Elabieta Tomaszewicz

List of Publications by Year
in descending order

91	1,338	331670	477307
papers	citations	21 h-index	29 g-index

96	96	96	969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eu³⁺ luminescence from different sites in a scheelite-type cadmium molybdate red phosphor with vacancies. Journal of Materials Chemistry C, 2015, 3, 8582-8594.	5.5	73
2	Spectroscopic investigations of Cd0.25Gd0.50â–¡0.25WO4:Eu3 + â€" A new promising red phosphor. Journal of Non-Crystalline Solids, 2010, 356, 1902-1907.	3.1	51
3	Structural and spectroscopic characterizations of new Cd_{1â^'3x}Nd_{2x}â–¡_xMoO₄scheelite-type molybdates with vacancies as potential optical materials. Journal of Materials Chemistry C, 2015, 3, 4057-4069.	5.5	40
4	Spectroscopic properties, concentration quenching and Yb3+ site occupations in vacancied scheelite-type molybdates. Journal of Luminescence, 2016, 169, 755-764.	3.1	39
5	Mechanism and kinetics of thermal decomposition of nickel(II) sulfate(VI) hexahydrate. Journal of Thermal Analysis and Calorimetry, 2004, 77, 25-31.	3.6	38
6	Structural and spectroscopic characterizations of two promising Nd-doped monoclinic or tetragonal laser tungstates. Journal of Materials Chemistry, 2012, 22, 14896.	6.7	37
7	DTA/TG, IR, EPR and XPS studies of some praseodymium(III) tungstates. Materials Chemistry and Physics, 2010, 124, 646-651.	4.0	33
8	Spectroscopic Investigation of the Europium(3+) Ion in a New ZnY₄W₃O₁₆ Matrix. Helvetica Chimica Acta, 2009, 92, 2274-2290.	1.6	32
9	Magnetic properties of R2WO6 (where R=Nd, Sm, Eu, Gd, Dy and Ho). Physica B: Condensed Matter, 2009, 404, 2213-2217.	2.7	32
10	Nd3+ dopant influence on the structural and spectroscopic properties of microcrystalline La2Mo2O9 molybdate. Optical Materials, 2015, 41, 21-31.	3.6	32
11	Reactivity in the solid state between CoWO4 and RE2WO6 where RE=Sm, Eu, Gd. Thermochimica Acta, 2006, 447, 69-74.	2.7	30
12	New cadmium and rare-earth metal molybdates with scheelite-type structure. Materials Chemistry and Physics, 2010, 122, 595-601.	4.0	28
13	Dielectric properties of RE2W2O9 (RE=Pr, Smâ€"Gd) ceramics. Journal of the European Ceramic Society, 2015, 35, 4189-4193.	5.7	28
14	Synthesis and some properties of new zinc and rare-earth metal tungstates ZnRE4W3O16. Solid State Sciences, 2006, 8, 508-512.	3.2	26
15	Dielectric and magnetic permittivities of three new ceramic tungstates MPr2W2O10(Mâ€‰=â€‰Cd, Co, Mn). Philosophical Magazine, 2012, 92, 4167-4181.	1.6	26
16	The synthesis and properties of the phases obtained by solid-solid reactions. Journal of Mining and Metallurgy, Section B: Metallurgy, 2008, 44, 19-26.	0.8	25
17	New cadmium and rare earth metal tungstates with the scheelite type structure. Journal of Rare Earths, 2009, 27, 569-573.	4.8	23
18	Some optical and transport properties of a new subclass of ceramic tungstates and molybdates. Ceramics International, 2015, 41, 13080-13089.	4.8	23

