

# Lucyna MacAlik

## List of Publications by Year in descending order

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115  
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2,434  
citations

185998

28  
h-index

253896

43  
g-index

117  
all docs

117  
docs citations

117  
times ranked

2361  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Dalton Transactions, 2016, 45, 2574-2583.	1.6	103
2	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 $\text{M}=\text{Zn}, \text{Fe}$ . Vibrational Spectroscopy, 2014, 71, 98-104.	1.2	100
3	Polarized Raman spectra of the oriented $\text{NaY}(\text{WO}_{4})_{2}$ and $\text{KY}(\text{WO}_{4})_{2}$ single crystals. Journal of Molecular Structure, 2000, 555, 289-297.	1.8	89
4	Phonon properties of nanosized bismuth layered ferroelectric material $\text{Bi}_{2}\text{WO}_{6}$ . Journal of Raman Spectroscopy, 2010, 41, 1059-1066.	1.2	87
5	Temperature-dependent studies of the geometrically frustrated pyrochlores $\text{Ho}_{2}\text{Mo}_{7}\text{O}_{28}$ . Physical Review B, 2009, 79, 041101.	1.1	78
6	Synthesis and order-disorder transition in a novel metal formate framework of $[(\text{CH}_{3})_{2}\text{NH}_{2}][\text{Na}_{0.5}\text{Fe}_{0.5}(\text{HCOO})_{3}]$ . Dalton Transactions, 2014, 43, 17075-17084.	1.6	75
7	Temperature-dependent XRD, IR, magnetic, SEM and TEM studies of Jahn-Teller distorted $\text{NiCr}_{2}\text{O}_{4}$ powders. Journal of Solid State Chemistry, 2013, 201, 270-279.	1.4	67
8	Polarized infrared and Raman spectra of $\text{KGd}(\text{WO}_{4})_{2}$ and their interpretation based on normal coordinate analysis. Journal of Raman Spectroscopy, 2002, 33, 92-103.	1.2	62
9	Polarized infra-red and Raman spectra of monoclinic $\text{Ln}(\text{WO}_{4})_{2}$ single crystals ( $\text{Ln} = \text{Sm}, \text{Lu}, \text{Y}$ ). Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 361-373.	0.1	61
10	Optical spectroscopy of $\text{Dy}^{3+}$ ions doped in $\text{KY}(\text{WO}_{4})_{2}$ crystals. Journal of Luminescence, 1998, 79, 9-19.	1.5	57
11	Pressure-induced structural transformations in the molybdate $\text{Sc}_{2}(\text{MoO}_{4})_{3}$ . Physical Review B, 2004, 69, .	1.1	52
12	Comparison of the spectroscopic and crystallographic data of $\text{Tm}^{3+}$ in the different hosts: $\text{KLn}(\text{MO}_{4})_{2}$ where $\text{Ln} = \text{Y}, \text{La}, \text{Lu}$ and $\text{M} = \text{Mo}, \text{W}$ . Journal of Alloys and Compounds, 2002, 341, 226-232.	2.8	47
13	Polarized i.r. and Raman spectra of orthorhombic $\text{KLn}(\text{MoO}_{4})_{2}$ crystals ( $\text{Ln} = \text{Y}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}, \text{Yb}, \text{Lu}$ ). Spectrochimica Acta Part A: Molecular Spectroscopy, 1982, 38, 61-72.	0.1	45
14	Spectroscopic characterisation of the $\text{Tm}^{3+}$ doped $\text{KLa}(\text{WO}_{4})_{2}$ single crystals. Optical Materials, 2006, 28, 980-987.	1.7	44
15	Synthesis and phonon properties of nanosized Aurivillius phase of $\text{Bi}_{2}\text{MoO}_{6}$ . Journal of Raman Spectroscopy, 2010, 41, 1289-1296.	1.2	41
16	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. Journal of Solid State Chemistry, 2008, 181, 2591-2600.	1.4	40
17	Structural, phonon, magnetic and optical properties of novel perovskite-like frameworks of $\text{TriBuMe}[\text{M}(\text{dca})_{3}]$ ( $\text{TriBuMe} = \text{tributylmethylammonium}$ ; $\text{dca} = \text{dicyanamide}$ ; $\text{M} = \text{Tl}, \text{Bi}$ ). Journal of Solid State Chemistry, 2008, 181, 13006-13016.	1.6	39
18	Luminescence, electronic absorption and vibrational IR and Raman studies of binary and ternary cerium ortho-, pyro- and meta-phosphates doped with $\text{Pr}^{3+}$ ions. Optical Materials, 2007, 29, 1192-1205.	1.7	38

