

Julen Ibañez-Azpiroz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,174
citations

759190

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677123

22
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23
all docs

23
docs citations

23
times ranked

1738
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-phonon coupling of Fe-adatom electron states on MgO/Ag(100). Physical Review B, 2021, 104, .	3.2	2
2	Wannier90 as a community code: new features and applications. Journal of Physics Condensed Matter, 2020, 32, 165902.	1.8	807
3	Directional shift current in mirror-symmetric $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{BC} \langle \text{mml:mi} \rangle \langle \text{mml:mns} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review Research, 2020, 2, .	3.2	2
4	Zero-point magnetic exchange interactions. Physical Review Research, 2020, 2, .	3.6	4
5	Plasmons in Li under compression. Journal of Physics Condensed Matter, 2019, 31, 185501.	1.8	0
6	Strong Electron-Phonon and Band Structure Effects in the Optical Properties of High Pressure Metallic Hydrogen. Physical Review Letters, 2018, 120, 057402.	7.8	15
7	Nondegenerate valleys in the half-metallic ferromagnet Fe/WS ₂ . Physical Review B, 2018, 97, .	3.2	2
8	<i>Ab initio</i> calculation of the shift photocurrent by Wannier interpolation. Physical Review B, 2018, 97, .	3.2	98
9	Spin-fluctuation and spin-relaxation effects of single adatoms from first principles. Journal of Physics Condensed Matter, 2018, 30, 343002.	1.8	5
10	<i>Ab initio</i> investigation of impurity-induced in-gap states in Bi ₂ Te ₃ and Bi ₂ Se ₃ . Physical Review B, 2018, 98, .	3.2	7
11	A gateway towards non-collinear spin processing using three-atom magnets with strong substrate coupling. Nature Communications, 2017, 8, 642.	12.8	25
12	Tuning Paramagnetic Spin Excitations of Single Adatoms. Physical Review Letters, 2017, 119, 017203.	7.8	10
13	Longitudinal and transverse spin relaxation times of magnetic single adatoms: An <i>ab initio</i> analysis. Physical Review B, 2017, 96, .	3.2	12
14	Tight-binding models for ultracold atoms in optical lattices: general formulation and applications. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	4
15	Zero-Point Spin-Fluctuations of Single Adatoms. Nano Letters, 2016, 16, 4305-4311.	9.1	21
16	<i>Ab initio</i> analysis of the topological phase diagram of the Haldane model. Physical Review B, 2015, 92, .	3.2	5
17	<i>Ab initio</i> analysis of plasmon dispersion in sodium under pressure. Physical Review B, 2014, 89, .	3.2	6
18	Breakdown of the Peierls substitution for the Haldane model with ultracold atoms. Physical Review A, 2014, 90, .	2.5	10

#	ARTICLE	IF	CITATIONS
19	Self-consistent tight-binding description of Dirac points moving and merging in two-dimensional optical lattices. Physical Review A, 2013, 88, .	2.5	15
20	Spin-flip transitions and departure from the Rashba model in the Au(111) surface. Physical Review B, 2013, 88, .	3.2	12
21	Tight-binding models for ultracold atoms in honeycomb optical lattices. Physical Review A, 2013, 87, .	2.5	31
22	Spin-Flip Transitions Induced by Time-Dependent Electric Fields in Surfaces with Strong Spin-Orbit Interaction. Physical Review Letters, 2012, 109, 156401.	7.8	20
23	Relativistic effects and fully spin-polarized Fermi surface at the Tl/Si(111) surface. Physical Review B, 2011, 84, .	3.2	50