

Ahlem Kabadou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structural, optical, and electrical properties of Nd-doped Na _{0.5} Bi _{0.5} TiO ₃ . Materials Chemistry and Physics, 2012, 134, 829-833.	4.0	92
2	Structural, Raman and electrical studies of 2at.% Dy-doped NBT. Journal of Alloys and Compounds, 2013, 555, 56-61.	5.5	73
3	Optical properties of tellurite glasses elaborated within the TeO ₂ -TiO ₂ -Ag ₂ O and TeO ₂ -ZnO-Ag ₂ O ternary systems. Journal of Alloys and Compounds, 2013, 561, 151-160.	5.5	49
4	Thermal, optical and structural properties of glasses within the TeO ₂ TiO ₂ ZnO system. Journal of Alloys and Compounds, 2015, 622, 333-340.	5.5	41
5	New relaxor ceramic with composition BaTi _{1-x} (Zn _{1/3} Nb _{2/3}) _x O ₃ . Journal of Alloys and Compounds, 2008, 452, 451-455.	5.5	32
6	The erbium's amphoteric behavior effects on sodium bismuth titanate properties. Ceramics International, 2014, 40, 13461-13469.	4.8	31
7	Improved antioxidant activity and oxidative stability of spray dried European eel (<i>Anguilla anguilla</i>) oil microcapsules: Effect of emulsification process and eel protein isolate concentration. Materials Science and Engineering C, 2019, 104, 109867.	7.3	18
8	New glasses within the TiO ₂ -Ag ₂ O-TeO ₂ system: Thermal characteristics, Raman spectra and structural properties. Materials Research Bulletin, 2010, 45, 1816-1824.	5.2	16
9	Structure of rubidium ammonium hexachlorotellurate [Rb _{0.8} (NH ₄) _{0.2}] ₂ TeCl ₆ at room and low temperatures. Journal of Alloys and Compounds, 2004, 377, 85-90.	5.5	12
10	Synthesis and Crystal Structures of Various Phases of the Microporous Three-Dimensional Coordination Polymer [Zr(OH) ₂ (C ₂ O ₄) ₂] _x . Crystal Growth and Design, 2013, 13, 5100-5106.	3.0	12
11	Structural, Magnetic, Magnetocaloric and Mössbauer Spectrometry Study of Gd ₂ Fe _{17-x} Cu _x (x = 0, 0.5, 1 and 1.5) Compounds. Journal of Electronic Materials, 2019, 48, 2242-2253.	2.2	12
12	Crystal Structure and Dielectric Measurements of Mixed Caesium-Ammonium Mercury Chloride: Cs _{0.7} (NH ₄) _{0.3} HgCl ₃ . Physica Status Solidi (B): Basic Research, 1998, 208, 387-395.	1.5	11
13	Supramolecular architecture based on [Fe(CN) ₆] ³⁻ metallotectons and melaminium synthons. Journal of Molecular Structure, 2017, 1146, 409-416.	3.6	11
14	Dielectric ferroelectric and piezoelectric properties of BaTi _{0.975} (Zn _{1/3} Nb _{2/3}) _{0.025} O ₃ ceramic. Journal of Alloys and Compounds, 2008, 452, 441-445.	5.5	10
15	Crystal structure, magnetic, thermal behavior, and spectroscopic studies of two new bimetallic hydrogenselenites: [Cu _{2-x} Ni _x (HSeO ₃) ₂ Cl ₂ ·4H ₂ O], (x = 0.62; 0.91). Journal of Molecular Structure, 2016, 1118, 259-266.	3.6	10
16	An investigation of the Gd-Fe-Cr phase diagram: Phase equilibria at 800°C. Journal of Alloys and Compounds, 2019, 792, 87-94.	5.5	9
17	Structure and thermal behaviour of Sr-doped (NH ₄) ₂ TeBr ₆ material. Journal of Alloys and Compounds, 2009, 488, L10-L13.	5.5	8
18	Hydrogen-bonded supramolecular architectures based on [Zr(C ₂ O ₄) ₂] ₄ anion and protonated polyamine cations. CrystEngComm, 2017, 19, 1633-1642.	2.6	8

