

Jude Laverock

List of Publications by Year in descending order

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51
papers

1,467
citations

304743

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#	ARTICLE	IF	CITATIONS
1	Effect of chemical pressure on the charge density wave transition in rare-earth tritellurides $\langle \text{mml:mrow} \langle \text{mml:mi} \text{R} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Te} \langle \text{mml:mi} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$	3.2	163
2	Angle-resolved photoemission study of the evolution of band structure and charge density wave properties in $\langle \text{mml:mrow} \langle \text{mml:mi} \text{R} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{Te} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$	3.2	153
3	Direct Observation of Decoupled Structural and Electronic Transitions and an Ambient Pressure Monocliniclike Metallic Phase of $\langle \text{mml:mrow} \langle \text{mml:mi} \text{VO} \langle \text{mml:msub} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review Letters, 2014, 113, 216402.	7.8	98
4	Fermi surface nesting and charge-density wave formation in rare-earth tritellurides. Physical Review B, 2005, 71, .	3.2	94
5	Vacancy defect positron lifetimes in strontium titanate. Physical Review B, 2009, 79, .	3.2	48
6	Electronic structure of $\langle \text{mml:mrow} \langle \text{mml:mi} \text{R} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{NiC} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$	3.2	47
7	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
8	Positron annihilation study of the Fermi surface of Ni ₂ MnGa. New Journal of Physics, 2012, 14, 035020.	2.9	42
9	Photoemission evidence for crossover from Peierls-like to Mott-like transition in highly strained VO $\langle \text{mml:mrow} \langle \text{mml:mi} \text{VO} \langle \text{mml:msub} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2012, 86, .	3.2	38
10	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
11	Vacancy assisted SrO formation on La _{0.8} Sr _{0.2} Co _{0.2} Fe _{0.8} O ₃ surfaces: A synchrotron photoemission study. Surface Science, 2015, 642, 33-38.	1.9	36
12	Ferrimagnetism in Fe-rich NbFe $\langle \text{mml:mrow} \langle \text{mml:mi} \text{NbFe} \langle \text{mml:msub} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2012, 85, .	3.2	34
13	Elliptical hole pockets in the Fermi surfaces of unhydrated and hydrated sodium cobalt oxides. Physical Review B, 2007, 76, .	3.2	32
14	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
15	Metal-insulator transition induced in CaVO ₃ thin films. Journal of Applied Physics, 2013, 113, .	2.5	31
16	Bulk Spin Polarization of $\langle \text{mml:mrow} \langle \text{mml:mi} \text{Co} \langle \text{mml:msub} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2011, 83, 040401.	7.8	30
17	Strain dependence of bonding and hybridization across the metal-insulator transition of VO $\langle \text{mml:mrow} \langle \text{mml:mi} \text{VO} \langle \text{mml:msub} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2012, 85, .	3.2	30
18	Experimental determination of the state-dependent enhancement of the electron-positron momentum density in solids. Physical Review B, 2010, 82, .	3.2	29

