

Abdulaziz Abualfadl

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stabilization of tetragonal phase of nanostructured Fe _x /ZrO ₂ system (0 ≤ x ≤ 25) prepared by modified sol-gel method. <i>Physica Scripta</i> , 2022, 97, 025706.	2.5	0
2	Structural and spectroscopic studies of nanocrystalline Ni _{1-x} Mg _x Fe ₂ O ₄ ferrites synthesized by a microwave-assisted combustion route. <i>Physica Scripta</i> , 2020, 95, 055813.	2.5	9
3	Crystal growth and spectroscopic studies of new ammonium potassium zinc sulfate hexahydrate single crystal. <i>Vibrational Spectroscopy</i> , 2019, 104, 102942.	2.2	4
4	Characterization of spinel-type Cd _{1-x} Co _x Cr ₂ O ₄ nanocrystals by a microwave-combustion synthesis. <i>Materials Research Express</i> , 2019, 6, 1150a7.	1.6	10
5	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
6	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
7	Optical investigation of thermally evaporated Cu ₅ Ge _x Te _{95-x} thin films. <i>Materials Research Innovations</i> , 2018, 22, 69-78.	2.3	3
8	Influence of nickel substitutions on the structural, optical and spectroscopic properties of potassium zinc chloride sulfate single crystals. <i>Journal of Taibah University for Science</i> , 2018, 12, 826-836.	2.5	1
9	Enhanced physical properties of potassium zinc sulphate hydrate single crystal following iodide doping. <i>Materials Research Express</i> , 2018, 5, 066207.	1.6	3
10	Study on some linear and nonlinear optical parameters of glycine hydrofluoride single crystals. <i>Materials Science-Poland</i> , 2018, 36, 685-696.	1.0	4
11	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
12	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
13	Optical investigations on the existence of phase transition in ZnO:Li thin films prepared by DC sputtering method. <i>Crystal Research and Technology</i> , 2008, 43, 302-307.	1.3	3
14	Mechanical characteristics of solution grown potassium zinc chloride crystals doped with lithium ions. <i>Current Applied Physics</i> , 2008, 8, 167-176.	2.4	1
15	Temperature dependence of the optical parameters for potassium zinc chloride crystals doped with lithium ions. <i>Optical Materials</i> , 2008, 30, 1576-1582.	3.6	1
16	Influence of x-irradiation on indentation size effect and formation of cracks for [Ky(NH ₄) _{1-y}] ₂ ZnCl ₄ mixed crystals. <i>Crystal Research and Technology</i> , 2007, 42, 364-377.	1.3	44
17	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
18	Temperature dependence of the indirect band gap, steepness parameter and related optical constants of [K _x (NH ₄) _{1-x}] ₂ ZnCl ₄ mixed crystals. <i>Optics and Laser Technology</i> , 2007, 39, 1310-1318.	4.6	16

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19	Influence of $\hat{\Gamma}^3$ -radiation on the optical parameters of Ag ₁₀ Te ₉₀ thin films. Radiation Physics and Chemistry, 2007, 76, 61-66.	2.8	32
20	Effects induced by chemical non-stoichiometry and $\hat{\Gamma}^3$ -irradiation on the habit and unit cell parameters of ammonium tetrachlorozincate. Crystal Research and Technology, 2006, 41, 379-387.	1.3	0
21	Optical properties of pure and metal ions doped ammonium sulfate single crystals. Crystal Research and Technology, 2006, 41, 487-493.	1.3	15
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	Dielectric constant, loss factor and ac conductivity of Ni ²⁺ -doped K ₂ ZnCl ₄ crystals in the ferroelectric-commensurate, incommensurate and normal phases. Crystal Research and Technology, 2006, 41, 1120-1130.	1.3	5
24	Growth and characterization of undoped, Sr ²⁺ , and Mn ²⁺ -doped ammonium tetrachlorozincate. Crystal Research and Technology, 2005, 40, 204-211.	1.3	4
25	Mn ²⁺ -Doping Effects on Commensuration and Incommensuration of Ammonium Zinc Chloride Crystal. Ferroelectrics, 2004, 313, 113-128.	0.6	1
26	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
27	Influence of gamma radiation on the absorption spectra and optical energy gap of Li-doped ZnO thin films. Crystal Research and Technology, 2004, 39, 143-150.	1.3	29
28	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
29	Optical absorption spectra and related parameters of ammonium zinc chloride crystal in the antiferroelectric and commensurate phases. Crystal Research and Technology, 2003, 38, 798-810.	1.3	17
30	Temperature dependence of the indirect band gap and related optical parameters of (NH ₄) ₂ ZnCl ₄ :xSr ₂ + single crystals. Physica Status Solidi (B): Basic Research, 2003, 240, 246-254.	1.5	0
31	$\hat{\Gamma}^3$ -Irradiation effects on the thermal decomposition behaviour and IR absorption spectra of piperacillin. Radiation Effects and Defects in Solids, 2003, 158, 827-832.	1.2	0
32	Effects induced by $\hat{\Gamma}^3$ -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
33	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
34	Optical properties and surface morphology of Li-doped ZnO thin films deposited on different substrates by DC magnetron sputtering method. Physica B: Condensed Matter, 2001, 308-310, 949-953.	2.7	31
35	Effect of Doping and Irradiation on Optical Parameters of Triglycine Sulphate Single Crystals. Crystal Research and Technology, 1999, 34, 915-923.	1.3	34
36	Temperature Dependence of the Absorption Spectra and Optical Parameters in TGS and Cu ²⁺ -Doped TGS Crystals. Crystal Research and Technology, 1999, 34, 1047-1054.	1.3	6

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37	Electrical properties of K_2ZnCl_4 crystals pure and doped with Co^{2+} ions between 300 and 500 ÅK. EPJ Applied Physics, 1999, 6, 257-262.	0.7	2
38	Effect of Doping and Irradiation on Optical Parameters of Triglycine Sulphate Single Crystals. Crystal Research and Technology, 1999, 34, 915-923.	1.3	1
39	Electrical resistivity of single-crystal lithium ammonium sulphate between 300 and 500 K. Journal of Materials Science, 1995, 30, 6205-6208.	3.7	0
40	Critical Behaviour of Dielectric Permittivity and Spontaneous Polarization of Triglycine Sulphate Single Crystals Doped with Organic Molecules. Journal of the Physical Society of Japan, 1989, 58, 3392-3400.	1.6	6
41	The Specific Heat of Pure and Doped Triglycine Sulphate Single Crystals. Physica Status Solidi A, 1987, 103, 459-466.	1.7	7