

Tahani A Alrebdi

List of Publications by Year in descending order

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papers

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1307594

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docs citations

23
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citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles investigations of Ba ₂ NalO ₆ double Perovskite semiconductor: Material for low-cost energy technologies. <i>Materials Chemistry and Physics</i> , 2022, 275, 125237.	4.0	42
2	Electric field tunable electronic properties of P-ZnO and SiC-ZnO van der Waals heterostructures. <i>Computational Materials Science</i> , 2019, 164, 166-170.	3.0	27
3	Physical properties of half-metallic AMnO ₃ (A = Mg, Ca) oxides via ab initio calculations. <i>Computational Materials Science</i> , 2018, 146, 248-254.	3.0	23
4	Structural, linear and nonlinear optical properties of NiO nanoparticles@multi-walled carbon nanotubes nanocomposite for optoelectronic applications. <i>Radiation Physics and Chemistry</i> , 2022, 195, 110088.	2.8	14
5	Investigations of optoelectronic properties of novel ZnO monolayers: A first-principles study. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 265, 115043.	3.5	10
6	First-principles study of metal-semiconductor contact between MX ₂ (M = Nb, Pt; X = S, Se) monolayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125867.	2.1	8
7	Quantification of Aluminum Gallium Arsenide (AlGaAs) Wafer Plasma Using Calibration-Free Laser-Induced Breakdown Spectroscopy (CF-LIBS). <i>Molecules</i> , 2022, 27, 3754.	3.8	8
8	Removal of Ni(II) Ions by Poly(Vinyl Alcohol)/Al ₂ O ₃ Nanocomposite Film via Laser Ablation in Liquid. <i>Membranes</i> , 2022, 12, 660.	3.0	8
9	Optoelectronic and photocatalytic applications of hBN@XMY (M = Mo, W; (X & Y) = S, Se, Te) van der Waals heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23028-23037.	2.8	7
10	Van der Waals heterostructure of Janus transition metal dichalcogenides monolayers (WSSe-WX ₂)	1.9	7
11	Structural and diffuse reflectance investigation of dysprosium-doped TiO ₂ nanopowder synthesized by sonochemical hydrolysis technique. <i>Physica B: Condensed Matter</i> , 2021, 603, 412664.	2.7	6
12	Revisiting the Electronic Structures and Phonon Properties of Thermoelectric Antimonide-Tellurides: Spin-Orbit Coupling Induced Gap Opening in ZrSbTe and HfSbTe. <i>Crystals</i> , 2021, 11, 917.	2.2	6
13	Physical Properties Investigations of Ternary-Layered Carbides M ₂ PbC (M = Ti, Zr and Hf): First-Principles Calculations. <i>Crystals</i> , 2021, 11, 1445.	2.2	6
14	Optimization and Wear Properties for the Composites of Metal Matrix AA8011/Boron Nitride Using Taguchi Method. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-10.	2.7	5
15	First principles probes of electronic and optical behaviours of zinc doped cuprous oxide for catalysis applications. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109867.	4.0	4
16	Rb and Cs doping effects in sodium borohydride: Density functional theory for hydrogen (H ₂) storage purpose. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2405-2412.	7.1	4
17	Modeling of Advanced Silicon Nanomaterial Synthesis Approach: From Reactive Thermal Plasma Jet to Nanosized Particles. <i>Nanomaterials</i> , 2022, 12, 1763.	4.1	4
18	Van der Waal heterostructure of hBAs and XMY (M = Mo, W; (X & Y) = S, Se, Te)	1.9	2

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19	In-situ formation of Are-MXY(M = Mo, W; (X $\hat{\text{a}}$ % Y) = S, Se, Te) van der Waals heterostructure. Journal of Solid State Chemistry, 2022, 313, 123284.	2.9	2
20	Ab initio adiabatic study of the AgH system. Scientific Reports, 2021, 11, 8277.	3.3	1
21	All Optical Stabilizations of Nano-Structure-Based QDash Semiconductor Mode-Locked Lasers Based on Asymmetric Dual-Loop Optical Feedback Configurations. Photonics, 2022, 9, 376.	2.0	1
22	Optimization on Powder Metallurgy Process Parameters on Nano Boron Carbide and Micron Titanium Carbide Particles Reinforced AA 4015 Composites by Taguchi Technique. Journal of Nanomaterials, 2022, 2022, 1-9.	2.7	1
23	Radiative Lifetimes for the A and C1 $\hat{\text{I}}$ + States of the (SrK)+ Ion Molecular. Applied Sciences (Switzerland), 2022, 12, 6746.	2.5	0