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19	Optical and structural characterisation of pure and Pr <sup>3+</sup> doped LaPO <sub>4</sub> and CePO <sub>4</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7458-7465.	2.8	37
20	Effect of random distribution and molecular interactions on optical properties of Er <sup>3+</sup> dopant in KY(WO <sub>4</sub> ) <sub>2</sub> and Ho <sup>3+</sup> in KYb(WO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Molecular Structure</i> , 1998, 450, 179-192.	1.8	36
21	Optical properties of Pr <sup>3+</sup> in lanthanum double molybdates and tungstates: KLa <sub>1-x</sub> Pr <sub>x</sub> (MO <sub>4</sub> ) <sub>2</sub> (M=Mo, W). <i>Journal of Molecular Structure</i> , 2001, 511, 1-14.	1.1	33
22	Comparative optical studies of lanthanide complexes with three types of phosphoro-azo derivatives of $\beta$ -diketonates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 349-367.	2.0	31
23	Ternary orthophosphates of the Ba <sub>3</sub> Y <sub>1-x</sub> Nd <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> family as possible powder laser materials. <i>Journal of Alloys and Compounds</i> , 2002, 341, 371-375.	2.8	31
24	Phase transition in the extreme: a cubic-to-triclinic symmetry change in dielectrically switchable cyanide perovskites. <i>Dalton Transactions</i> , 2019, 48, 15830-15840.	1.6	31
25	Spectroscopic investigation of Nd <sup>3+</sup> and Yb <sup>3+</sup> in Ca <sub>4</sub> GdO(BO <sub>3</sub> ) <sub>3</sub> crystals. <i>Journal of Molecular Structure</i> , 2000, 555, 213-225.	1.8	30
26	Crystal structure and vibrational properties of nonlinear Eu <sub>3</sub> BWO <sub>9</sub> and Nd <sub>3</sub> BWO <sub>9</sub> crystals. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3595-3602.	1.4	30
27	Vibrational properties and DFT calculations of formamide-templated Co and Fe formates. <i>Vibrational Spectroscopy</i> , 2014, 75, 45-50.	1.2	30
28	Structural, magnetic and phonon properties of Cr(III)-doped perovskite metal formate framework [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Mn(HCOO) <sub>3</sub> ]. <i>Journal of Solid State Chemistry</i> , 2016, 237, 150-158.	1.4	30
29	Structure and properties of the KNbW <sub>2</sub> O <sub>9</sub> hexagonal bronze doped with Eu <sup>3+</sup> ions as an optically active probe. <i>Journal of Alloys and Compounds</i> , 2004, 380, 248-254.	2.8	28
30	A pump-power-controlled luminescent switcher. <i>Applied Physics Letters</i> , 2005, 86, 011920.	1.5	27
31	One step urea assisted synthesis of polycrystalline Eu <sup>3+</sup> doped KYP <sub>2</sub> O <sub>7</sub> luminescence and emission thermal quenching properties. <i>New Journal of Chemistry</i> , 2014, 38, 1129.	1.4	27
32	Raman and IR studies of TaWO <sub>5.5</sub> , ASbWO <sub>6</sub> (A = K, Rb, Cs, Tl), and ASbWO <sub>6</sub> ·H <sub>2</sub> O (A = H, NH <sub>4</sub> , Li, Na) pyrochlore oxides. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 529-533.	1.2	26
33	Spectroscopic Studies of Neodymium and Europium Phosphoro-azo $\beta$ -Diketonates. <i>Acta Physica Polonica A</i> , 1996, 90, 455-460.	0.2	25
34	Vibrational properties of KLn(MoO <sub>4</sub> ) <sub>2</sub> crystals for light rare earth ions from lanthanum to terbium. <i>Journal of Molecular Structure</i> , 1994, 319, 17-30.	1.8	24
35	Polarized Raman spectra of NaBi(MoO <sub>4</sub> ) <sub>2</sub> crystal and order-disorder effect in solid scheelites. <i>Journal of Molecular Structure</i> , 1994, 325, 119-124.	1.8	24
36	Synthesis and spectroscopic investigations of lanthanide compounds with phosphoroazo derivatives of $\beta$ -diketonates. <i>Journal of Applied Spectroscopy</i> , 1995, 62, 613-624.	0.3	24

