

John Joyce

List of Publications by Year in descending order

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70
papers

2,839
citations

126907

33
h-index

168389

53
g-index

70
all docs

70
docs citations

70
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Epitaxial Uranium Dicarbide Thin Films by Polymer-Assisted Deposition. Chemistry of Materials, 2013, 25, 4373-4377.	6.7	15
2	Imaging the Three-Dimensional Fermi-Surface Pairing near the Hidden-Order Transition in URu_2Si_2 Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2013, 111, 127002.	7.8	64
3	Effect of spin-orbit coupling on the actinide dioxides AnO_2 (An=Th, Pa, U, Np, Pu, and Am): A screened hybrid density functional study. Journal of Chemical Physics, 2012, 137, 154707.	3.0	108
4	Electronic structure of single crystal UPd ₃ , UGe ₂ , and USb ₂ from hard X-ray and angle-resolved photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 517-524.	1.7	13
5	Dispersion in the Mott insulator UO_2 : A comparison of photoemission spectroscopy and screened hybrid density functional theory. Journal of Computational Chemistry, 2008, 29, 2288-2294.	3.3	65
6	Observation of a kink in the dispersion of f-electrons. Europhysics Letters, 2008, 84, 37003.	2.0	21
7	Controlling Oxidation States in Uranium Oxides through Epitaxial Stabilization. Advanced Materials, 2007, 19, 3559-3563.	21.0	53
8	Notes on the Dual Nature of 5f Electrons. Journal of the Physical Society of Japan, 2006, 75, 39-40.	1.6	6
9	Electronic structure of layered uranium compounds from photoemission spectroscopy. Surface Science, 2006, 600, 1632-1636.	1.9	9
10	A comparison of hybrid density functional theory with photoemission of surface oxides of $\hat{\Gamma}$ -plutonium. Surface Science, 2006, 600, 1637-1640.	1.9	17
11	Localized and Itinerant States in Pu Materials. Materials Research Society Symposia Proceedings, 2005, 893, 1.	0.1	1
12	Direct Observation of Itinerant Magnetism in the 5f-Electron System UTe. Physical Review Letters, 2004, 93, 267205.	7.8	29
13	A novel electronic configuration of the 5f states in $\hat{\Gamma}$ -plutonium as revealed by the photo-electron spectra. Journal of Electron Spectroscopy and Related Phenomena, 2004, 135, 163-166.	1.7	74
14	Photoemission of surface oxides and hydrides of delta plutonium. Surface Science, 2004, 571, 74-82.	1.9	76
15	Photoemission and the Electronic Structure of PuCoGa ₅ . Physical Review Letters, 2003, 91, 176401.	7.8	94
16	He discharge lamp for photoemission experiments with radioactive materials. Review of Scientific Instruments, 2002, 73, 3750-3753.	1.3	6
17	Surface energy calculation of metals with 1 and 2 delocalized electrons per atom. Chemical Physics, 2002, 278, 111-117.	1.9	5
18	Thermal work function shifts for polycrystalline metal surfaces. Surface Science, 2001, 478, 72-82.	1.9	36

