Tahani A Alrebdi

List of Publications by Year
in descending order

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23	196	1307594 7	1125743 13
papers	citations	h-index	g-index

23	23	23	108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-principles investigations of Ba2NaIO6 double Perovskite semiconductor: Material for low-cost energy technologies. Materials Chemistry and Physics, 2022, 275, 125237.	4.0	42
2	Van der Waal heterostructure of hBAs and XMY (MÂ=ÂMo, W; (X<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 Td (xmlns:mml=	1.9	2
3	Optimization and Wear Properties for the Composites of Metal Matrix AA8011/Boron Nitride Using Taguchi Method. Journal of Nanomaterials, 2022, 2022, 1-10.	2.7	5
4	Structural, linear and nonlinear optical properties of NiO nanoparticlesâ€“multi-walled carbon nanotubes nanocomposite for optoelectronic applications. Radiation Physics and Chemistry, 2022, 195, 110088.	2.8	14
5	Modeling of Advanced Silicon Nanomaterial Synthesis Approach: From Reactive Thermal Plasma Jet to Nanosized Particles. Nanomaterials, 2022, 12, 1763.	4.1	4
6	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
7	Quantification of Aluminum Gallium Arsenide (AlGaAs) Wafer Plasma Using Calibration-Free Laser-Induced Breakdown Spectroscopy (CF-LIBS). Molecules, 2022, 27, 3754.	3.8	8
8	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
9	In-situ formation of Are-MXY(M = Mo, W; (X â‰ Y) = S, Se, Te) van der Waals heterostructure. Journal of Solid State Chemistry, 2022, 313, 123284.	2.9	2
10	Removal of Ni(II) Ions by Poly(Vinyl Alcohol)/Al2O3 Nanocomposite Film via Laser Ablation in Liquid. Membranes, 2022, 12, 660.	3.0	8
11	Radiative Lifetimes for the A and C1Î£+ States of the (SrK)+ Ion Molecular. Applied Sciences (Switzerland), 2022, 12, 6746.	2.5	0
12	First principles probes of electronic and optical behaviours of zinc doped cuprous oxide for catalysis applications. Journal of Physics and Chemistry of Solids, 2021, 150, 109867.	4.0	4
13	Rb and Cs doping effects in sodium borohydride: Density functional theory for hydrogen (H2) storage purpose. International Journal of Hydrogen Energy, 2021, 46, 2405-2412.	7.1	4
14	Structural and diffuse reflectance investigation of dysprosium-doped TiO2 nanopowder synthesized by sonochemical hydrolysis technique. Physica B: Condensed Matter, 2021, 603, 412664.	2.7	6
15	Investigations of optoelectronic properties of novel ZnO monolayers: A first-principles study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 115043.	3.5	10
16	Ab initio adiabatic study of the AgH system. Scientific Reports, 2021, 11, 8277.	3.3	1
17	Revisiting the Electronic Structures and Phonon Properties of Thermoelectric Antimonide-Tellurides: Spinâ€“Orbit Coupling Induced Gap Opening in ZrSbTe and HfSbTe. Crystals, 2021, 11, 917.	2.2	6
18	Van der Waals heterostructure of Janus transition metal dichalcogenides monolayers (WSSe-WX2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	7

#	Article	IF	Citations
19	Physical Properties Investigations of Ternary-Layered Carbides M2PbC (M = Ti, Zr and Hf): First-Principles Calculations. Crystals, 2021, 11, 1445.	2.2	6
20	Optoelectronic and photocatalytic applications of hBPâ€“XMY (M = Mo, W; (X â‰ Y) = S, Se, Te) van der Waals heterostructures. Physical Chemistry Chemical Physics, 2020, 22, 23028-23037.	2.8	7
21	First-principles study of metal-semiconductor contact between MX2 (Mâ€¯=â€¯Nb, Pt; Xâ€¯=â€¯S, Se) monolayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125867.	2.1	8
22	Electric field tunable electronic properties of P-ZnO and SiC-ZnO van der Waals heterostructures. Computational Materials Science, 2019, 164, 166-170.	3.0	27
23	Physical properties of half-metallic AMnO3 (Aâ€¯=â€¯Mg, Ca) oxides via ab initio calculations. Computational Materials Science, 2018, 146, 248-254.	3.0	23