

Jonathan D Denlinger

List of Publications by Year in descending order

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108
papers

5,716
citations

101543

36
h-index

74163

75
g-index

111
all docs

111
docs citations

111
times ranked

8632
citing authors

#	ARTICLE	IF	CITATIONS
1	Global perspectives of the bulk electronic structure of URu ₂ Si ₂ from angle-resolved photoemission. <i>Electronic Structure</i> , 2022, 4, 013001.	2.8	4
2	Correlation-driven electron-hole asymmetry in graphene field effect devices. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	6
3	Correlation-driven electronic reconstruction in FeTe _{1-x} Sex. <i>Communications Physics</i> , 2022, 5, .	5.3	17
4	Nonsymmorphic symmetry-protected band crossings in a square-net metal PtPb ₄ . <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	10
5	Observation of a Flat and Extended Surface State in a Topological Semimetal. <i>Materials</i> , 2022, 15, 2744.	2.9	1
6	Evidence of nested quasi-one-dimensional Fermi surface and decoupled charge-lattice orders in layered TaTe ₂ . <i>Physical Review Research</i> , 2022, 4, .	3.6	6
7	Digging deeper: Buried layers and interfaces studied by modified total electron yield and soft x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2022, 120, 181601.	3.3	0
8	Signature of Kondo hybridisation with an orbital-selective Mott phase in 4d Ca _{2-x} Sr _x RuO ₄ . <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	4
9	Electric-field-driven octahedral rotation in perovskite. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	7
10	Robust Surface States and Coherence Phenomena in Magnetically Alloyed SmB ₆ . <i>Physical Review Letters</i> , 2021, 126, 136401.	7.8	4
11	Crystalline symmetry-protected non-trivial topology in prototype compound BaAl ₄ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	7
12	Topological surface states on the nonpolar (110) and (111) surfaces of SmB ₆ . <i>Physical Review B</i> , 2021, 103, .	5.2	1
13	Controlling spin-orbit coupling strength of bulk transition metal dichalcogenide semiconductors. <i>Current Applied Physics</i> , 2021, 30, 4-4.	2.4	1
14	Anisotropic Hybridization in the Ferromagnetic Quantum Critical Metal CeRh ₆ . <i>Physical Review Letters</i> , 2021, 126, 216406.	7.8	23
15	Effect of the sample work function on alkali metal dosing induced electronic structure change. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 249, 147045.	1.7	3
16	Spectroscopic signature of negative electronic compressibility from the Ti core-level of titanium carbonitride MXene. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	7
17	Transport anomalies in the layered compound BaPt ₄ Se ₆ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	1
18	Experimental evidence of plasmarons and effective fine structure constant in electron-doped graphene/h-BN heterostructure. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	3

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19	Sign-tunable anomalous Hall effect induced by two-dimensional symmetry-protected nodal structures in ferromagnetic perovskite thin films. <i>Nature Materials</i> , 2021, 20, 1643-1649.	27.5	36
20	Band-selective gap opening by a C4-symmetric order in a proximity-coupled heterostructure Sr ₂ VO ₃ FeAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2105190118.	7.1	1
21	Tunable Kondo Resonance at a Pristine Two-Dimensional Dirac Semimetal on a Kondo Insulator. <i>Nano Letters</i> , 2020, 20, 7973-7979.	9.1	2
22	Evolution of the Kondo lattice electronic structure above the transport coherence temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23467-23476.	7.1	40
23	Low Energy Band Structure and Symmetries of UTe_2 Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2020, 124, 076401.	7.8	59
24	Spin-orbit-controlled metal-insulator transition in Sr ₂ IrO ₄ . <i>Nature Physics</i> , 2020, 16, 290-294.	16.7	30
25	Distinct topological properties in Ce monopnictides having correlated f electrons: CeN vs. CeBi. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
26	Angle-resolved photoemission spectroscopy study of the M ₂ Bi ₂ Kondo insulator candidate CeRhSb. <i>Physical Review B</i> , 2019, 100, .	3.2	9
27	Orbital Character Effects in the Photon Energy and Polarization Dependence of Pure C ₆₀ Photoemission. <i>ACS Nano</i> , 2019, 13, 12710-12718.	14.6	4
28	Lifshitz-Transition-Driven Metal-Insulator Transition in Moderately Spin-Orbit-Coupled Sr ₂ xLa _{1-x} RhO ₄ . <i>Physical Review Letters</i> , 2019, 123, 106401.	7.8	11
29	Direct visualization of coexisting channels of interaction in CeSb. <i>Science Advances</i> , 2019, 5, eaat7158.	10.3	29
30	A setup for extreme-ultraviolet ultrafast angle-resolved photoelectron spectroscopy at 50-kHz repetition rate. <i>Review of Scientific Instruments</i> , 2019, 90, 023105.	1.3	48
31	Realization of a Type-II Nodal-Line Semimetal in Mg ₃ Bi ₂ . <i>Advanced Science</i> , 2019, 6, 1800897.	11.2	84
32	Beyond triplet: Unconventional superconductivity in a spin-3/2 topological semimetal. <i>Science Advances</i> , 2018, 4, eaao4513.	10.3	130
33	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. <i>Nano Letters</i> , 2018, 18, 1099-1103.	9.1	8
34	Evidence for a Quasi-One-Dimensional Charge Density Wave in CuTe by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2018, 121, 206402.	7.8	33
35	Experimental Observation of Hidden Berry Curvature in Inversion-Symmetric Bulk H_2 . <i>Physical Review Letters</i> , 2018, 121, 186401.	7.8	18
36	Emergence of Kondo Resonance in Graphene Intercalated with Cerium. <i>Nano Letters</i> , 2018, 18, 3661-3666.	9.1	14