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19	Correlation between the structural and spectroscopic parameters for Cd1â˜'3xGd2xâ–¡xMoO4 solid solutions where â–¡ denotes cationic vacancies. Materials Chemistry and Physics, 2013, 139, 890-896.	4.0	22
20	Thermal and magnetic properties of new scheelite type Cd1â˜'3xâ–¡xGd2xMoO4 ceramic materials. Journal of the European Ceramic Society, 2014, 34, 1511-1522.	5.7	22
21	Spectroscopic behavior of Nd3+ in a new microcrystalline ZnY4W3O16 tungstate. Optical Materials, 2011, 34, 487-495.	3.6	21
22	Electrical and magnetic properties of CdRE2W2O10 tungstates (RE=Y, Nd, Sm, Gdâ€“Er). Journal of Physics and Chemistry of Solids, 2013, 74, 86-93.	4.0	21
23	Dielectric and magnetic properties of CdMoO4:Gd3+ single crystal. Journal of Alloys and Compounds, 2014, 593, 230-234.	5.5	21
24	New vacancied and Dy3+-doped molybdates â€“ Their structure, thermal stability, electrical and magnetic properties. Ceramics International, 2016, 42, 18357-18367.	4.8	21
25	Correlation between the Band-Gap Energy and the Electrical Conductivity in MPr₂W_{_2}O₁₀Tungstates (Where M = Cd, Co, Mn). Acta Physica Polonica A, 2016, 129, A-94-A-96.	0.5	21
26	Development of Nd³⁺-doped Monoclinic Dimolybdates La₂Mo₂O₉ as Optical Materials. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 193-204.	0.7	20
27	Structure and vibrational properties of scheelite type Cd0.25RE0.5â–¡0.25MoO4 solid solutions where â–¡ is the cationic vacancy and RE=Smâ€“Dy. Journal of Molecular Structure, 2013, 1037, 332-337.	3.6	19
28	Some optical, magnetic and transport properties of CdMoO4:Nd3+. Ceramics International, 2016, 42, 4185-4193.	4.8	19
29	Synthesis, structure, and thermal stability of new scheelite-type Pb1â˜'3xâ–¡xPr2x(MoO4)1â˜'3x(WO4)3x ceramic materials. Journal of Thermal Analysis and Calorimetry, 2016, 126, 111-119.	3.6	19
30	Toward Optical Ceramics Based on Yb³⁺ Rare Earth Ion-Doped Mixed Molybdato-Tungstates: Part II - Spectroscopic Characterization. Journal of Physical Chemistry C, 2017, 121, 13303-13313.	3.1	18
31	Diffuse reflectance spectra of iron(III) vanadates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 2889-2892.	3.9	17
32	Use of XPS method in determination of chemical environment and oxidation state of sulfur and silver atoms in Ag₆S₃O₄and Ag₈S₄O₄compounds. Journal of Materials Science, 2004, 39, 2183-2185.	3.7	17
33	Superparamagnetic-like behavior and spinâ€“orbit coupling in (Co,Zn)RE4W3O16 tungstates (RE=Nd, Sm,) Tj ETQq1 1 0.784314 rgB	4.0	17
34	Solid state and combustion synthesis of Mn2+-doped scheelites â€“ Their optical and magnetic properties. Ceramics International, 2017, 43, 14135-14145.	4.8	15
35	Cubic Yb 3+ -activated Y 6 MoO 12 micro-powder â€“ optical material operating in NIR region. Optical Materials, 2017, 63, 3-12.	3.6	15
36	Combustion synthesis, structural, magnetic and dielectric properties of Gd3+-doped lead molybdato-tungstates. Journal of Advanced Ceramics, 2020, 9, 255-268.	17.4	15

