

Jude Laverock

List of Publications by Year in descending order

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papers

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citations

304743

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51
all docs

51
docs citations

51
times ranked

2389
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum confinement induced metal-insulator transition in strongly correlated quantum wells of superlattices. Physical Review Research, 2021, 3, .	3.6	7
2	Extreme Fermi Surface Smearing in a Maximally Disordered Concentrated Solid Solution. Physical Review Letters, 2020, 124, 046402.	7.8	20
3	Correlation between crystal purity and the charge density wave in VO_2 . Physical Review Materials, 2020, 4, .	7.8	12
4	Observation of Weakened V^{IV} Dimers in the Monoclinic Metallic Phase of Strained VO_2 . Physical Review Letters, 2018, 121, 256403.	7.8	18
5	Nano-engineering of electron correlation in oxide superlattices. Nano Futures, 2017, 1, 031001.	2.2	5
6	Observation of surface states on heavily indium-doped SnTe(111), a superconducting topological crystalline insulator. Physical Review B, 2016, 93, .	3.2	27
7	A soft X-ray spectroscopic perspective of electron localization and transport in tungsten doped bismuth vanadate single crystals. Physical Chemistry Chemical Physics, 2016, 18, 31958-31965.	2.8	16
8	Evolution of correlated electron behavior from the surface to the bulk in $\text{Sr}_x\text{Ca}_{1-x}\text{VO}_3$. Materials Research Society Symposia Proceedings, 2015, 1730, 1.	0.1	0
9	Simultaneous Spectroscopic, Diffraction and Microscopic Study of the Metal-Insulator Transition of VO_2 . Materials Research Society Symposia Proceedings, 2015, 1730, 20.	0.1	1
10	Enhanced electron correlations at the surface of SrVO_3 . Physical Review B, 2015, 91, .	3.2	11
11	Surface evolution of lanthanum strontium cobalt ferrite thin films at low temperatures. Thin Solid Films, 2015, 589, 655-661.	1.8	8
12	Effects of rare-earth size on the electronic structure of $\text{La}_{1-x}\text{Lu}_x\text{VO}_3$. Journal of Physics Condensed Matter, 2015, 27, 105503.	1.8	11
13	Soft X-ray spectroscopic studies of the electronic structure of M:BiVO_4 (M = Mo, W) single crystals. Journal of Materials Chemistry A, 2015, 3, 23743-23753.	10.3	32
14	Vacancy assisted SrO formation on $\text{La}_{0.8}\text{Sr}_{0.2}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ surfaces: A synchrotron photoemission study. Surface Science, 2015, 642, 33-38.	1.9	36
15	Low-energy $\text{V}t_2$ orbital excitations in NdVO_3 . Journal of Physics Condensed Matter, 2014, 26, 455603.	1.8	4
16	Direct Observation of Decoupled Structural and Electronic Transitions and an Ambient Pressure Monocliniclike Metallic Phase of VO_2 . Physical Review Letters, 2014, 113, 216402.	7.8	98
17	Electronic Structure of $\text{Na}_{1-x}\text{V}_2\text{O}_5$ ($x \approx 0.33$) Polycrystalline Films: Growth, Spectroscopy, and Theory. Journal of Physical Chemistry C, 2014, 118, 1081-1094.	3.1	21
18	Recovering the Fermi surface with 2D-ACAR spectroscopy in samples with defects. Journal of Physics: Conference Series, 2014, 505, 012046.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Resonant Soft-X-Ray Emission as a Bulk Probe of Correlated Electron Behavior in Metallic SrCa_7S_8 Physical Review Letters, 2013, 111, 047402.	7.8	15
20	Transport behavior and electronic structure of phase pure VO ₂ thin films grown on <i>c</i> -plane sapphire under different O ₂ partial pressure. Journal of Applied Physics, 2013, 114, .	2.5	38
21	Metal-insulator transition induced in CaVO ₃ thin films. Journal of Applied Physics, 2013, 113, .	2.5	31
22	Analysis of visible-light-active Sn(ii)TiO ₂ photocatalysts. Physical Chemistry Chemical Physics, 2013, 15, 6185.	2.8	13
23	The band structure of WO ₃ and non-rigid-band behaviour in Na _{0.67} WO ₃ derived from soft x-ray spectroscopy and density functional theory. Journal of Physics Condensed Matter, 2013, 25, 165501.	1.8	10
24	k -resolved susceptibility function of 2H-TaSe ₂ from angle-resolved photoemission. Physical Review Letters, 2012, 109, 167401.	3.2	25
25	V from angle-resolved photoemission. Physical Review Letters, 2012, 109, 167401.	3.2	28
26	The Bristol HIDAC 2D-ACAR Spectrometer. Journal of Physics: Conference Series, 2013, 443, 012083.	0.4	7
27	Positron annihilation study of the Fermi surface of Ni ₂ MnGa. New Journal of Physics, 2012, 14, 035020.	2.9	42
28	Photoemission evidence for crossover from Peierls-like to Mott-like transition in highly strained VO ₂ . Physical Review B, 2012, 86, .	3.2	38
29	Strain dependence of bonding and hybridization across the metal-insulator transition of VO ₂ . Physical Review B, 2012, 85, .	3.2	30
30	Ferrimagnetism in Fe-rich NbFe ₂ . Physical Review B, 2012, 85, .	3.2	34
31	Soft X-Ray Spectroscopic Study of Dense Strontium-Doped Lanthanum Manganite Cathodes for Solid Oxide Fuel Cell Applications. Journal of the Electrochemical Society, 2011, 158, B99.	2.9	21
32	Electronic structure and Fermi surface of the weak ferromagnet Ni ₃ Al. Physical Review B, 2011, 84, .	3.2	9
33	Maximum entropy deconvolution of resonant inelastic x-ray scattering spectra. Physical Review B, 2011, 84, .	3.2	13
34	Orbital anisotropy and low-energy excitations of the quasi-one-dimensional conductor Sr VO_2 . Physical Review Letters, 2010, 105, 236401.	3.2	15
35	Fermi Surface of an Important Nanosized Metastable Phase: AlLi_3 . Physical Review Letters, 2010, 105, 236401.	7.8	12
36	Experimental determination of the state-dependent enhancement of the electron-positron momentum density in solids. Physical Review B, 2010, 82, .	3.2	29

