

Alla Chikina

List of Publications by Year in descending order

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18
papers

500
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840776

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870
citing authors

#	ARTICLE	IF	CITATIONS
1	Disclosing the response of the surface electronic structure in SrTiO ₃ (001) to strain. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	6
2	Dimensionality of mobile electrons at x-ray-irradiated LaAlO ₃ /SrTiO ₃ interfaces. Electronic Structure, 2022, 4, 015003.	2.8	5
3	Direct Spectroscopic Evidence of Magnetic Proximity Effect in MoS ₂ Monolayer on Graphene/Co. ACS Nano, 2022, 16, 7448-7456.	14.6	7
4	Band-Order Anomaly at the $\hat{1}^3$ -Al ₂ O ₃ /SrTiO ₃ Interface Drives the Electron-Mobility Boost. ACS Nano, 2021, 15, 4347-4356.	14.6	18
5	Proximity Effects on the Charge Density Wave Order and Superconductivity in Single-Layer NbSe ₂ . ACS Nano, 2021, 15, 19430-19438.	14.6	35
6	Emergence of Nontrivial Low-Energy Dirac Fermions in Antiferromagnetic EuCd ₂ As ₂ . Advanced Materials, 2020, 32, e1907565.	21.0	51
7	Artificial quantum confinement in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{LaAl} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{SrTi} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ heterostructures. Physical Review Materials, 2020, 4, .	21.0	51
8	Correlated electronic structure of colossal thermopower FeSb ₂ : An ARPES and ab initio study. Physical Review Research, 2020, 2, .	3.6	11
9	Surface conductivity in antiferromagnetic semiconductor CrSb ₂ . Physical Review Research, 2020, 2, .	3.6	1
10	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂ . Science Advances, 2019, 5, eaaw4718.	10.3	122
11	k-resolved electronic structure of buried heterostructure and impurity systems by soft-X-ray ARPES. Journal of Electron Spectroscopy and Related Phenomena, 2019, 236, 1-8.	1.7	24
12	Semiconductors: X-ray Writing of Metallic Conductivity and Oxygen Vacancies at Silicon/SrTiO ₃ Interfaces (Adv. Funct. Mater. 25/2019). Advanced Functional Materials, 2019, 29, 1970172.	14.9	2
13	Emerging 2D-ferromagnetism and strong spin-orbit coupling at the surface of valence-fluctuating EuIr ₂ Si ₂ . Npj Quantum Materials, 2019, 4, .	5.2	46
14	X-ray Writing of Metallic Conductivity and Oxygen Vacancies at Silicon/SrTiO ₃ Interfaces. Advanced Functional Materials, 2019, 29, 1900645.	14.9	3
15	Electronic phase separation at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{LaAlO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{SrTiO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ interfaces tunable by oxygen deficiency. Physical Review Materials, 2019, 3, .	14.6	34
16	Orbital Ordering of the Mobile and Localized Electrons at Oxygen-Deficient LaAlO ₃ /SrTiO ₃ Interfaces. ACS Nano, 2018, 12, 7927-7935.	14.6	34
17	Spin Orientation of Two-Dimensional Electrons Driven by Temperature-Tunable Competition of Spin-Orbit and Exchange-Magnetic Interactions. Nano Letters, 2017, 17, 811-820.	9.1	28
18	Observation of Single-Spin Dirac Fermions at the Graphene/Ferromagnet Interface. Nano Letters, 2015, 15, 2396-2401.	9.1	82