

Abdulaziz Abualfadl

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of x-irradiation on indentation size effect and formation of cracks for $[\text{Ky}(\text{NH}_4)_{1-y}]_2\text{ZnCl}_4$ mixed crystals. <i>Crystal Research and Technology</i> , 2007, 42, 364-377.	1.3	44
2	Effect of Doping and Irradiation on Optical Parameters of Triglycine Sulphate Single Crystals. <i>Crystal Research and Technology</i> , 1999, 34, 915-923.	1.3	34
3	Influence of $\hat{1}^3$ -radiation on the optical parameters of $\text{Ag}_{10}\text{Te}_{90}$ thin films. <i>Radiation Physics and Chemistry</i> , 2007, 76, 61-66.	2.8	32
4	Optical properties and surface morphology of Li-doped ZnO thin films deposited on different substrates by DC magnetron sputtering method. <i>Physica B: Condensed Matter</i> , 2001, 308-310, 949-953.	2.7	31
5	Influence of gamma radiation on the absorption spectra and optical energy gap of Li-doped ZnO thin films. <i>Crystal Research and Technology</i> , 2004, 39, 143-150.	1.3	29
6	Optical absorption spectra and related parameters of ammonium zinc chloride crystal in the antiferroelectric and commensurate phases. <i>Crystal Research and Technology</i> , 2003, 38, 798-810.	1.3	17
7	Growth, structural, and spectral characterizations of potassium and ammonium zinc sulfate hydrate single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	17
8	Temperature dependence of the indirect band gap, steepness parameter and related optical constants of $[\text{Kx}(\text{NH}_4)_{1-x}]_2\text{ZnCl}_4$ mixed crystals. <i>Optics and Laser Technology</i> , 2007, 39, 1310-1318.	4.6	16
9	Optical properties of pure and metal ions doped ammonium sulfate single crystals. <i>Crystal Research and Technology</i> , 2006, 41, 487-493.	1.3	15
10	Characterization of spinel-type $\text{Cd}_{1-x}\text{Co}_x\text{Cr}_2\text{O}_4$ nanocrystals by a microwave-combustion synthesis. <i>Materials Research Express</i> , 2019, 6, 1150a7.	1.6	10
11	Structural and spectroscopic studies of nanocrystalline $\text{Ni}_{1-x}\text{Mg}_x\text{Fe}_2\text{O}_4$ ferrites synthesized by a microwave-assisted combustion route. <i>Physica Scripta</i> , 2020, 95, 055813.	2.5	9
12	The Specific Heat of Pure and Doped Triglycine Sulphate Single Crystals. <i>Physica Status Solidi A</i> , 1987, 103, 459-466.	1.7	7
13	Fabrication and analysis of the structural phase transition of ZrO_2 nanoparticles using modified facile sol-gel route. <i>Phase Transitions</i> , 2019, 92, 36-51.	1.3	7
14	Critical Behaviour of Dielectric Permittivity and Spontaneous Polarization of Triglycine Sulphate Single Crystals Doped with Organic Molecules. <i>Journal of the Physical Society of Japan</i> , 1989, 58, 3392-3400.	1.6	6
15	Temperature Dependence of the Absorption Spectra and Optical Parameters in TGS and Cu^{2+} -Doped TGS Crystals. <i>Crystal Research and Technology</i> , 1999, 34, 1047-1054.	1.3	6
16	Gamma-ray irradiation effects on the optical properties of KHSeO_4 single crystals. <i>Radiation Effects and Defects in Solids</i> , 2015, 170, 863-875.	1.2	6
17	Dielectric constant, loss factor and ac conductivity of Ni^{2+} -doped K_2ZnCl_4 crystals in the ferroelectric-commensurate, incommensurate and normal phases. <i>Crystal Research and Technology</i> , 2006, 41, 1120-1130.	1.3	5
18	Doping-induced-effects on conduction mechanisms in incommensurate ammonium zinc chloride crystals. <i>Crystal Research and Technology</i> , 2007, 42, 569-577.	1.3	5