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37	Vibrational characteristics of the double oxygen bridge in the $\text{NaIn}(\text{WO}_4)_2$ and $\text{NaSc}(\text{WO}_4)_2$ tungstates with wolframite structure. <i>Journal of Molecular Structure</i> , 1999, 511-512, 85-106.	1.8	24
38	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
39	Crystal structure, spectroscopy and thermodynamic properties of $\text{MfWO}_6$ (Mf = Li, Na). <i>Journal of Solid State Chemistry</i> , 2009, 182, 3003-3012.	1.4	23
40	Molecular structure and vibrational spectra of quercetin and quercetin-5-sulfonic acid. <i>Vibrational Spectroscopy</i> , 2017, 88, 94-105.	1.2	23
41	Correlation between the structural and spectroscopic parameters for $\text{Cd}_{1-x}\text{Gd}_x\text{MoO}_4$ solid solutions where $x$ denotes cationic vacancies. <i>Materials Chemistry and Physics</i> , 2013, 139, 890-896.	2.0	22
42	Optical study of $\text{La}_3\text{Ga}_5.5\text{Ta}_{0.5}\text{O}_{14}$ single crystal co-doped with $\text{Ho}^{3+}$ and $\text{Yb}^{3+}$ . <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 183-194.	1.1	22
43	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
44	Promotional effect of molybdenum, chromium and cobalt on a $\text{V}^{2+}/\text{Mg}^{2+}/\text{O}$ catalyst in oxidative dehydrogenation of ethylbenzene to styrene. <i>Applied Catalysis A: General</i> , 1996, 136, 143-159.	2.2	21
45	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
46	EPR and vibrational studies of some tungstates and molybdates single crystals. <i>Optical Materials</i> , 2010, 32, 1560-1567.	1.7	20
47	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
48	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
49	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
50	Structure and vibrational properties of scheelite type $\text{Cd}_{0.25}\text{RE}_{0.5-x}\text{MoO}_4$ solid solutions where $x$ is the cationic vacancy and RE=Sm-Dy. <i>Journal of Molecular Structure</i> , 2013, 1037, 332-337.	1.8	19
51	Spectroscopic Studies of $\text{PrBr}_3 \cdot 7\text{H}_2\text{O}$ Monocrystal. <i>Acta Physica Polonica A</i> , 1996, 90, 431-438.	0.2	19
52	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
53	Luminescence and vibrational characteristics of the submicro crystals of lanthanum orthophosphates and metaphosphates codoped with $\text{Er}^{3+}$ and $\text{Yb}^{3+}$ ions. <i>Materials Chemistry and Physics</i> , 2009, 117, 262-267.	2.0	16
54	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