#	ARTICLE	IF	CITATIONS
37	Soft x-ray spectroscopic study of the ferromagnetic insulator $V_{0.82}Te_{0.18}$. Physical Review B, 2010, 82, .	3.2	27
38	Bulk electronic structure of optimally doped $Ba_{1-x}Co_x$. Physical Review B, 2010, 81, .	3.2	29
39	Vacancy defect positron lifetimes in strontium titanate. Physical Review B, 2009, 79, .	3.2	48
40	Bulk Spin Polarization of $Co_{1-x}Fe_x$. Physical Review Letters, 2009, 103, 226403.	7.8	30
41	Fermi surfaces of rare-earth nickel borocarbides. Superconductor Science and Technology, 2009, 22, 014002.	3.5	14
42	Electronic structure of R_2NiC . Physical Review B, 2009, 79, 040402.	3.2	47
43	Angle resolved photoemission study of the evolution of band structure and charge density wave properties in R_2Te_3 . Physical Review B, 2008, 77, 040402.	3.2	153
44	Effect of chemical pressure on the charge density wave transition in rare-earth tritellurides R_2Te_3 . Physical Review B, 2008, 77, 040402.	3.2	163
45	de Haas-van Alphen oscillations in the charge density wave compound lanthanum tritelluride $LaTe_3$. Physical Review B, 2006, 73, 040402.	3.2	19
46	Charge density wave formation in R_2Te_5 . Physical Review B, 2006, 73, 040402.	3.2	14
47	Elliptical hole pockets in the Fermi surfaces of unhydrated and hydrated sodium cobalt oxides. Physical Review B, 2007, 76, .	3.2	32
48	Observation of a Strongly Nested Fermi Surface in the Shape-Memory Alloy $Ni_{0.62}Al_{0.38}$. Physical Review Letters, 2006, 96, 046406.	7.8	43
49	Fermi surface nesting and charge-density wave formation in rare-earth tritellurides. Physical Review B, 2005, 71, .	3.2	94
50	Refining Fermi surface topologies from ab initio calculations through momentum density spectroscopies. Journal of Physics and Chemistry of Solids, 2004, 65, 2011-2016.	4.0	16
51	<i>Ex situ</i> Ge-doping of CZTS nanocrystals and CZTSSe solar absorber films. Faraday Discussions, 2004, 123, 70-84.	3.2	2