

John Joyce

List of Publications by Year in descending order

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70
papers

2,839
citations

126907

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168389

53
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70
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docs citations

70
times ranked

1509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Momentum-dependent effects in 4f photoemission spectra from strongly correlated CeBe ₁₃ . Physical Review B, 1996, 53, 3317-3326. | 3.2 | 59 |
| 20 | 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 |
| 21 | Temperature-invariant valence-band 4f photoemission features in the heavy-fermion compound YbAl ₃ . Physical Review B, 1993, 48, 9497-9507. | 3.2 | 54 |
| 22 | Controlling Oxidation States in Uranium Oxides through Epitaxial Stabilization. Advanced Materials, 2007, 19, 3559-3563. | 21.0 | 53 |
| 23 | Modeling a heterogeneous metal/semiconductor interface: Ce on Si(111). Physical Review B, 1984, 30, 7370-7373. | 3.2 | 49 |
| 24 | Growth morphology and electronic structure of the Bi/GaAs(110) interface. Physical Review B, 1989, 40, 10412-10419. | 3.2 | 44 |
| 25 | Critical development stages for the reactive Cr-GaAs(110) interface. Physical Review B, 1985, 31, 5348-5354. | 3.2 | 43 |
| 26 | Strongly correlated electron systems: Photoemission and the single-impurity model. Physical Review B, 1997, 56, R7041-R7044. | 3.2 | 42 |
| 27 | Reactions at a rare-earth GaAs interface: Ce/GaAs(110). Physical Review B, 1985, 31, 5290-5296. | 3.2 | 41 |
| 28 | Adatom aggregation, reaction, and chemical trapping at the Sm/GaAs(110) interface. Physical Review B, 1985, 32, 962-968. | 3.2 | 40 |
| 29 | 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 |
| 30 | Disruption, segregation, and passivation for Pd and noble-metal overlayers on YBa ₂ Cu ₃ O _{6.9} . Physical Review B, 1988, 38, 232-239. | 3.2 | 39 |
| 31 | Photoemission spectra of CeAl ₃ , CeBe ₁₃ , CeSi ₂ , and CeCu ₂ Si ₂ : Weights and widths of the 4f emission features. Physical Review B, 1993, 47, 15460-15471. | 3.2 | 36 |
| 32 | Thermal work function shifts for polycrystalline metal surfaces. Surface Science, 2001, 478, 72-82. | 1.9 | 36 |
| 33 | Photoemission study of the development of the Ti/GaAs(110) interface. Physical Review B, 1986, 33, 2191-2197. | 3.2 | 33 |
| 34 | Asymmetries in atomic intermixing at Au/Ge and Ge/Au interfaces. Physical Review B, 1986, 34, 5118-5124. | 3.2 | 30 |
| 35 | Joyce and Arko reply. Physical Review Letters, 1993, 70, 1181-1182. | 7.8 | 30 |
| 36 | Direct Observation of Itinerant Magnetism in the 5f-Electron System UTe. Physical Review Letters, 2004, 93, 267205. | 7.8 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Photoemission and the lack of a Kondo scale. Physical Review Letters, 1994, 72, 1774-1774. | 7.8 | 28 |
| 38 | Cluster formation and atomic intermixing at the reactive V/Ge(111) interface. Physical Review B, 1985, 32, 5149-5155. | 3.2 | 26 |
| 39 | Bulk electronic structure of YbInCu ₄ from photoemission: a unique test of the single impurity model. Physical Review B, 2000, 62, 16492-16499. | 3.2 | 23 |
| 40 | 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 |
| 41 | Observation of a kink in the dispersion of f-electrons. Europhysics Letters, 2008, 84, 37003. | 2.0 | 21 |
| 42 | The 5f band structure of antiferromagnetic USb ₂ from angle-resolved photoemission spectroscopy: Application to heavy fermions. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1997, 75, 603-610. | 0.6 | 20 |