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55	Optical Spectra of Neodymium and Europium Tungstates and Molybdates. <i>Acta Physica Polonica A</i> , 1993, 84, 909-916.	0.2	16
56	Luminescence and Phonon Properties of Nanocrystalline Bi <sub>2</sub> WO <sub>6</sub> :Eu <sup>3+</sup> ; Photocatalyst Prepared from Amorphous Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5746-5754.	0.9	15
57	Physicochemical properties of Dy <sup>3+</sup> in single KY(MoO <sub>4</sub> ) <sub>2</sub> crystal (electron absorption, emission, IR,) $T_j \text{ ETQq1 } 1.0784314 \text{ rgBT} / \text{Overl}$	1.4	14
58	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
59	Temperature-dependent Raman scattering study of cation-deficient Aurivillius phases: Bi <sub>2</sub> WO <sub>6</sub> and Bi <sub>2</sub> W <sub>2</sub> O <sub>9</sub> . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 405902.	0.7	14
60	Spectroscopic properties of Nd <sup>3+</sup> ion in several types of phosphate materials. <i>Optical Materials</i> , 2012, 34, 1023-1028.	1.7	14
61	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
62	EPR and vibrational studies of YVO <sub>4</sub> :Tm <sup>3+</sup> , Yb <sup>3+</sup> single crystal. <i>Optical Materials</i> , 2009, 31, 1883-1887.	1.7	13
63	EPR properties of KY(WO <sub>4</sub> ) <sub>2</sub> single crystals weakly doped with Er, Yb and Nd. <i>Optical Materials</i> , 2012, 34, 2086-2090.	1.7	13
64	Phonons in nonlinear optical $\hat{\Gamma}$ -BiB <sub>3</sub> O <sub>6</sub> crystal: Raman and infrared spectra and lattice dynamics. <i>Journal of Alloys and Compounds</i> , 2013, 575, 86-89.	2.8	13
65	Emission and absorption properties of the eight-coordinate [Pr(C <sub>7</sub> H <sub>9</sub> NO) <sub>8</sub> ](ClO <sub>4</sub> ) <sub>3</sub> complex with 3,4-lutidine N-oxide. <i>Journal of Alloys and Compounds</i> , 2000, 300-301, 377-382.	2.8	12
66	Electronic absorption and vibrational IR and Raman studies of binary phosphate $\hat{\Gamma}$ <sup>2</sup> -K <sub>4</sub> Ce <sub>2</sub> P <sub>4</sub> O <sub>15</sub> . <i>Journal of Alloys and Compounds</i> , 2004, 380, 274-278.	2.8	12
67	Polarized Raman and IR spectra of oriented Cd <sub>0.9577</sub> Gd <sub>0.0282</sub> – $\hat{\gamma}$ 0.0141MoO <sub>4</sub> and Cd <sub>0.9346</sub> Dy <sub>0.0436</sub> – $\hat{\gamma}$ 0.0218MoO <sub>4</sub> single crystals where $\hat{\gamma}$ denotes the cationic vacancies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 255-259.	2.0	12
68	Mechanochemical synthesis of cerium orthophosphate. <i>Journal of Rare Earths</i> , 2009, 27, 598-602.	2.5	11
69	A Raman scattering study of pressure-induced phase transitions in nanocrystalline Bi <sub>2</sub> MoO <sub>6</sub> . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 045401.	0.7	11
70	Synthesis, chemical characterisation and spectroscopic studies of the six-coordinate 3-halo-2,6-lutidine N-oxide complex [PrCl <sub>3</sub> (H <sub>2</sub> O)(BrC <sub>7</sub> H <sub>8</sub> NO) <sub>2</sub> ]H <sub>2</sub> O – a new Pr(III) compound. <i>Journal of Alloys and Compounds</i> , 2000, 300-301, 383-388.	2.8	10
71	Luminescence and optical absorption studies of submicro-dimensional cerium ortho- and metaphosphates doped with Eu <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , 2008, 451, 254-257.	2.8	10
72	Structural and Optical Properties of Nano-Sized K <sub>3</sub> Nd(PO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> Orthophosphate. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5164-5169.	0.9	9

