

Aki Pulkkinen

List of Publications by Year in descending order

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18
papers

190
citations

1163117

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1058476

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all docs

18
docs citations

18
times ranked

306
citing authors

#	ARTICLE	IF	CITATIONS
1	Break of symmetry at the surface of IrTe ₂ upon phase transition measured by x-ray photoelectron diffraction. Journal of Physics Condensed Matter, 2022, 34, 075001.	1.8	0
2	Uniaxial strain-induced phase transition in the 2D topological semimetal IrTe ₂ . Communications Materials, 2021, 2, .	6.9	25
3	Ultrafast dynamics of the surface photovoltage in potassium-doped black phosphorus. Physical Review B, 2021, 104, .	3.2	9
4	Insensitivity of the striped charge orders in IrTe ₂ to alkali surface doping implies their structural origin. Physical Review Materials, 2021, 5, .	2.4	2
5	Electronic structure beyond the generalized gradient approximation for Ni ₂ As. Physical Review B, 2020, 102, .	3.2	13
6	Superconducting and antiferromagnetic properties of dual-phase V ₃ Ga. Applied Physics Letters, 2020, 117, 062401.	3.3	5
7	Mapping the unoccupied state dispersions in Ta ₂ NiSe ₅ with resonant inelastic x-ray scattering. Physical Review B, 2020, 102, .	3.2	13
8	Exchange-correlation corrections for electronic properties of half-metallic Co ₂ FeSi and nonmagnetic semiconductor CoFeTiAl. Journal of Applied Physics, 2020, 127, .	2.5	10
9	Examining the surface phase diagram of IrTe ₂ with photoemission. Physical Review B, 2020, 101, .	3.2	11
10	Ab initio description of the Bi ₂ O ₈ electronic structure. Physical Review B, 2020, 101, .	3.2	11
11	Coulomb correlation in noncollinear antiferromagnetic Ir ₂ -Mn. Physical Review B, 2020, 101, .	3.2	27
12	Nature of native atomic defects in ZrTe ₅ and their impact on the low-energy electronic structure. Physical Review Materials, 2020, 4, .	3.2	11
13	Correlation effects in the ground state of Ni-(Co)-Mn-Sn Heusler compounds. MRS Advances, 2019, 4, 441-446.	0.9	3
14	First-Principles Study of the Impact of Grain Boundary Formation in the Cathode Material LiFePO ₄ . Condensed Matter, 2019, 4, 80.	1.8	8
15	Correlation effects on ground-state properties of ternary Heusler alloys: First-principles study. Physical Review B, 2019, 99, .	3.2	28
16	Atomic oxygen adsorption on Pb(1 0 0). European Physical Journal B, 2017, 90, 1.	1.5	0
17	Adsorption, diffusion, and vibration of oxygen on Ag(1 1 0). Physical Review B, 2015, 92, .	3.2	11
18	Low-energy electron diffraction and density functional theory study of potassium adsorbed on Pb(1 0 0). Journal of Physics Condensed Matter, 2015, 27, 345001.	1.8	1