| 43 | Chemical bonding in ordered Ce overlayers on Si(111). Physical Review B, 1987, 36, 1075-1079. | 3.2 | 19 |
| 44 | Modeling homogeneous and heterogeneous metal/semiconductor interface reactions with photoemission and angle-resolved auger spectroscopy. Surface Science, 1986, 168, 309-322. | 1.9 | 18 |
| 45 | A comparison of hybrid density functional theory with photoemission of surface oxides of δ -plutonium. Surface Science, 2006, 600, 1637-1640. | 1.9 | 17 |
| 46 | Synchrotron-radiation photoemission studies of interface formation between metals and superconductors: Al and In on YBa ₂ Cu ₃ O _{6.9} . Physical Review B, 1988, 37, 3741-3744. | 3.2 | 15 |
| 47 | Photoemission in YbCu ₂ Si ₂ : problems with the Kondo impurity model. Journal of Magnetism and Magnetic Materials, 1992, 108, 215-216. | 2.3 | 15 |
| 48 | A tunable bench top light source for photoelectron spectroscopy: first results for alpha and delta Pu. Journal of Alloys and Compounds, 1999, 286, 14-19. | 5.5 | 15 |
| 49 | Preparation of Epitaxial Uranium Dicarbide Thin Films by Polymer-Assisted Deposition. Chemistry of Materials, 2013, 25, 4373-4377. | 6.7 | 15 |
| 50 | 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 |
| 51 | Intrinsic Photoemission Spectra for YbB ₁₂ . Physical Review Letters, 1997, 78, 1831-1831. | 7.8 | 13 |
| 52 | 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 |
| 53 | Photoemission and the electronic properties of heavy fermions: limitations of the Kondo model. Physica B: Condensed Matter, 1995, 205, 365-370. | 2.7 | 12 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Comparative study of the formation of Cr/Ge and Ge/Cr thin-film interfaces. Physical Review B, 1986, 33, 8039-8047. | 3.2 | 9 |
| 56 | Photoemission and electronic structure studies of YBa ₂ Cu ₃ O _x . Journal of Physics and Chemistry of Solids, 1991, 52, 1437-1445. | 4.0 | 9 |
| 57 | Electronic structure of layered uranium compounds from photoemission spectroscopy. Surface Science, 2006, 600, 1632-1636. | 1.9 | 9 |
| 58 | CeSi ₂ Photoemission Spectra at 5 meV Resolution. Physical Review Letters, 1998, 81, 1348-1348. | 7.8 | 8 |
| 59 | Chemical trapping and modification of the Au/GaAs(110) interface using Sm interlayers. Physical Review B, 1987, 36, 1605-1611. | 3.2 | 7 |
| 60 | Electronic structure studies of YBa ₂ Cu ₃ O _x (6.2% \tilde{A} — \tilde{A} %6.9) using angle-resolved photoemission. Surface Science Reports, 1993, 19, 121-142. | 7.2 | 7 |
| 61 | Valence-band photoemission and Auger-line-shape study of Au _x Pd _{1-x} . Physical Review B, 1994, 49, 16149-16155. | 3.2 | 7 |
| 62 | The electronic structure of La _{0.66} Ca _{0.33} MnO ₃ and La _{1.2} Sr _{1.8} Mn ₂ O ₇ studied by angle resolved photoemission. Journal of Applied Physics, 2000, 88, 786-789. | 2.5 | 7 |
| 63 | He discharge lamp for photoemission experiments with radioactive materials. Review of Scientific Instruments, 2002, 73, 3750-3753. | 1.3 | 6 |
| 64 | Notes on the Dual Nature of 5f Electrons. Journal of the Physical Society of Japan, 2006, 75, 39-40. | 1.6 | 6 |
| 65 | Surface energy calculation \hat{e} metals with 1 and 2 delocalized electrons per atom. Chemical Physics, 2002, 278, 111-117. | 1.9 | 5 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Localized and Itinerant States in Pu Materials. Materials Research Society Symposia Proceedings, 2005, 893, 1. | 0.1 | 1 |
| 70 | Band-bending model for the ideal Bi/InP(110) interface. Physical Review B, 1992, 46, 12818-12821. | 3.2 | 0 |