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73	Structural, Raman, FT-IR and optical properties of Rb <sub>3</sub> Y <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and Rb <sub>3</sub> La(PO <sub>4</sub> ) <sub>2</sub> doped with Eu <sup>3+</sup> ions. <i>New Journal of Chemistry</i> , 2015, 39, 8474-8483.	1.4	9
74	Phonon, optical and dielectric properties of RbNd(WO <sub>4</sub> ) <sub>2</sub> laser crystal. <i>Optical Materials</i> , 2010, 32, 1463-1470.	1.7	8
75	Crystallization of nanosized Aurivillius phase Bi <sub>2</sub> W <sub>2</sub> O <sub>9</sub> from amorphous precursor. <i>Materials Chemistry and Physics</i> , 2011, 125, 93-101.	2.0	8
76	DFT study of electron absorption and emission spectra of pyramidal LnPc(OAc) complexes of some lanthanide ions in the solid state. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 202-208.	2.0	8
77	Crystal structure, phonon and luminescence properties of AgRE(WO <sub>4</sub> ) <sub>2</sub> tungstates, where RE <sup>3+</sup> = Y, Pr, Nd, Sm - Lu. <i>Journal of Alloys and Compounds</i> , 2018, 745, 779-788.	2.8	8
78	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. <i>Journal of Molecular Structure</i> , 2021, 1223, 128967.	1.8	8
79	Vibrational and excited electronic states of six-coordinate rare earth complexes with 2,6-lutidine n-oxide: [Ln(C <sub>7</sub> H <sub>9</sub> NO) <sub>6</sub> ](ClO <sub>4</sub> ) <sub>3</sub> ·H <sub>2</sub> O (Ln=Pr,Nd,Sm,Eu,Gd,Dy). <i>Journal of Molecular Structure</i> , 2002, 614, 243-255.	1.8	7
80	Structural, optical and EPR studies of NaCe(PO <sub>3</sub> ) <sub>4</sub> metaphosphate doped with Cr <sup>3+</sup> . <i>Journal of Luminescence</i> , 2014, 146, 342-350.	1.5	7
81	Alkali metal impact on structural and phonon properties of Er <sup>3+</sup> and Tm <sup>3+</sup> co-doped MY(WO <sub>4</sub> ) <sub>2</sub> (M = Li, Tj). <i>ETQq</i> 1,17 0.7843 14 rgBT	1.7	7
82	Optical and magnetic properties of neodymium(III) six-coordinate complexes of 2,6-lutidine N-oxide derivatives. <i>Journal of Solid State Chemistry</i> , 2019, 276, 294-301.	1.4	7
83	Optical properties of Pr(III) in KLa <sub>1-x</sub> Pr <sub>x</sub> (MO <sub>4</sub> ) <sub>2</sub> crystals (M=Mo, W; 0 < x ≤ 1). <i>Journal of Applied Spectroscopy</i> , 1995, 62, 832-839.	0.3	6
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 <sub>3</sub> (XCH <sub>3</sub> OC <sub>7</sub> H <sub>7</sub> NO) <sub>3</sub> where X=Cl, Br and I. <i>Journal of Alloys and Compounds</i> , 2002, 341, 87-97.	2.8	6
85	Optical properties of single crystals of heavy lanthanide chlorides. <i>Polyhedron</i> , 2010, 29, 1231-1236.	1.0	6
86	EPR and optical properties of KY(WO <sub>4</sub> ) <sub>2</sub> :Gd <sup>3+</sup> powders. <i>Journal of Materials Research</i> , 2012, 27, 2973-2981.	1.2	6
87	Structural, optical and EPR studies of Cr <sup>3+</sup> doped Na <sub>3</sub> Ce(PO <sub>4</sub> ) <sub>2</sub> orthophosphate. <i>Journal of Alloys and Compounds</i> , 2014, 606, 124-131.	2.8	6
88	Structural and optical studies of Eu <sup>3+</sup> doped Na <sub>3</sub> Mg <sub>2</sub> P <sub>5</sub> O <sub>16</sub> pentaphosphate. <i>Journal of Alloys and Compounds</i> , 2017, 695, 21-26.	2.8	6
89	Electron Absorption and Emission Spectra of Eu <sup>3+</sup> in KEu(WO <sub>4</sub> ) <sub>2</sub> . <i>Acta Physica Polonica A</i> , 1993, 84, 899-902.	0.2	6
90	Vibrational dynamics and nature of the double halide bridges for the example of solid A <sub>2</sub> UX <sub>5</sub> uranium(III) ternary systems (A=K, Rb; X=Cl, Br and I). <i>Vibrational Spectroscopy</i> , 1999, 21, 111-126.	1.2	5