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19	Structural and Mössbauer study of the Brownmillerite oxides $\text{LaSrMn}_{2-x}\text{Fe}_x\text{O}_5$ ($0 \leq x \leq 0.5$). Journal of Alloys and Compounds, 2013, 581, 378-384.	5.5	7
20	Sardinelle protein isolate as a novel material for oil microencapsulation: Novel alternative for fish by-products valorisation. Materials Science and Engineering C, 2020, 116, 111164.	7.3	7
21	Electrical properties of the mixed compound $\text{K}_{2.51}(\text{NH}_4)_{1.49}\text{Hg}_3\text{Cl}_{10} \cdot 2\text{H}_2\text{O}$. Solid State Ionics, 1999, 122, 263-269.	2.7	6
22	DSC, X-Ray diffraction and Raman studies in the compound $\text{K}_{2.51}(\text{NH}_4)_{1.49}\text{Hg}_3\text{Cl}_{10} \cdot 2\text{H}_2\text{O}$. Journal of Alloys and Compounds, 1999, 284, 128-131.	5.5	6
23	X-ray diffraction, Raman study and electrical properties of the new mixed compound $[\text{Rb}_{0.44}(\text{NH}_4)_{0.56}]_2\text{HgCl}_4 \cdot \text{H}_2\text{O}$. Chemical Physics, 2004, 300, 247-251.	1.9	6
24	Crystal structures of two new octochlorotrimercurate(II) $\text{RbNH}_4\text{Hg}_3\text{Cl}_8 \cdot 2\text{H}_2\text{O}$ and $(\text{NH}_4)_2\text{Hg}_3\text{Cl}_8 \cdot 2\text{H}_2\text{O}$. Journal of Alloys and Compounds, 2007, 428, 65-71.	5.5	6
25	LDPE phase composition in LDPE/Cu composites using thermal analysis and FTIR spectroscopy. Journal of Applied Spectroscopy, 2011, 78, 174-182.	0.7	6
26	Structure of New Layered Bimetallic Hydrogenoselenite Copper Selenium. Journal of Chemical Crystallography, 2013, 43, 352-359.	1.1	6
27	Synthesis, spectroscopic, structural and thermal characterizations of $[(\text{C}_7\text{H}_6\text{NO}_4)_2\text{TeBr}_6] \cdot 4\text{H}_2\text{O}$. Journal of Saudi Chemical Society, 2018, 22, 155-164.	5.2	6
28	Structural and vibrational studies of mixed potassium ammonium chloromercurate(II) dihydrates $\text{K}_{2.51}(\text{NH}_4)_{1.49}\text{Hg}_3\text{Cl}_{10} \cdot 2\text{H}_2\text{O}$. Journal of Alloys and Compounds, 1998, 279, 161-165.	5.5	5
29	Rietveld refinement of the gadolinium strontium oxide SrGd_2O_4 . Powder Diffraction, 2003, 18, 288-292.	0.2	5
30	Crystal structure (at $T = 163\text{K}$) and phase transitions of $\text{NH}_4\text{HgI}_3 \cdot \text{H}_2\text{O}$. Journal of Alloys and Compounds, 2005, 386, 107-114.	5.5	5
31	X-ray powder diffraction study of $\text{Sn}_{0.59}\text{Ti}_{0.41}\text{Te}_3\text{O}_8$. Powder Diffraction, 2008, 23, 228-231.	0.2	5
32	Structural, vibrational and dielectric properties of the new Li-doped material $[\text{Li}_{0.08}(\text{NH}_4)_{0.92}]_2\text{TeCl}_4\text{Br}_2$. Journal of Molecular Structure, 2011, 986, 86-91.	3.6	5
33	Effect of the partial substitution of Fe on the magnetic properties of new brownmillerite oxides $\text{LaSrMn}_{2-x}\text{Fe}_x\text{O}_5$ ($0 \leq x \leq 0.5$). Journal of Magnetism and Magnetic Materials, 2014, 361, 44-49.	2.3	5
34	Effect of manganese doping on vibrational and physical properties of ZrTe_3O_8 . Journal of Alloys and Compounds, 2017, 709, 808-818.	5.5	5
35	The 1073 K isothermal section of the Gd-Fe-Cu system. Journal of Alloys and Compounds, 2019, 781, 159-165.	5.5	5
36	The effect of the combined substitution of NH_4^+ and Cl^- on the structure of $[\text{Cs}_{0.8}(\text{NH}_4)_{0.2}]_2\text{TeBr}_5.6\text{Cl}_{0.4}$ powder. Journal of Alloys and Compounds, 2010, 499, L5-L8.	5.5	4