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37	Application of neural networks in analysis of thermal decomposition of CoSO4Â·7H2O. Journal of Thermal Analysis and Calorimetry, 2003, 74, 583-588.	3.6	13
38	Subsolidus phase relations in CuWO4â€“Gd2WO6 system. Solid State Sciences, 2007, 9, 43-51.	3.2	13
39	New cobalt and rare earth metal tungstates CoRE2W2O10. Journal of Thermal Analysis and Calorimetry, 2007, 90, 255-259.	3.6	13
40	Synthesis, thermal stability and magnetic properties of novel cadmium and praseodymium tungstate Cd0.25Pr0.50â–¡0.25WO4 and its solid solutions. Thermochimica Acta, 2013, 568, 95-103.	2.7	13
41	Toward Optical Ceramics Based on Cubic Yb³⁺ Rare Earth Ion-Doped Mixed Molybdato-Tungstates: Part I - Structural Characterization. Journal of Physical Chemistry C, 2017, 121, 13290-13302.	3.1	13
42	Synthesis and thermal stability of rare-earths molybdates and tungstates with fluorite- and scheelite-type structure. Journal of Thermal Analysis and Calorimetry, 2017, 130, 69-76.	3.6	13
43	EPR properties of some new cadmium and rare-earth molybdates, molybdato-tungstates and their solid solutions. Journal of Alloys and Compounds, 2012, 520, 195-201.	5.5	12
44	Polarized Raman and IR spectra of oriented Cd0.9577Gd0.0282â–¡0.0141MoO4 and Cd0.9346Dy0.0436â–¡0.0218MoO4 single crystals where â–¡ denotes the cationic vacancies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 148, 255-259.	3.9	12
45	Electric relaxation of superparamagnetic Gd-doped lead molybdato-tungstates. Ceramics International, 2019, 45, 4437-4447.	4.8	12
46	Influence of synthesis route and grain size on structural and spectroscopic properties of cubic Nd3+-doped Y6MoO12 nano and micro-powders as optical materials. Optical Materials, 2019, 90, 300-314.	3.6	12
47	New cadmium and rare-earth metal molybdatoâ€“tungstates with scheelite-type structure. Journal of Thermal Analysis and Calorimetry, 2010, 101, 417-422.	3.6	11
48	Paramagnetic Behaviour in RE₂W₂O₉ Tungstates (RE = Pr, Nd,) Tj ETQq0 0 0 rgBT /Overlock	0.8	11
49	Dielectric permittivity of some novel copper/cobalt and rare-earth metal tungstates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 184, 14-17.	3.5	11
50	Preparation, thermal stability and magnetic properties of new AgY1â^'xGdx(WO4)2 ceramic materials. Ceramics International, 2015, 41, 5734-5748.	4.8	11
51	New scheelite-type Cd 1â^'3x âŒ· x Gd 2x (MoO 4) 1â^'3x (WO 4) 3x ceramics â€“ their structure, thermal and magnetic properties. Ceramics International, 2016, 42, 6673-6681.	4.8	11
52	New vacancied and Gd3+-doped lead molybdato-tungstates and tungstates prepared via solid state and citrate-nitrate combustion method. Ceramics International, 2017, 43, 7839-7850.	4.8	11
53	Solid-state synthesis and characterization of new cadmium and rare-earth metal molybdato-tungstates Cd0.25RE0.50(MoO4)0.25(WO4)0.75 (RE=Pr, Nd, Smâ€“Dy). Journal of Non-Crystalline Solids, 2010, 356, 2059-2065.	3.1	10
54	Yb3+ rare earth structural probe and correlation between morphology and spectroscopic properties in La2Mo2O9. Comparative analysis with mixed cubic La2MoWO9 translucent ceramics. Journal of the European Ceramic Society, 2018, 38, 3217-3234.	5.7	10

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55	Synthesis and thermal, optical and magnetic properties of new Mn2+-doped and Eu3+-co-doped scheelites. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2219-2231.	3.6	10
56	Synthesis, characterization and thermal behaviour of new copper and rare-earth metal tungstates. Journal of Thermal Analysis and Calorimetry, 2009, 98, 409-421.	3.6	9
57	Yb3+-doped cadmium molybdato-tungstate single crystal â€“ Its structural, optical, magnetic and transport properties. Journal of Solid State Chemistry, 2018, 262, 164-171.	2.9	9
58	Superparamagnetic-Like Behaviour in RE2WO6Tungstates (Where RE = Nd, Sm, Eu, Gd, Dy, Ho and Er). Acta Physica Polonica A, 2011, 119, 708-710.	0.5	9
59	New praseodymium(III) and d-electron metals tungstates of the formula MPr2W2O10 (M=Mn, Co, Cd). Journal of Thermal Analysis and Calorimetry, 2008, 93, 711-715.	3.6	8
60	Re-investigations of thermal decomposition of gadolinium sulfate octahydrate. Journal of Thermal Analysis and Calorimetry, 2010, 102, 875-881.	3.6	8
61	Solid-state synthesis, thermal stability and optical properties of new scheelite-type Pb 1â^'3x âŒ· x Pr 2x WO 4 ceramics where âŒ· denotes cationic vacancies. Materials Letters, 2016, 182, 332-335.	2.6	8
62	Crystal structure, phonon and luminescence properties of AgRE(WO4)2 tungstates, where REâ€¯=â€¯Y, Pr, Nd, Sm - Lu. Journal of Alloys and Compounds, 2018, 745, 779-788.	5.5	8
63	Dielectric and magnetic characteristics of Ca1â^'xMnxMoO4 (0 â‰¤ x â‰¤ 0.15) nanomaterials. Journal of Nanoparticle Research, 2019, 21, 8.	1.9	8
64	Electrical and optical properties of new Pr3+-doped PbWO4 ceramics. Materials Science-Poland, 2018, 36, 530-536.	1.0	7
65	Polymorphism of the Ag8S4O4 and Ag6S3O4 compounds. Journal of Materials Science, 2000, 35, 795-800.	3.7	6
66	Structural, morphological and optical properties of new Eu-doped and vacancied lead molybdato-tungstates. Journal of Rare Earths, 2018, 36, 635-641.	4.8	6
67	Effect of Gd3+ Substitution on Thermoelectric Power Factor of Paramagnetic Co2+-Doped Calcium Molybdato-Tungstates. Materials, 2021, 14, 3692.	2.9	6
68	Synthesis and some properties of Ag8S4O4. Materials Research Bulletin, 2000, 35, 637-645.	5.2	5
69	Study on the reactivity in the solid state between Ag2S and Ag2SO4. Journal of Materials Science Letters, 2002, 21, 547-549.	0.5	5
70	Studies on reactivity in the solid state between some rare-earth metal oxides Ln2O3 where Ln=Y, La, Nd, Sm, Eu, Gd, Dy, Ho, Er, Lu and metal sulfates(VI) MSO4 where M=Ni, Cu, Zn, Cd. Journal of Materials Science, 2006, 41, 1675-1680.	3.7	5
71	Reactivity in the solid-state between ZnWO4 and some rare-earth metal molybdates RE2MoO6 (RE=Y,) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	5
72	Magnetic Properties of CdMoO₄:Dy³⁺ Single Crystal. Solid State Phenomena, 2016, 257, 107-110.	0.3	5