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19	Bulk electronic structure of YbInCu_4 from photoemission: a unique test of the single impurity model. <i>Physical Review B</i> , 2000, 62, 16492-16499.	3.2	23
20	The electronic structure of $\text{La}_{0.66}\text{Ca}_{0.33}\text{MnO}_3$ and $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ studied by angle resolved photoemission. <i>Journal of Applied Physics</i> , 2000, 88, 786-789.	2.5	7
21	Electronic structure of $\hat{\Gamma}_{\pm}$ and $\hat{\Gamma}$ -Pu from photoelectron spectroscopy. <i>Physical Review B</i> , 2000, 62, 1773-1779.	3.2	132
22	Reexamination of the Electronic Structure of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8 + \hat{\Gamma}$ and $\text{Bi}_2\text{Sr}_2\text{Cu}_1\text{O}_6 + \hat{\Gamma}$: Electronlike Portions of the Fermi Surface and Depletion of Spectral Weight near $\text{M}\hat{\text{A}}^-$. <i>Physical Review Letters</i> , 1999, 83, 3717-3720.	7.8	99
23	A tunable bench top light source for photoelectron spectroscopy: first results for alpha and delta Pu. <i>Journal of Alloys and Compounds</i> , 1999, 286, 14-19.	5.5	15
24	CeSi_2 Photoemission Spectra at 5 meV Resolution. <i>Physical Review Letters</i> , 1998, 81, 1348-1348.	7.8	8
25	Strongly correlated electron systems: Photoemission and the single-impurity model. <i>Physical Review B</i> , 1997, 56, R7041-R7044.	3.2	42
26	Intrinsic Photoemission Spectra for YbB_{12} . <i>Physical Review Letters</i> , 1997, 78, 1831-1831.	7.8	13
27	The 5f band structure of antiferromagnetic USb_2 from angle-resolved photoemission spectroscopy: Application to heavy fermions. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997, 75, 603-610.	0.6	20
28	Photoelectron spectroscopy of strongly correlated Yb compounds. <i>Physical Review B</i> , 1996, 54, 17515-17535.	3.2	67
29	Momentum-dependent effects in 4f photoemission spectra from strongly correlated CeBe_{13} . <i>Physical Review B</i> , 1996, 53, 3317-3326.	3.2	59
30	Photoemission and the electronic properties of heavy fermions: limitations of the Kondo model. <i>Physica B: Condensed Matter</i> , 1995, 205, 365-370.	2.7	12
31	Evidence for possible 4f bands at $T \ll T_K$ in the heavy-fermion single crystal CePt_{2+x} . <i>Physical Review B</i> , 1995, 51, 3277-3280.	3.2	74
32	Valence-band photoemission and Auger-line-shape study of $\text{Au}_x\text{Pd}_{1-x}$. <i>Physical Review B</i> , 1994, 49, 16149-16155.	3.2	7
33	Photoemission and the lack of a Kondo scale. <i>Physical Review Letters</i> , 1994, 72, 1774-1774.	7.8	28
34	Electronic structure studies of $\text{YBa}_2\text{Cu}_3\text{O}_x$ (6.2 $\leq x \leq$ 6.9) using angle-resolved photoemission. <i>Surface Science Reports</i> , 1993, 19, 121-142.	7.2	7
35	Photoemission spectra of CeAl_3 , CeBe_{13} , CeSi_2 , and CeCu_2Si_2 : Weights and widths of the 4f emission features. <i>Physical Review B</i> , 1993, 47, 15460-15471.	3.2	36
36	Temperature-invariant valence-band 4f photoemission features in the heavy-fermion compound YbAl_3 . <i>Physical Review B</i> , 1993, 48, 9497-9507.	3.2	54

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37	Joyce and Arko reply. Physical Review Letters, 1993, 70, 1181-1182.	7.8	30
38	Electronic structure near E_F in $YBa_2Cu_3O_x$ for $6.35 \leq x \leq 6.9$: A photoemission study. Physical Review B, 1992, 45, 5614-5621.	3.2	94
39	Band-bending model for the ideal Bi/InP(110) interface. Physical Review B, 1992, 46, 12818-12821.	3.2	0
40	Temperature-invariant photoelectron spectra in cerium heavy-fermion compounds: Inconsistencies with the Kondo model. Physical Review Letters, 1992, 68, 236-239.	7.8	126
41	Comment on "Evidence of a Kondo scale from the temperature dependence of inverse photoemission spectroscopy of $CePd_3$ ". Physical Review Letters, 1992, 69, 3418-3418.	7.8	11
42	Fermi-surface topology of $YBa_2Cu_3O_x$ with varied oxygen stoichiometry: A photoemission study. Physical Review B, 1992, 46, 11056-11068.	3.2	122
43	Inconsistencies with the single-impurity Anderson model in photoelectron spectra of cerium heavy fermion compounds. Journal of Alloys and Compounds, 1992, 181, 161-169.	5.5	3
44	Crystal fields, linewidths and temperature dependence in the photoelectron spectra of heavy fermion Ce and Yb compounds. Solid State Communications, 1992, 83, 551-554.	1.9	14
45	Photoemission in $YbCu_2Si_2$: problems with the Kondo impurity model. Journal of Magnetism and Magnetic Materials, 1992, 108, 215-216.	2.3	15
46	Photoemission and electronic structure studies of $YBa_2Cu_3O_x$. Journal of Physics and Chemistry of Solids, 1991, 52, 1437-1445.	4.0	9
47	Growth morphology and electronic structure of the Bi/GaAs(110) interface. Physical Review B, 1989, 40, 10412-10419.	3.2	44
48	Quantitative analysis of synchrotron radiation photoemission core level data. Journal of Electron Spectroscopy and Related Phenomena, 1989, 49, 31-45.	1.7	147
49	Disruption, segregation, and passivation for Pd and noble-metal overlayers on $YBa_2Cu_3O_{6.9}$. Physical Review B, 1988, 38, 232-239.	3.2	39
50	Synchrotron-radiation photoemission studies of interface formation between metals and superconductors: Al and In on $YBa_2Cu_3O_{6.9}$. Physical Review B, 1988, 37, 3741-3744.	3.2	15
51	High-resolution photoemission study of Co/Si(111) interface formation. Physical Review B, 1987, 35, 4216-4220.	3.2	77
52	Chemical trapping and modification of the Au/GaAs(110) interface using Sm interlayers. Physical Review B, 1987, 36, 1605-1611.	3.2	7
53	Core-level binding-energy shifts, thermodynamic predictions, and morphologies for metal-Si and metal-Ge interfaces. Physical Review B, 1987, 36, 4761-4768.	3.2	39
54	Chemical bonding in ordered Ce overlayers on Si(111). Physical Review B, 1987, 36, 1075-1079.	3.2	19