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37	X-ray powder diffraction, spectroscopic study, dielectric properties and thermal analysis of new doped compound $\text{TiGa}_{0.67}\text{Te}_{2.33}\text{O}_8$. <i>Journal of Molecular Structure</i> , 2017, 1133, 422-429.	3.6	4
38	Design of lanthanide metal organic frameworks incorporating dicarboxylate ligands. <i>Journal of Porous Materials</i> , 2019, 26, 1679-1689.	2.6	4
39	Supramolecular and heterometallic architectures based on $[\text{Fe}(\text{CN})_6]^{3-}$ metallotectons and diverse organic cations: Crystal structure, Hirshfeld surface analysis, spectroscopic and thermal properties. <i>Inorganica Chimica Acta</i> , 2019, 486, 36-47.	2.4	4
40	X-ray powder diffraction study of cesium ammonium hexachlorotellurate $[\text{Cs}_{0.86}(\text{NH}_4)_{0.14}]_2\text{TeCl}_6$. <i>Powder Diffraction</i> , 2006, 21, 225-228.	0.2	3
41	Structural investigation of the phase transitions of Tribromo ammonium mercurate (II) monohydrate, $\text{NH}_4\text{HgBr}_3 \cdot \text{H}_2\text{O}$. <i>Journal of Alloys and Compounds</i> , 2008, 463, 100-106.	5.5	3
42	Hydrothermal Synthesis and Structure of $\text{Fe}_{0.36}\text{Mn}_{0.64}(\text{PO}_3(\text{OH}))_4(\text{PO}_4)_2$. <i>Journal of Chemical Crystallography</i> , 2010, 40, 1125-1128.	1.1	3
43	Structure and Characterization of the $[\text{Rb}_x(\text{NH}_4)_{1-x}]_2\text{TeCl}_6$ Tellurate Family at Room Temperature. <i>Journal of Structural Chemistry</i> , 2010, 51, 689-695.	1.0	3
44	Structural, thermal behaviour and vibrational study of a new mixed cesium ammonium tellurate. <i>Journal of Chemical Sciences</i> , 2012, 124, 403-410.	1.5	3
45	A polymeric zirconium (IV) oxalate complex $\text{K}_2[\text{Zr}(\text{C}_2\text{O}_4)_2(\frac{1}{4}\text{C}_2\text{O}_4)] \cdot 2\text{H}_2\text{O}$: Structural elucidation, stereo-chemical and Hirshfeld surface analysis. <i>Inorganic Chemistry Communication</i> , 2015, 60, 97-102.	3.9	3
46	Structural and magnetic properties of the new brownmillerite oxides $\text{La}_{1-x}\text{Na}_x\text{SrMn}_2\text{O}_5$ (0.1 ≤ x ≤ 0.3). <i>Materials Chemistry and Physics</i> , 2015, 166, 49-56.	4.0	3
47	Crystal structure and Hirshfeld surface analysis of $[\text{N}(\text{CH}_3)_4][2,2\text{-Fe}(1,7\text{-closo-C}_2\text{B}_9\text{H}_{11})_2]$. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 74-80.	1.8	3
48	Effect of erbium doping on vibrational and optical properties of TiTe_3O_8 . <i>Journal of Alloys and Compounds</i> , 2019, 791, 1088-1097.	5.5	3
49	Super-protonic phase transition and fast ionic conductivity of Li^+ in $[\text{Li}_{0.2}(\text{NH}_4)_{0.8}]_2\text{TeCl}_6$. <i>Solid State Ionics</i> , 2006, 177, 89-93.	2.7	2
50	Hydrothermal Synthesis and Structure of the Solid Solution $(\text{Fe}_{0.54}\text{Mn}_{0.46})(\text{PO}_4)_{x-1} \cdot 2\text{H}_2\text{O}$. <i>Journal of Chemical Crystallography</i> , 2011, 41, 370-374.	1.1	2
51	Synthesis and Crystal Structure of a New Mixed Alkali Oxalate $\text{A}_{1-x}(\text{NH}_4)_x(\text{H}_2\text{C}_2\text{O}_4)(\text{HC}_2\text{O}_4)(\text{H}_2\text{O})_2$ with $\text{A} = \text{K}, \text{Rb}$. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1742-1750.	1.1	2