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91	MnO <sub>4</sub> <sup>2-</sup> and MnO <sub>4</sub> <sup>2-</sup> 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
92	Spectroscopic evidences of the Jahn-Teller phase transition in the mixed crystals CsDy <sub>1-x</sub> Bix(MoO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2001, 563-564, 359-364.	1.8	5
93	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
94	Spectroscopic properties of Eu(III) complexes with 2,6-lutidine N-oxide and its bromo-methoxy derivative; of Eu(LNO) <sub>6</sub> , Eu(LNO) <sub>5</sub> L, EuCl <sub>3</sub> (BrMLNO) <sub>3</sub> and Eu(LNO) <sub>8</sub> type. <i>Journal of Alloys and Compounds</i> , 2004, 380, 337-342.	2.8	5
95	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. <i>Journal of Molecular Structure</i> , 2019, 1195, 208-219.	1.8	5
96	Spectroscopic Properties of Eu <sup>3+</sup> ion in KEu(MoO <sub>4</sub> ) <sub>2</sub> Crystal. <i>Acta Physica Polonica A</i> , 1993, 84, 895-898.	0.2	5
97	Luminescence and Lifetimes of Pr <sup>3+</sup> Excited States in KLa <sub>1-x</sub> Pr <sub>x</sub> (MoO <sub>4</sub> ) <sub>2</sub> and KLa <sub>1-x</sub> Pr <sub>x</sub> (WO <sub>4</sub> ) <sub>2</sub> Crystals. <i>Acta Physica Polonica A</i> , 1996, 90, 301-306.	0.2	5
98	Normal coordinate analysis and DFT calculations of the vibrational spectra for lanthanide(III) complexes with 3-bromo-4-methoxy-2,6-lutidine N-oxide: LnCl <sub>3</sub> (3Br4CH <sub>3</sub> OC <sub>7</sub> H <sub>7</sub> NO) <sub>3</sub> (Ln=Pr, Nd, Sm, Eu.) <i>Tj ETQq0.0 0 rgBT/Overlock</i>	0.0	0
99	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
100	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
101	Spectral and energetic transformation of femtosecond light impulses in the Eu <sup>3+</sup> complex with dehydroacetic acid. <i>Journal of Luminescence</i> , 2018, 198, 471-481.	1.5	4
102	Luminescence behaviour of the synthesized erbium and thulium co-doped potassium, sodium, lithium or rubidium yttrium double tungstate nanopowders. <i>Optical Materials</i> , 2020, 110, 110459.	1.7	3
103	Structural and Luminescence Behavior of Nanocrystalline Orthophosphate KMeY(PO <sub>4</sub> ) <sub>2</sub> : Eu <sup>3+</sup> (Me =) <i>Tj ETQq1 1 0,784314 rgBT/Overlock</i>	1.3	3
104	Polarized Raman and optical absorption spectra of monoclinic KCe(WO <sub>4</sub> ) <sub>2</sub> single crystal. <i>Journal of Molecular Structure</i> , 1997, 404, 213-220.	1.8	2
105	EPR and optical properties of KYb(WO <sub>4</sub> ) <sub>2</sub> and K <sub>0.2</sub> Yb <sub>0.8</sub> (WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Open Physics</i> , 2012, 10, .	0.8	2
106	Magnetic properties of NaY <sub>1-x</sub> Y <sub>x</sub> (WO <sub>4</sub> ) <sub>2</sub> : x = 0.05, y = 0.02 and KY <sub>1-x</sub> Y <sub>x</sub> (WO <sub>4</sub> ) <sub>2</sub> : x = 0.02, y = 0.01 nanopowders obtained by Pechini and hydrothermal methods. <i>Chemical Physics Letters</i> , 2019, 715, 360-366.	1.2	2
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109	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
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