

Seham K Abdel-Aal

List of Publications by Year in descending order

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papers

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docs citations

21
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene influence on the structure, magnetic, and optical properties of rare-earth perovskite. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	78
2	Effect of organic chain length on structure, electronic composition, lattice potential energy, and optical properties of 2D hybrid perovskites $[(\text{NH}_3)(\text{CH}_2)_n(\text{NH}_3)]\text{CuCl}_4$, $n=2-9$. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	49
3	Structure Investigation by Neutron Diffraction and X-Ray Diffraction of Graphene Nanocomposite CuO/rGO Prepared by Low-Cost Method. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100138.	0.8	49
4	Synthesis, structure, lattice energy and enthalpy of 2D hybrid perovskite $[\text{NH}_3(\text{CH}_2)_4\text{NH}_3]\text{CoCl}_4$, compared to $[\text{NH}_3(\text{CH}_2)_n\text{NH}_3]\text{CoCl}_4$, $n=3-9$. Journal of Crystal Growth, 2017, 457, 282-288.	0.7	47
5	Fascinating Physical Properties of 2D Hybrid Perovskite $[(\text{NH}_3)(\text{CH}_2)_7(\text{NH}_3)]\text{CuCl}_x\text{Br}_{4-x}$, $x=0, 2$ and 4 . Journal of Electronic Materials, 2019, 48, 1686-1693.	1.0	45
6	Crystal structure, vibrational spectroscopy and optical properties of a one-dimensional organic-inorganic hybrid perovskite of $[(\text{NH}_3)_3\text{CH}_2\text{CH}(\text{NH}_3)_2\text{CH}_2]\text{BiCl}_5$. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 880-886.	0.5	43
7	Synthesis, Characterization, and Optical Properties of New Organic-Inorganic Hybrid Perovskites $[(\text{NH}_3)_3\text{CH}_2\text{CH}(\text{NH}_3)_2\text{CH}_2]\text{CuCl}_4$ and $[(\text{NH}_3)_3\text{CH}_2\text{CH}(\text{NH}_3)_2\text{CH}_2]\text{CuCl}_2\text{Br}_2$. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100036.	0.8	35
8	Facile Synthesis of $\text{Mn}_3\text{O}_4/\text{rGO}$ Nanocomposite As an Efficient Electrode Material for Application in Supercapacitors. Journal of Electronic Materials, 2019, 48, 4977-4986.	1.0	27
9	Simple synthesis of graphene nanocomposites MgO/rGO and $\text{Fe}_2\text{O}_3/\text{rGO}$ for multifunctional applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	23
10	Discontinuous transition from insulator to semiconductor induced by phase change of the new organic-inorganic hybrid $[(\text{CH}_2)_7(\text{NH}_3)_2]\text{CoBr}_4$. Materials Chemistry and Physics, 2017, 199, 454-463.	2.0	22
11	Catalytic Activity of Crystallographically Characterized Organic-Inorganic Hybrid Containing 1,5-Di-amino-pentane Tetrachloro Manganate with Perovskite Type Structure. Catalysis Letters, 2017, 147, 2332-2339.	1.4	21
12	Crystal structure, thermal, electric and magnetic study of $[(\text{CH}_2)_7(\text{NH}_3)_2]\text{CoCl}_2\text{Br}_2$. Indian Journal of Physics, 2014, 88, 49-57.	0.9	20
13	Structure, thermal, and impedance study of a new organic-inorganic hybrid $[(\text{CH}_2)_7(\text{NH}_3)_2]\text{CoCl}_4$. Journal of Physics and Chemistry of Solids, 2018, 118, 6-13.	1.9	20
14	Magnetic and optical properties of perovskite-graphene nanocomposites $\text{LaFeO}_3/\text{rGO}$: Experimental and DFT calculations. Chemical Physics, 2020, 538, 110874.	0.9	19
15	Synthesis, characterization, thermal, and electrical properties of new diammonium hybrid perovskite $[\text{NH}_3-(\text{CH}_2)_7-\text{NH}_3]\text{CaCl}_2\text{Br}_2$. Solid State Ionics, 2017, 303, 29-36.	1.3	16
16	Crystal structure, phase transition and conductivity study of two new organic-inorganic hybrids: $[(\text{CH}_2)_7(\text{NH}_3)_2]\text{X}_2$, $\text{X}=\text{Cl}/\text{Br}$. Journal of Molecular Structure, 2017, 1127, 59-73.	1.8	15
17	Crystal structure, Hirshfeld surfaces and vibrational studies of tetrachlorocobaltate hybrid perovskite salts $\text{NH}_3(\text{CH}_2)_n\text{NH}_3\text{CoCl}_4$ ($n=4, 9$). Journal of Molecular Structure, 2022, 1251, 131997.	1.8	13
18	Facile synthesis of nanostructured ZnO/rGO based graphene and its application in wastewater treatment. Journal of Materials Science: Materials in Electronics, 2021, 32, 19667-19675.	1.1	8

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19	Crystal structures, hirshfeld surfaces analysis, Infrared and Raman studies of organic-inorganic hybrid perovskite salts $\text{NH}_3(\text{CH}_2)_n\text{NH}_3\text{MnCl}_4$ ($n = 5, 6$). Journal of Solid State Chemistry, 2022, 314, 123401.	1.4	7
20	Synthesis and characterization of nonstoichiometric potassium/magnesium nanoferrites for multifunctional applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 1489-1496.	1.1	3