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37	Electronic-dimensionality reduction of bulk MoS ₂ by hydrogen treatment. Physical Chemistry Chemical Physics, 2018, 20, 23007-23012.	2.8	6
38	In Situ Strain Tuning of the Dirac Surface States in Bi ₂ Se ₃ Films. Nano Letters, 2018, 18, 5628-5632.	9.1	27
39	Soft X-ray synchrotron radiation spectroscopy study of rare-earth chalcogenide charge-density wave compounds. Journal of the Korean Physical Society, 2017, 70, 389-393.	0.7	1
40	Temperature-Dependent Electron-Electron Interaction in Graphene on SrTiO ₃ . Nano Letters, 2017, 17, 5914-5918.	9.1	17
41	Possible electric field induced indirect to direct band gap transition in MoSe ₂ . Scientific Reports, 2017, 7, 5206.	3.3	23
42	Temperature-modulated electronic structure of graphene on SiC: Possible roles of electron-electron interaction and strain. Applied Physics Letters, 2017, 111, 231603.	3.3	2
43	In Situ Control of Separate Electronic Phases on SrTiO ₃ Surfaces by Oxygen Dosing. Advanced Materials, 2016, 28, 7443-7449.	21.0	69
44	Site- and Symmetry-Resolved Resonant X-ray Emission Study of a Highly Ordered PTCDA Thin Film. Journal of Physical Chemistry C, 2016, 120, 8607-8615.	3.1	1
45	The hybridizations of cobalt 3d bands with the electron band structure of the graphene/cobalt interface on a tungsten substrate. Journal of the Korean Physical Society, 2016, 69, 573-577.	0.7	2
46	Experimental observation of topological Fermi arcs in type-II Weyl semimetal MoTe ₂ . Nature Physics, 2016, 12, 1105-1110.	16.7	663
47	Angle-Resolved Photoemission: Mid-level Filling of Fermi Surface of Metallic V ₂ O ₃ . Physical Review Letters, 2016, 117, 166401.	7.8	13
48	Enhanced superconductivity in surface-electron-doped iron pnictide Ba(Fe _{1.94} Co _{0.06}) ₂ As ₂ . Nature Materials, 2016, 15, 1233-1236.	27.5	17
49	Electronic Structure of YbB ₆ : Is it a Topological Insulator or Not?. Physical Review Letters, 2016, 116, 116401.	7.8	30
50	A novel quasi-one-dimensional topological insulator in bismuth iodide Bi_2I_4 . Nature Materials, 2016, 15, 154-158.	27.5	90
51	Observation of a d-wave gap in electron-doped Sr ₂ IrO ₄ . Nature Physics, 2016, 12, 37-41.	16.7	246
52	Probing hydrogen bonding orbitals: resonant inelastic soft X-ray scattering of aqueous NH ₃ . Physical Chemistry Chemical Physics, 2015, 17, 27145-27153.	2.8	49
53	Soft X-ray angle-resolved photoemission with micro-positioning techniques for metallic V ₂ O ₃ . Journal of Synchrotron Radiation, 2015, 22, 776-780.	2.4	6
54	Spectroscopic Determination of the Atomic f-Electron Symmetry Underlying Hidden Order in URu ₂ . Physical Review Letters, 2015, 114, 236401.	7.8	32

