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First-Principles Calculations to Investigate the Refractive Index and Optical Dielectric Constant of Na₃SbX₄ (X = S, Se) Ternary Chalcogenides

DOI: 10.1002/pssb.201900131

Physica Status Solidi (B): Basic Research, 2019, 256, 1900131.

Source: <https://exaly.com/paper-pdf/73086782/citation-report.pdf>

Version: 2024-04-10

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#	Paper	IF	Citations
72	Strain engineering of the electro-optical and photocatalytic properties of single-layered Janus MoSSe: First principles calculations. <i>Optik</i> , 2020 , 224, 165503	2.5	4
71	The influence of the Cu doping position on GaAs: First-principles calculations. <i>Materials Today Communications</i> , 2020 , 25, 101549	2.5	1
70	First-principles calculations into LiAl(NH ₂) ₄ and its derivative hydrides for potential sodium storage. <i>Results in Physics</i> , 2020 , 19, 103408	3.7	2
69	The electronic and optical properties of Ni-doped Bi ₄ O ₅ I ₂ : First-principles calculations. <i>Results in Physics</i> , 2020 , 19, 103596	3.7	1
68	First-principle calculations of electronic structure and dielectric function of rutile TiO ₂ under hydrostatic pressure. <i>Solid State Sciences</i> , 2020 , 106, 106330	3.4	1
67	First-principles calculations of structural, electronic, and optical properties of double perovskites Cs ₂ Sn _{1-x} B _{1+x} I ₆ (B = Si, Ge; x = 0, 0.25, 0.50, 0.75, 1). <i>Chemical Physics</i> , 2021 , 542, 111075	2.3	4
66	Structural and dielectric properties of cobalt ferrite based nanocomposites. <i>Physica B: Condensed Matter</i> , 2021 , 603, 412752	2.8	2
65	Electronic structure, elastic, optical and thermal properties of chalcopyrite CuBY ₂ (B = In, Ga, In _{0.5} Ga _{0.5} ; Y = S, Se, Te) solar cell compounds. <i>Materials Today Communications</i> , 2021 , 26, 101790	2.5	0
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62	Electronic structure, elastic, optical and thermodynamic properties of cubic perovskite NaBaF ₃ with pressure effects: First-principles calculations. <i>Results in Physics</i> , 2021 , 22, 103860	3.7	3
61	Study of irradiation temperature effect on change of structural, optical, and strength properties of BeO ceramics when irradiated with Ar ⁸⁺ and Xe ²² heavy ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10906-10918	2.1	1
60	Electronic, magnetism and optical properties of transition metals adsorbed puckered arsenene. <i>Superlattices and Microstructures</i> , 2021 , 152, 106852	2.8	30
59	First-principles calculations of adsorption sensitivity of Au-doped MoS ₂ gas sensor to main characteristic gases in oil. <i>Journal of Materials Science</i> , 2021 , 56, 13673-13683	4.3	4
58	First-principles calculations of structural, electronic and optical properties of CdTe _x S _{1-x} and Cd _{1-x} Zn _x S ternary alloys. <i>Surfaces and Interfaces</i> , 2021 , 24, 101126	4.1	6
57	Coexistence of large out-of-plane and in-plane piezoelectricity in 2D monolayer Li-based ternary chalcogenides LiMX ₂ . <i>Results in Physics</i> , 2021 , 26, 104398	3.7	4
56	The crystal and electronic structures, dynamical stabilities and thermal properties, elastic constants and mechanical stabilities, Born effective charges and dielectric constants of a novel tetragonal ZrO ₂ phase: First-principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 154, 110046	3.9	3

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54	First-principles calculations to investigate half-metallic band gap and elastic stability of Co(Mo,Tc)MnSb compounds. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 133, 114790 ³		3
53	First-principles calculations to investigate electronic, elastic, and optical properties of one dimensional electride Y5Si3. <i>Results in Physics</i> , 2021 , 28, 104615	3.7	0
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