-oxide and its bromo-methoxy derivative; of Eu(LNO) ₆ , Eu(LNO) ₅ L, EuCl ₃ (BrMLNO) ₃ and Eu(LNO) ₈ type. <i>Journal of Alloys and Compounds</i> , 2004, 380, 337-342.	2.8	5
80	Synthesis, structure and preliminary spectral properties of K ₄ RE _{0.01} W _{10.99} O ₃₅ hexatungstate bronze-like crystals (RE = Er, Eu). <i>Journal of Alloys and Compounds</i> , 2004, 380, 343-347.	2.8	1
81	Structure and properties of the KNbW ₂ O ₉ hexagonal bronze doped with Eu ³⁺ ions as an optically active probe. <i>Journal of Alloys and Compounds</i> , 2004, 380, 248-254.	2.8	28
82	Electronic absorption and vibrational IR and Raman studies of binary phosphate β -K ₄ Ce ₂ P ₄ O ₁₅ . <i>Journal of Alloys and Compounds</i> , 2004, 380, 274-278.	2.8	12
83	Ternary orthophosphates of the Ba ₃ Y _{1-x} Nd _x (PO ₄) ₃ family as possible powder laser materials. <i>Journal of Alloys and Compounds</i> , 2002, 341, 371-375.	2.8	31
84	Synthesis, X-ray structure and spectroscopic studies of new praseodymium(III) six-coordinate complexes with 3-halo-4-methoxy-2,6-lutidine N-oxide: PrCl ₃ (XCH ₃ OC ₇ H ₇ NO) ₃ where X=Cl, Br and I. <i>Journal of Alloys and Compounds</i> , 2002, 341, 87-97.	2.8	6
85	Comparison of the spectroscopic and crystallographic data of Tm ³⁺ in the different hosts: KLn(MO ₄) ₂ where Ln = Y, La, Lu and M = Mo, W. <i>Journal of Alloys and Compounds</i> , 2002, 341, 226-232.	2.8	47
86	Polarized infrared and Raman spectra of KGd(WO ₄) ₂ and their interpretation based on normal coordinate analysis. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 92-103.	1.2	62
87	Vibrational characteristics and structure of the six- and eight-coordinate praseodymium(III) complexes with 2,6-lutidine N-oxide derivatives. <i>Journal of Molecular Structure</i> , 2002, 605, 291-307.	1.8	5
88	Vibrational and excited electronic states of six-coordinate rare earth complexes with 2,6-lutidine n-oxide: [Ln(C ₇ H ₉ NO) ₆](ClO ₄) ₃ ·H ₂ O (Ln=Pr, Nd, Sm, Eu, Gd, Dy). <i>Journal of Molecular Structure</i> , 2002, 614, 243-255.	1.8	7
89	MnO ₄ ²⁻ and MnO ₄ ²⁻ molecular centers in cubic lattice: near infrared luminescence and resonance Raman spectra. <i>Journal of Molecular Structure</i> , 2001, 563-564, 353-357.	1.8	5
90	Spectroscopic evidences of the Jahn-Teller phase transition in the mixed crystals CsDy _{1-x} Bix(MoO ₄) ₂ . <i>Journal of Molecular Structure</i> , 2001, 563-564, 359-364.	1.8	5

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91	Spectroscopic investigation of Nd ³⁺ and Yb ³⁺ in Ca ₄ GdO(BO ₃) ₃ crystals. Journal of Molecular Structure, 2000, 555, 213-225.	1.8	30
92	Polarized Raman spectra of the oriented NaY(WO ₄) ₂ and KY(WO ₄) ₂ single crystals. Journal of Molecular Structure, 2000, 555, 289-297.	1.8	89
93	Emission and absorption properties of the eight-coordinate [Pr(C ₇ H ₉ NO) ₈](ClO ₄) ₃ complex with 3,4-lutidine N-oxide. Journal of Alloys and Compounds, 2000, 300-301, 377-382.	2.8	12
94	Synthesis, chemical characterisation and spectroscopic studies of the six-coordinate 3-halo-2,6-lutidine N-oxide complex [PrCl ₃ (H ₂ O)(BrC ₇ H ₈ NO) ₂]H ₂ O – a new Pr(III) compound. Journal of Alloys and Compounds, 2000, 300-301, 383-388.	2.8	10
95	Vibrational characteristics of the double oxygen bridge in the NaIn(WO ₄) ₂ and NaSc(WO ₄) ₂ tungstates with wolframite structure. Journal of Molecular Structure, 1999, 511-512, 85-106.	1.8	24