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73	Chapter 17 Research on the Yb3+ Ion Activated Cubic Molybdates and Molybdato-Tungstates for Optical Transparent Ceramics. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 315-354.	0.3	5
74	Fabrication of Y6MoO12 molybdate ceramics: From synthesis of cubic nano-powder to sintering. Ceramics International, 2020, 46, 4619-4633.	4.8	5
75	Melting and thermal decomposition of Î²-Ag6S3O4. Thermochimica Acta, 2000, 346, 161-167.	2.7	4
76	Electrical and Magnetic Properties of CuEu₂W₂O₁₀ and Cu₃Eu₂W₄O₁₈. Solid State Phenomena, 0, 194, 104-107.	0.3	4
77	Electrical investigations of Ag6S3O4 and Ag8S4O4 compounds. Journal of Materials Science Letters, 2000, 19, 541-542.	0.5	3
78	Kinetics of Reactions between Some Compounds from the Three-Component Silver -Oxygen -Sulfur System. Reaction Kinetics and Catalysis Letters, 2000, 70, 53-59.	0.6	3
79	Spin-orbit coupling in manganese doped calcium molybdato-tungstates. Ceramics International, 2018, 44, 3307-3313.	4.8	3
80	Dipole relaxation process and giant dielectric permittivity in Eu3+-doped CdMoO4 single crystal. Journal of Materiomics, 2021, 7, 845-857.	5.7	3
81	Influence of Co Moment on Magnetic Properties of Co₂Sm₂W₃O₁₄ Tungstate. Solid State Phenomena, 0, 170, 1-4.	0.3	2
82	Dielectric Properties of New Cd_{1-3x}Dy_{2x}[]_xMoO₄ Molybdates (where 0 < x â‰ 0.2). Solid State Phenomena, 2016, 257, 103-106.	0.3	2
83	Influence of Pr3+-doping and Mn2+ co-doping on structural and optical properties of calcium molybdato-tungstates. Materials Letters, 2019, 253, 396-400.	2.6	2
84	The first characterization of cubic Nd³⁺-doped mixed La₂MoWO₉ in micro-crystalline powders and translucent micro-ceramics. Journal of Materials Chemistry C, 2022, 10, 10083-10098.	5.5	2
85	A new phase in the Agâ^'Oâ^'S system. Journal of Thermal Analysis, 1995, 43, 319-322.	0.6	1
86	Reactivity in The Solid State Between Ag2S and Ag2CrO4. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 64, 1087-1093.	1.4	1
87	Magneto-Chemical Properties of Some New Ni and Co Rare-Earth Metal Tungstates. Solid State Phenomena, 2007, 128, 207-212.	0.3	1
88	EPR study of RE3+ (RE = Nd, Gd, Dy) doped CdMoO4 single crystal. Materials Chemistry and Physics, 2019, 221, 156-167.	4.0	1
89	Phonon and luminescence properties of defected lead praseodymium tungstate solid solution. Journal of Luminescence, 2022, 243, 118625.	3.1	1
90	Paramagnetism of Cu_3RE_2W_4O_{18} Semiconductors (RE = Gd, Dy-Er). Acta Physica Polonica A, 2013, 124, 885-887.	0.5	0

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91	Nd3+, Eu3+ and Yb3+ Ions as Structural Probes in the Scheelite-Type Cadmium Molybdates with Vacancies. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 343-368.	0.3	0