

Alexandra Tupchaya

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

440
citations

840776

11
h-index

713466

21
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25
all docs

25
docs citations

25
times ranked

327
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Superconductor with a Giant Rashba Effect: One-Atom-Layer Tl-Pb Compound on Si(111). <i>Physical Review Letters</i> , 2015, 115, 147003.	7.8	108
2	A Strategy to Create Spin-Split Metallic Bands on Silicon Using a Dense Alloy Layer. <i>Scientific Reports</i> , 2014, 4, 4742.	3.3	65
3	Large spin splitting of metallic surface-state bands at adsorbate-modified gold/silicon surfaces. <i>Scientific Reports</i> , 2013, 3, 1826.	3.3	51
4	Superconductivity in thallium double atomic layer and transition into an insulating phase intermediated by a quantum metal state. <i>2D Materials</i> , 2017, 4, 025020.	4.4	30
5	Electronic band structure of a Tl/Sn atomic sandwich on Si(111). <i>Physical Review B</i> , 2015, 91, .	3.2	25
6	Synthesis of two-dimensional Tl_xBi_{1-x} compounds and Archimedean encoding of their atomic structure. <i>Scientific Reports</i> , 2016, 6, 19446.	3.3	21
7	Atomic structure and electronic properties of the In/Si(111) 2×2 surface. <i>Physical Review B</i> , 2014, 89, .	3.2	18
8	Thallene: graphene-like honeycomb lattice of Tl atoms frozen on single-layer NiSi ₂ . <i>2D Materials</i> , 2020, 7, 045026.	4.4	17
9	Atomic structure and electronic properties of the two-dimensional $Au_{1-x}Bi_x$ surface. <i>Physical Review B</i> , 2015, 92, .		
10	Low-temperature one-atom-layer $7\sqrt{3} \times 7$ -In phase on Si(111). <i>Surface Science</i> , 2016, 649, 14-19.	1.9	12
11	Theory versus experiment for a family of single-layer compounds with a similar atomic arrangement: $7\sqrt{3} \times 7$ -In phase on Si(111). <i>Surface Science</i> , 2016, 649, 14-19.		

#	ARTICLE	IF	CITATIONS
19	Single and double In atomic layers grown on top of a single atomic layer on Si(111). Physical Review B, 2022, 106, .	3.2	1
20	2D Tl–Pb compounds on Ge(1×1) surface: atomic arrangement and electronic band structure. Journal of Physics Condensed Matter, 2017, 29, 035001.	1.8	3
21	Electronic properties of the two-dimensional (Tl, Rb)/Si(1×1) $\sqrt{3} \times \sqrt{3}$ compound having a honeycomb-like structure. Journal of Physics Condensed Matter, 2018, 30, 415502.	1.8	3
22	Kondo effect at ultimate atomic-scale two-dimensional limit: Au/Si(111) $\sqrt{3} \times \sqrt{3}$ reconstruction with embedded Cr atoms. Physical Review B, 2020, 102, .	3.2	3
23	Superconducting proximity effect in a Rashba-type surface state of Pb/Ge(111). Superconductor Science and Technology, 2020, 33, 075007.	3.5	3
24	Atomic, electronic and transport properties of In–Au 2D compound on Si(1×1). Journal of Physics Condensed Matter, 2020, 32, 135003.	1.8	2
25	Incommensurate superstructure in heavily doped fullerene layer on Bi/Si(111) surface. Journal of Chemical Physics, 2015, 143, 074707.	3.0	1