52	Crystal Growth and Structural Characterization of a Thiocyanato-Bridged Copper(I/II) Mixed-Valence Coordination Polymer. <i>Crystallography Reports</i> , 2017, 62, 1152-1156.	0.6	2
53	Mild hydrothermal synthesis of the two compounds $[\text{SrZn}_2(\text{SeO}_3)_3]$ and $[\text{SrZn}_{0.68}\text{Cu}_{0.32}(\text{SeO}_3)_2]$: Structural characterization, spectroscopic and magnetic studies. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 887-895.	5.2	2
54	Effect of erbium doping on structural, vibrational and physical properties of CuTe_2O_5 . <i>Journal of Alloys and Compounds</i> , 2019, 792, 297-307.	5.5	2

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55	New perovskite Ba _{0.7} La _{0.3} Ti _{0.55} Fe _{0.45} O _{3-δ} prepared by citric sol-gel method: From structure to physical properties. <i>Journal of Molecular Structure</i> , 2020, 1217, 128347.	3.6	2
56	Structural Analysis of the Phase Transitions of (NH ₄) ₄ HgBr ₆ . <i>Journal of Chemical Crystallography</i> , 2008, 38, 85-91.	1.1	1
57	Modulation of Relaxor Behaviour by Chemical Substitution in the System Ba _{1-x} CaxTi _{1-y} (Zn _{1/3} Nb _{2/3}) _y O ₃ . <i>Ferroelectrics</i> , 2008, 371, 82-88.	0.6	1
58	X-ray powder diffraction and dielectric study of BaTi _{1-x} (Zn _{1/3} Nb _{2/3}) _x O ₃ ($x=0.025$ and 0.9). <i>Powder Diffraction</i> , 2008, 23, 241-245.	0.2	1
59	Crystal structure and dynamical properties of a new tellurite: AgTlTeO ₃ . <i>Materials Research Bulletin</i> , 2010, 45, 1883-1888.	5.2	1
60	X-ray powder diffraction, vibration and thermal studies of [A _{0.92} (NH ₄) _{0.08}] ₂ TeCl ₄ Br ₂ with A=Cs, Rb: Influence of mixed cationic and anionic substitutions. <i>Materials Research Bulletin</i> , 2012, 47, 1197-1203.	5.2	1
61	Crystal structure, phase transitions and dielectric properties of a new layered bimetallic hydrogenselenite: [CuZnCl ₂ (H ₂ O) ₄] ₂ ·(HSeO ₃) ₂ . <i>Journal of Alloys and Compounds</i> , 2018, 740, 980-986.	5.5	1
62	Growth, crystal structure, Hirshfeld surface, dielectric and vibrational properties of a new inorganic-organic single crystal: (C ₅ H ₆ N ₂ Cl) ₂ TeCl ₆ . <i>Superlattices and Microstructures</i> , 2018, 122, 93-110.	3.1	1
63	Crystal structure and phase transitions in R ₂ TeO ₆ (R = La, Pr, Nd, Tb, Ho, Er, Tm, Lu) oxides: A neutron diffraction study. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4407-4413.	4.9	1
64	Crystal structure, spectroscopic, magnetic and dielectric studies of new doped ceramic ZrTe ₃ O ₈ :7%CuO. <i>Journal of Alloys and Compounds</i> , 2020, 825, 153974.	5.5	1
65	Structural, spectroscopic, luminescence and magnetic properties of a novel far-red emitting phosphor Er, Mn doped ZrTe ₃ O ₈ . <i>Inorganic Chemistry Communication</i> , 2022, 140, 109429.	3.9	1
66	Investigation of ammonium substitution in the perovskite-like structure Rb _{0.79} (NH ₄) _{0.21} CdCl ₃ . <i>Journal of Molecular Structure</i> , 2010, 977, 210-213.	3.6	0
67	Crystal structure at (T=295 and 173K) of[(NH ₄) _{0.63} Li _{0.37}] ₂ TeBr ₆ . <i>Arabian Journal of Chemistry</i> , 2014, 7, 177-180.	4.9	0
68	Synthesis, crystal structure determination, thermal and magnetic properties of the new Cu _{0.73} Ni _{0.27} (HSeO ₃) ₂ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 315-321.	2.3	0