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55	Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. <i>Nature Materials</i> , 2015, 14, 577-582.	27.5	43
56	Effects of native defects on properties of low temperature grown, non-stoichiometric gallium nitride. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 385101.	2.8	6
57	Observation of tunable band gap and anisotropic Dirac semimetal state in black phosphorus. <i>Science</i> , 2015, 349, 723-726.	12.6	749
58	Observation of an electron band above the Fermi level in FeTe _{0.55} Se _{0.45} from <i>in-situ</i> surface doping. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	18
59	Fermi level stabilization and band edge energies in Cd _x Zn _{1-x} O alloys. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	37
60	Termination-dependent surface in-gap states in a potential mixed-valent topological insulator: SmB ₆ . <i>Physical Review B</i> , 2014, 90, .	3.2	42
61	Fermi arcs in a doped pseudospin-1/2 Heisenberg antiferromagnet. <i>Science</i> , 2014, 345, 187-190.	12.6	261
62	Key electronic states in lithium battery materials probed by soft X-ray spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 64-74.	1.7	89
63	Photoelectron spin-flipping and texture manipulation in a topological insulator. <i>Nature Physics</i> , 2013, 9, 293-298.	16.7	176
64	Highly mismatched N-rich GaN _{1-x} Sb _x films grown by low temperature molecular beam epitaxy. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	26
65	Yb valence change in Ce _{1-x} Yb _x CoIn ₅ from spectroscopy and bulk properties. <i>Physical Review B</i> , 2013, 88, .	3.2	25
66	Resonant Inelastic X-ray Scattering Spectroscopy at MERLIN Beamline at the Advanced Light Source. <i>Synchrotron Radiation News</i> , 2012, 25, 23-28.	0.8	8
67	Chemical State Analysis of Entrapped Nitrogen in Carbon Nanohorns Using Soft X-ray Emission and Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6793-6799.	3.1	4
68	Band Gap Engineering of Oxide Photoelectrodes: Characterization of ZnO _{1-x} Sex. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15281-15289.	3.1	18
69	X-ray Emission Spectroscopy of Nitrogen-Rich Compounds. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3243-3250.	2.5	20
70	Electron-hole correlation effects in core-level spectroscopy probed by the resonant inelastic soft x-ray scattering map of C ₆₀ . <i>Journal of Chemical Physics</i> , 2011, 135, 104705.	3.0	10
71	Growth and transport properties of p-type GaN _{1-x} Bi _x alloys. <i>Journal of Materials Research</i> , 2011, 26, 2887-2894.	2.6	16
72	Adsorption structure analysis of entrapped nitrogen in carbon-nanohorns by soft X-ray emission and absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 186-188.	1.7	5

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73	Soft X-ray Spectroscopy Study of the Electronic Structure of Oxidized and Partially Oxidized Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21994-22001.	3.1	57
74	Nondestructive depth-resolved spectroscopic investigation of the heavily intermixed In ₂ S ₃ /Cu(In,Ga)Se ₂ interface. <i>Applied Physics Letters</i> , 2010, 96, 184101.	3.3	24
75	Highly mismatched crystalline and amorphous GaN _{1-x} As _x alloys in the whole composition range. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	61
76	High-resolution soft X-ray spectral analysis in the C <i>1s</i> region of titanium carbide using the DV-X ₁ ± molecular orbital method. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 2722-2727.	2.0	1
77	Solid and liquid spectroscopic analysis (SALSA) – a soft x-ray spectroscopy endstation with a novel flow-through liquid cell. <i>Review of Scientific Instruments</i> , 2009, 80, 123102.	1.3	77
78	Depth-resolved band gap in Cu(In,Ga)(S,Se) ₂ thin films. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	72
79	Intermixing and chemical structure at the interface between n-GaN and V-based contacts. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	14
80	Chemical Analysis of Impurity Boron Atoms in Diamond Using Soft X-Ray Emission Spectroscopy. <i>Analytical Sciences</i> , 2008, 24, 831-834.	1.6	4
81	Soft X-Ray Emission Spectral Analysis of Graphite Fluoride (CF) _n Using the DV-X ₁ ± Calculations. <i>Advances in Quantum Chemistry</i> , 2008, 54, 219-226.	0.8	0
82	Structure and electronic properties of InN and In-rich group III-nitride alloys. <i>Journal Physics D: Applied Physics</i> , 2006, 39, R83-R99.	2.8	229
83	Characterization of Protein Immobilization at Silver Surfaces by Near Edge X-ray Absorption Fine Structure Spectroscopy. <i>Langmuir</i> , 2006, 22, 7719-7725.	3.5	39
84	Orbitally Driven Spin-Singlet Dimerization in Sr _{1-x} La ₄ Ru ₂ O ₁₀ . <i>Physical Review Letters</i> , 2006, 96, 256402.	7.8	54
85	Photoemission study of (V _{1-x} M _x) ₂ O ₃ (M=Cr,Ti). <i>Physical Review B</i> , 2006, 74, .	3.2	53
86	X-ray spectroscopy study on the electronic structure of hole-doped edge-shared chains in Ca _{2+x} Y _{2-x} Cu ₅ O ₁₀ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 148, 65-72.	1.7	3
87	Element-Selective Observation of Electronic Structure Transition between Semiconducting and Metallic States in Boron-Doped Diamond Using Soft X-ray Emission and Absorption Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6612-6617.	1.5	14
88	Ultrafast Core-Hole-Induced Dynamics in Water Probed by X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , 2005, 94, 227401.	7.8	117
89	Crystallographic alignment of high-density gallium nitride nanowire arrays. <i>Nature Materials</i> , 2004, 3, 524-528.	27.5	454
90	Evaluation of carbon films on the Japanese smoked roof tile –bushi-Kawara– by angle-dependent soft X-ray emission spectroscopy using synchrotron radiation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1317-1322.	2.9	2