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55	Epitaxy, overlayer growth, and surface segregation for Co/GaAs(110) and Co/GaAs(100)-c(82). Physical Review B, 1987, 35, 2375-2384.	3.2	89
56	Silicide formation at the Ti/Si(111) interface: Room-temperature reaction and Schottky-barrier formation. Physical Review B, 1987, 35, 6213-6221.	3.2	55
57	Modeling homogeneous and heterogeneous metal/semiconductor interface reactions with photoemission and angle-resolved auger spectroscopy. Surface Science, 1986, 168, 309-322.	1.9	18
58	Interdiffusion and reaction at the Fe/GaAs(110) interface. Physical Review B, 1986, 33, 7029-7035.	3.2	100
59	Asymmetries in atomic intermixing at Au/Ge and Ge/Au interfaces. Physical Review B, 1986, 34, 5118-5124.	3.2	30
60	Soft-x-ray photoemission study of Cr-Ge intermixing on crystalline and amorphous Ge surfaces. Physical Review B, 1986, 34, 4010-4016.	3.2	1
61	Comparative study of the formation of Cr/Ge and Ge/Cr thin-film interfaces. Physical Review B, 1986, 33, 8039-8047.	3.2	9
62	Photoemission study of the development of the Ti/GaAs(110) interface. Physical Review B, 1986, 33, 2191-2197.	3.2	33
63	Photoemission and x-ray studies of metal hydrides and hydride formation at metal/hydride interfaces. Solid State Communications, 1985, 55, 1089-1091.	1.9	1
64	Critical development stages for the reactive Cr-GaAs(110) interface. Physical Review B, 1985, 31, 5348-5354.	3.2	43
65	Adatom aggregation, reaction, and chemical trapping at the Sm/GaAs(110) interface. Physical Review B, 1985, 32, 962-968.	3.2	40
66	4f photoemission from Ce clusters and disordered reaction products at Ce/Si and Ce/GaAs interfaces. Physical Review B, 1985, 31, 8291-8294.	3.2	21
67	Cluster formation and atomic intermixing at the reactive V/Ge(111) interface. Physical Review B, 1985, 32, 5149-5155.	3.2	26
68	Reactions at a rare-earth-GaAs interface: Ce/GaAs(110). Physical Review B, 1985, 31, 5290-5296.	3.2	41
69	Cluster-Induced Reactions at a Metal-Semiconductor Interface: Ce on Si(111). Physical Review Letters, 1984, 53, 2331-2334.	7.8	77
70	Modeling a heterogeneous metal/semiconductor interface: Ce on Si(111). Physical Review B, 1984, 30, 7370-7373.	3.2	49