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19	Electron irradiation-induced effects on optical spectra of (NH ₄) ₂ ZnCl ₄ : x Sr ²⁺ single crystals. Crystal Research and Technology, 2003, 38, 83-93.	1.3	4
20	The non-isotropic character of electric and dielectric properties of ammonium zinc chloride crystal. Journal of Physics and Chemistry of Solids, 2004, 65, 957-964.	4.0	4
21	Growth and characterization of undoped, Sr ²⁺ , and Mn ²⁺ -doped ammonium tetrachlorozincate. Crystal Research and Technology, 2005, 40, 204-211.	1.3	4
22	Influence of cationic substitution on lattice constants and optical characterization in solution grown mixed crystals of potassium- ammonium zinc chloride. Crystal Research and Technology, 2006, 41, 1013-1019.	1.3	4
23	Crystal growth and spectroscopic studies of new ammonium potassium zinc sulfate hexahydrate single crystal. Vibrational Spectroscopy, 2019, 104, 102942.	2.2	4
24	Study on some linear and nonlinear optical parameters of glycine hydrofluoride single crystals. Materials Science-Poland, 2018, 36, 685-696.	1.0	4
25	Optical investigations on the existence of phase transition in ZnO:Li thin films prepared by DC sputtering method. Crystal Research and Technology, 2008, 43, 302-307.	1.3	3
26	Optical investigation of thermally evaporated Cu ₅ Ge _x Te _{95-x} thin films. Materials Research Innovations, 2018, 22, 69-78.	2.3	3
27	Enhanced physical properties of potassium zinc sulphate hydrate single crystal following iodide doping. Materials Research Express, 2018, 5, 066207.	1.6	3
28	Electrical properties of K ₂ ZnCl ₄ crystals pure and doped with Co ²⁺ ions between 300 and 500 ÅK. EPJ Applied Physics, 1999, 6, 257-262.	0.7	2
29	Effect of gamma irradiation and heat treatment on the optical properties of SbNbO ₄ ferroelectric thin films. Radiation Effects and Defects in Solids, 2001, 154, 165-178.	1.2	2
30	Effects induced by γ -irradiation on intraband transitions in Sr ²⁺ -doped ammonium zinc chloride crystals. Radiation Effects and Defects in Solids, 2003, 158, 743-755.	1.2	1
31	Mn ²⁺ -Doping Effects on Commensuration and Incommensuration of Ammonium Zinc Chloride Crystal. Ferroelectrics, 2004, 313, 113-128.	0.6	1
32	Mechanical characteristics of solution grown potassium zinc chloride crystals doped with lithium ions. Current Applied Physics, 2008, 8, 167-176.	2.4	1
33	Temperature dependence of the optical parameters for potassium zinc chloride crystals doped with lithium ions. Optical Materials, 2008, 30, 1576-1582.	3.6	1
34	Influence of nickel substitutions on the structural, optical and spectroscopic properties of potassium zinc chloride sulfate single crystals. Journal of Taibah University for Science, 2018, 12, 826-836.	2.5	1
35	Effect of Doping and Irradiation on Optical Parameters of Triglycine Sulphate Single Crystals. Crystal Research and Technology, 1999, 34, 915-923.	1.3	1
36	Electrical resistivity of single-crystal lithium ammonium sulphate between 300 and 500 K. Journal of Materials Science, 1995, 30, 6205-6208.	3.7	0

#	ARTICLE	IF	CITATIONS
37	Temperature dependence of the indirect band gap and related optical parameters of (NH ₄) ₂ ZnCl ₄ :xSr ²⁺ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 240, 246-254.	1.5	0
38	⁶⁰ Co-Irradiation effects on the thermal decomposition behaviour and IR absorption spectra of piperacillin. <i>Radiation Effects and Defects in Solids</i> , 2003, 158, 827-832.	1.2	0
39	Effects induced by chemical non-stoichiometry and ⁶⁰ Co-irradiation on the habit and unit cell parameters of ammonium tetrachlorozincate. <i>Crystal Research and Technology</i> , 2006, 41, 379-387.	1.3	0
40	Optical parameters and dispersion behavior of potassium magnesium chloride sulfate single crystals doped with Co ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 367-374.	3.9	0
41	Stabilization of tetragonal phase of nanostructured Fe _x /ZrO ₂ system (0 ≤ x ≤ 0.25) prepared by modified sol-gel method. <i>Physica Scripta</i> , 2022, 97, 025706.	2.5	0