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91	Soft X-ray Induced Decomposition of Phenylalanine and Tyrosine: A Comparative Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4557-4565.	2.5	102
92	Electronic structure and oxygen bonding in CaSiO ₃ silicate. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 5523-5533.	1.8	11
93	Prominent Quasiparticle Peak in the Photoemission Spectrum of the Metallic Phase of V ₂ O ₃ . <i>Physical Review Letters</i> , 2003, 90, 186403.	7.8	143
94	Monitoring chemical reactions at a liquid–solid interface: Water on CuIn(S,Se) ₂ thin film solar cell absorbers. <i>Journal of Chemical Physics</i> , 2003, 119, 10467-10470.	3.0	33
95	Characterization of Carbon Films on the Japanese Smoked Roof Tile “bushi-Kawara” by High-Resolution Soft X-ray Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 6551-6555.	1.5	8
96	Bulk Band Gaps in Divalent Hexaborides. <i>Physical Review Letters</i> , 2002, 89, 157601.	7.8	90
97	Non-Fermi Liquid Angle Resolved Photoemission Line Shapes of Li _{0.9} Mo ₆ O ₁₇ . <i>Physical Review Letters</i> , 2000, 85, 3985-3985.	7.8	18
98	Holographic atomic images from surface and bulk W(110) photoelectron diffraction data. <i>Physical Review B</i> , 1999, 59, 5857-5870.	3.2	45
99	Non-Fermi-Liquid Single Particle Line Shape of the Quasi-One-Dimensional Non-CDW Metal Li _{0.9} Mo ₆ O ₁₇ : Comparison to the Luttinger Liquid. <i>Physical Review Letters</i> , 1999, 82, 2540-2543.	7.8	93
100	Direct Observation of Complete Fermi Surface, Imperfect Nesting, and Gap Anisotropy in the High-Temperature Incommensurate Charge-Density-Wave Compound SmTe ₃ . <i>Physical Review Letters</i> , 1998, 81, 886-889.	7.8	113
101	Magnetic x-ray linear dichroism in the photoelectron spectroscopy of ultrathin magnetic alloy films. <i>Journal of Applied Physics</i> , 1996, 79, 5626.	2.5	17
102	Altered photoemission satellites at CaF ₂ - and SrF ₂ -on-Si(111) interfaces. <i>Physical Review B</i> , 1996, 53, 1584-1593.	3.2	5
103	Growth kinetics of CaF ₂ /Si(111) heteroepitaxy: An x-ray photoelectron diffraction study. <i>Physical Review B</i> , 1995, 51, 5352-5365.	3.2	62
104	Resonant excitation x-ray fluorescence from C ₆₀ . <i>Physical Review B</i> , 1995, 52, 10681-10684.	3.2	33
105	First results from the SpectroMicroscopy Beamline at the Advanced Light Source. <i>Review of Scientific Instruments</i> , 1995, 66, 1342-1345.	1.3	49
106	Layer-by-layer resolved core-level shifts in CaF ₂ and SrF ₂ on Si(111): Theory and experiment. <i>Physical Review B</i> , 1994, 50, 11052-11069.	3.2	27
107	Variable growth modes of CaF ₂ on Si(111) determined by x-ray photoelectron diffraction. <i>Applied Physics Letters</i> , 1993, 62, 2057-2059.	3.3	29
108	Atomic-size effects on the growth of SrF ₂ and (Ca,Sr)F ₂ on Si(111). <i>Physical Review B</i> , 1991, 43, 7335-7338.	3.2	7