96	Optical properties of Pr ³⁺ in lanthanum double molybdates and tungstates: KLa _{1-x} Pr _x (MO ₄) ₂ (M=Mo, W; 0 < x < 1). Journal of Molecular Structure, 2000, 555, 289-297.	2.0	33
97	Comparative optical studies of lanthanide complexes with three types of phosphoro-azo derivatives of β^2 -diketones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 349-367.	2.0	31
98	Vibrational dynamics and nature of the double halide bridges for the example of solid A ₂ UX ₅ uranium(III) ternary systems (A=K, Rb; X=Cl, Br and I). Vibrational Spectroscopy, 1999, 21, 111-126.	1.2	5
99	Optical spectroscopy of Dy ³⁺ ions doped in KY(WO ₄) ₂ crystals. Journal of Luminescence, 1998, 79, 9-19.	1.5	57
100	Effect of random distribution and molecular interactions on optical properties of Er ³⁺ dopant in KY(WO ₄) ₂ and Ho ³⁺ in KYb(WO ₄) ₂ . Journal of Molecular Structure, 1998, 450, 179-192.	1.8	36
101	Polarized Raman and optical absorption spectra of monoclinic KCe(WO ₄) ₂ single crystal. Journal of Molecular Structure, 1997, 404, 213-220.	1.8	2
102	Promotional effect of molybdenum, chromium and cobalt on a V ⁵⁺ -Mg ²⁺ -O catalyst in oxidative dehydrogenation of ethylbenzene to styrene. Applied Catalysis A: General, 1996, 136, 143-159.	2.2	21
103	Luminescence and Lifetimes of Pr ³⁺ Excited States in KLa _{1-x} Pr _x (MoO ₄) ₂ and KLa _{1-x} Pr _x (WO ₄) ₂ Crystals. Acta Physica Polonica A, 1996, 90, 301-306.	0.2	5
104	Spectroscopic Studies of PrBr ₃ ·7H ₂ O Monocrystal. Acta Physica Polonica A, 1996, 90, 431-438.	0.2	19
105	Spectroscopic Studies of Neodymium and Europium Phosphoro-azo β^2 -Diketonates. Acta Physica Polonica A, 1996, 90, 455-460.	0.2	25
106	Synthesis and spectroscopic investigations of lanthanide compounds with phosphoroazo derivatives of β^2 -diketonates. Journal of Applied Spectroscopy, 1995, 62, 613-624.	0.3	24
107	Optical properties of Pr(III) in KLa _{1-x} Pr _x (MO ₄) ₂ crystals (M=Mo, W; 0 < x < 1). Journal of Applied Spectroscopy, 1995, 62, 832-839.	0.3	6
108	Vibrational properties of KLn(MoO ₄) ₂ crystals for light rare earth ions from lanthanum to terbium. Journal of Molecular Structure, 1994, 319, 17-30.	1.8	24

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109	Polarized Raman spectra of NaBi(MoO ₄) ₂ crystal and order-disorder effect in solid scheelites. Journal of Molecular Structure, 1994, 325, 119-124.	1.8	24
110	Spectroscopic Properties of Eu ³⁺ ion in KEu(MoO ₄) ₂ Crystal. Acta Physica Polonica A, 1993, 84, 895-898.	0.2	5
111	Electron Absorption and Emission Spectra of Eu ³⁺ in KEu(WO ₄) ₂ . Acta Physica Polonica A, 1993, 84, 899-902.	0.2	6
112	Optical Spectra of Neodymium and Europium Tungstates and Molybdates. Acta Physica Polonica A, 1993, 84, 909-916.	0.2	16
113	Physicochemical properties of Dy ³⁺ in single KY(MoO ₄) ₂ crystal (electron absorption, emission, IR,)	1.4	14
114	Polarized infra-red and Raman spectra of monoclinic KLn(WO ₄) ₂ single crystals (Ln = Sm, Lu, Y). Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 361-373.	0.1	61
115	Polarized i.r. and Raman spectra of orthorhombic KLn(MoO ₄) ₂ crystals (Ln = Y, Dy, Ho, Er, Tm, Yb, Lu). Spectrochimica Acta Part A: Molecular Spectroscopy, 1982, 38, 61-72.	0.1	45