

Tarek Larbi

List of Publications by Year in descending order

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31
papers

621
citations

567281

15
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580821

25
g-index

32
all docs

32
docs citations

32
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, crystal structure and photocatalytic activity of a new $\text{NaLi}_{1.07}\text{Co}_{2.94}(\text{MoO}_4)_5$ nanoparticles for real tannery wastewater treatment. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122838.	2.9	7
2	Enhancement of photocatalytic degradation of MB by recyclable $\text{Li}/\text{Mn}_3\text{O}_4$ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10963-10976.	2.2	2
3	Unraveling the effect of thickness on the structural, morphological, opto-thermal and DFT calculation of hematite Fe_2O_3 thin films for photo-catalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17974-17989.	2.2	1
4	Assessing the structural stability and vibration properties in beryllium selenide from the (3D) bulk, the (0D) molecule, the (2D) monolayer to the (1D) single walled nanotubes through ab initio simulations. <i>Surfaces and Interfaces</i> , 2021, 24, 101087.	3.0	4
5	Efficient ab initio quantum mechanical simulations of structural stability and vibrational properties of bulk, monolayer and ($n,0$) nanotubes: Yttrium sesquioxide Y_2O_3 . <i>Journal of Raman Spectroscopy</i> , 2020, 51, 232-242.	2.5	10
6	Photocatalytic efficiency of $\text{Na}_4\text{Co}(\text{MoO}_4)_3$ for the degradation of industrial azo dye under solar irradiation. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108113.	3.9	8
7	Photocatalytic degradation and photo-generated hydrophilicity of Methylene Blue over $\text{ZnO}/\text{ZnCr}_2\text{O}_4$ nanocomposite under stimulated UV light irradiation. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107889.	3.9	38
8	Physical investigations and DFT model calculation on Zn_2SnO_4 - ZnO (ZTO-ZO) alloy thin films for wettability and photocatalysis purposes. <i>Optik</i> , 2019, 187, 49-64.	2.9	10
9	Temperature dependence of Raman spectra and first principles study of NiMn_2O_4 magnetic spinel oxide thin films. Application in efficient photocatalytic removal of RhB and MB dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 117-124.	3.9	39
10	Highly efficient $\text{K}_{0.4}\text{Na}_{3.6}\text{Co}(\text{MoO}_4)_3$ new alluaudite type structure for photocatalytic degradation of methylene blue and green diamine B dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9642-9651.	2.2	6
11	Investigation of the physical properties of $\text{K}_2\text{Co}_2(\text{MoO}_4)_3$ for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18372-18379.	2.2	13
12	Structural stability and vibrational analysis of beryllium sulfide BeS from the bulk to the ($n,0$) nanotubes. An ab initio description. <i>Vibrational Spectroscopy</i> , 2018, 97, 24-32.	2.2	9
13	Enhanced photocatalytic degradation of methylene blue dye under UV-sunlight irradiation by cesium doped chromium oxide thin films. <i>Materials Research Bulletin</i> , 2017, 95, 152-162.	5.2	37
14	Structural, optical and vibrational properties of Cr_2O_3 with ferromagnetic and antiferromagnetic order: A combined experimental and density functional theory study. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 16-22.	2.3	29
15	Density functional theory study of ferromagnetically and ferrimagnetically ordered spinel oxide Mn_3O_4 . A quantum mechanical simulation of their IR and Raman spectra. <i>Journal of Alloys and Compounds</i> , 2016, 688, 692-698.	5.5	39
16	Structural, dielectric and a.c. conductivity study of Sb_2O_3 thin film obtained by thermal oxidation of Sb_2S_3 . <i>Bulletin of Materials Science</i> , 2016, 39, 1801-1808.	1.7	12
17	Ethanol sensing properties and photocatalytic degradation of methylene blue by Mn_3O_4 , NiMn_2O_4 and alloys of Ni-manganates thin films. <i>Journal of Alloys and Compounds</i> , 2016, 686, 168-175.	5.5	45
18	Microstructural, optical and ethanol sensing properties of sprayed Li-doped Mn_3O_4 thin films. <i>Materials Research Bulletin</i> , 2016, 75, 217-223.	5.2	34

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19	Pure and zirconium-doped manganese(II,III) oxide: Investigations on structural and conduction-related properties within the Lattice Compatibility Theory scope. Materials Science in Semiconductor Processing, 2015, 40, 224-229.	4.0	4
20	Physical investigations on NiMn ₂ O ₄ sprayed magnetic spinel for sensitivity applications. Journal of Magnetism and Magnetic Materials, 2015, 387, 139-146.	2.3	29
21	Preparation and characterization of the rod-shaped stibnite. Materials Research Bulletin, 2015, 67, 191-195.	5.2	3
22	A study of optothermal and AC impedance properties of Cr-doped Mn ₃ O ₄ sprayed thin films. Materials Research Bulletin, 2015, 70, 254-262.	5.2	25
23	AC conductivity, dielectric relaxation and modulus behavior of Sb ₂ S ₂ O new kermesite alloy for optoelectronic applications. Materials Science in Semiconductor Processing, 2015, 40, 596-601.	4.0	24
24	Nickel content effect on the microstructural, optical and electrical properties of p-type Mn ₃ O ₄ sprayed thin films. Journal of Alloys and Compounds, 2015, 626, 93-101.	5.5	43
25	Thermoluminescence properties of hausmannite Mn ₃ O ₄ thin films induced by UV light. Journal of Physics: Conference Series, 2014, 558, 012034.	0.4	2
26	Electrical measurements of dielectric properties of molybdenum-doped zinc oxide thin films. Materials Science in Semiconductor Processing, 2014, 22, 50-58.	4.0	30
27	Investigation of structural, optical, electrical and dielectric properties of catalytic sprayed hausmannite thin film. Materials Research Bulletin, 2014, 60, 457-466.	5.2	31
28	Lattice Compatibility Theory LCT investigations on physical and optical constants of antimony processed antimonite nano-films. Current Applied Physics, 2014, 14, 1078-1082.	2.4	7
29	Optical and structural investigations on Sb ₂ S ₂ O new kermesite alloy for optoelectronic applications. Journal of Alloys and Compounds, 2013, 579, 198-204.	5.5	17
30	Investigation of electrical and dielectric properties of antimony oxide (Sb ₂ O ₄) semiconductor thin films for TCO and optoelectronic applications. Journal of Non-Crystalline Solids, 2013, 367, 1-7.	3.1	53
31	Theoretical spectroscopy and metastability of BeS and its cation. Chemical Physics, 2010, 373, 193-202.	1.9	10