

# Aki Pulkkinen

## List of Publications by Year in descending order

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18  
papers

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citations

1163117

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1058476

14  
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18  
all docs

18  
docs citations

18  
times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation effects on ground-state properties of ternary Heusler alloys: First-principles study. Physical Review B, 2019, 99, .	3.2	28
2	Coulomb correlation in noncollinear antiferromagnetic $\text{Ir}_2\text{Mn}_2\text{Sn}$ -Mn. Physical Review B, 2020, 101, .	3.2	27
3	Uniaxial strain-induced phase transition in the 2D topological semimetal IrTe <sub>2</sub> . Communications Materials, 2021, 2, .	6.9	25
4	Adsorption, diffusion, and vibration of oxygen on $\text{Ag}(110)$ . Physical Review B, 2015, 92, .	3.2	21
5	Electronic structure beyond the generalized gradient approximation for $\text{Ni}_2\text{Mn}_2\text{Si}$ . Physical Review B, 2020, 102, .	3.2	13
6	Mapping the unoccupied state dispersions in Ta <sub>2</sub> NiSe <sub>5</sub> with resonant inelastic x-ray scattering. Physical Review B, 2020, 102, .	3.2	13
7	<i>Ab initio</i> description of the $\text{Bi}_2\text{O}_8^+$ electronic structure. Physical Review B, 2020, 101, .	3.2	11
8	Exchange-correlation corrections for electronic properties of half-metallic Co <sub>2</sub> FeSi and nonmagnetic semiconductor CoFeTiAl. Journal of Applied Physics, 2020, 127, .	2.5	10
9	Ultrafast dynamics of the surface photovoltage in potassium-doped black phosphorus. Physical Review B, 2021, 104, .	3.2	9
10	First-Principles Study of the Impact of Grain Boundary Formation in the Cathode Material LiFePO <sub>4</sub> . Condensed Matter, 2019, 4, 80.	1.8	8
11	Examining the surface phase diagram of $\text{IrTe}_2$ with photoemission. Physical Review B, 2020, 101, .	3.2	7
12	Nature of native atomic defects in $\text{ZrTe}_5$ and their impact on the low-energy electronic structure. Physical Review Materials, 2020, 4, .	3.2	7
13	Superconducting and antiferromagnetic properties of dual-phase V <sub>3</sub> Ga. Applied Physics Letters, 2020, 117, 062401.	3.3	5
14	Correlation effects in the ground state of Ni-(Co)-Mn-Sn Heusler compounds. MRS Advances, 2019, 4, 441-446.	0.9	3
15	Low-energy electron diffraction and density functional theory study of potassium adsorbed on Pb(100). Journal of Physics Condensed Matter, 2015, 27, 345001.	1.8	1
16	Insensitivity of the striped charge orders in $\text{IrTe}_2$ to alkali surface doping implies their structural origin. Physical Review Materials, 2021, 5, .	2.4	2
17	Atomic oxygen adsorption on Pb(1 0 0). European Physical Journal B, 2017, 90, 1.	1.5	0
18	Break of symmetry at the surface of IrTe <sub>2</sub> upon phase transition measured by x-ray photoelectron diffraction. Journal of Physics Condensed Matter, 2022, 34, 075001.	1.8	0