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19	Bulk electronic structure of optimally doped $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$. Physical Review B, 2003, 68, 041101.	3.2	29
20	Electronic structure of the Kagome staircase compounds $\text{Ni}_3\text{V}_2\text{O}_{10}$ and Ni_3VO_4 . Physical Review B, 2010, 82, 040402.	3.2	28
21	Soft X-ray spectroscopic study of the ferromagnetic insulator VO_2 . Physical Review B, 2010, 82, 040402.	3.2	27
22	Observation of surface states on heavily indium-doped $\text{SnTe}(111)$, a superconducting topological crystalline insulator. Physical Review B, 2016, 93, 040402.	3.2	27
23	k -resolved susceptibility function of 2H-TaSe_2 from angle-resolved photoemission. Physical Review B, 2016, 93, 040402.	3.2	25
24	Soft X-Ray Spectroscopic Study of Dense Strontium-Doped Lanthanum Manganese Cathodes for Solid Oxide Fuel Cell Applications. Journal of the Electrochemical Society, 2011, 158, B99.	2.9	21
25	Electronic Structure of NaVO_2 Polycrystalline Films: Growth, Spectroscopy, and Theory. Journal of Physical Chemistry C, 2014, 118, 1081-1094.	3.1	21
26	Extreme Fermi Surface Smearing in a Maximally Disordered Concentrated Solid Solution. Physical Review Letters, 2020, 124, 046402.	7.8	20
27	de Haas-van Alphen oscillations in the charge density wave compound lanthanum tritelluride LaTe_3 . Physical Review B, 2008, 78, 040402.	3.2	19
28	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
29	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
30	Orbital anisotropy and low-energy excitations of the quasi-one-dimensional conductor SrVO_3 . Physical Review B, 2013, 87, 040402.	3.2	15
31	Resonant Soft-X-Ray Emission as a Bulk Probe of Correlated Electron Behavior in Metallic CaVO_3 . Physical Review Letters, 2013, 111, 047402.	7.8	15
32	Charge density wave formation in R_2TeO_5 . Physical Review Letters, 2013, 111, 047402.	3.2	14
33	Fermi surfaces of rare-earth nickel borocarbides. Superconductor Science and Technology, 2009, 22, 014002.	3.5	14
34	Maximum entropy deconvolution of resonant inelastic x-ray scattering spectra. Physical Review B, 2011, 84, 040402.	3.2	13
35	Analysis of visible-light-active Sn(II)-TiO_2 photocatalysts. Physical Chemistry Chemical Physics, 2013, 15, 6185.	2.8	13
36	Observation of Weakened VO_2 Dimers in the Monoclinic Metallic Phase of Strained VO_2 . Physical Review Letters, 2018, 121, 256403.	7.8	13

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37	Fermi Surface of an Important Nanosized Metastable Phase: Al_3Li . Physical Review Letters, 2010, 105, 236401.	7.8	12
38	Correlation between crystal purity and the charge density wave in TiMo_2 . Physical Review Materials, 2020, 4, .	2.1	62
39	Enhanced electron correlations at the $\text{Sr}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2015, 91, .	3.2	11
40	Effects of rare-earth size on the electronic structure of $\text{La}_x\text{Lu}_{1-x}\text{VO}_3$. Journal of Physics Condensed Matter, 2015, 27, 105503.	1.8	11
41	The band structure of WO_3 and non-rigid-band behaviour in $\text{Na}_{0.67}\text{WO}_3$ derived from soft x-ray spectroscopy and density functional theory. Journal of Physics Condensed Matter, 2013, 25, 165501.	1.8	10
42	Electronic structure and Fermi surface of the weak ferromagnet Ni_3Al . Physical Review B, 2011, 84, .	3.2	9
43	Surface evolution of lanthanum strontium cobalt ferrite thin films at low temperatures. Thin Solid Films, 2015, 589, 655-661.	1.8	8
44	The Bristol HIDAC 2D-ACAR Spectrometer. Journal of Physics: Conference Series, 2013, 443, 012083.	0.4	7
45	Quantum confinement induced metal-insulator transition in strongly correlated quantum wells of SrVO_3 superlattices. Physical Review Research, 2021, 3, .	3.6	7
46	Nano-engineering of electron correlation in oxide superlattices. Nano Futures, 2017, 1, 031001.	2.2	5
47	Low-energy $\text{V}t_2$ orbital excitations in NdVO_3 . Journal of Physics Condensed Matter, 2014, 26, 455603.	1.8	4
48	Recovering the Fermi surface with 2D-ACAR spectroscopy in samples with defects. Journal of Physics: Conference Series, 2014, 505, 012046.	0.4	4
49	<i>Ex situ</i> Ge-doping of CZTS nanocrystals and CZTSSe solar absorber films. Faraday Discussions, 0, 239, 70-84.	3.2	2
50	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
51	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