

Charles Fadley

List of Publications by Year in descending order

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42
papers

2,334
citations

279487

23
h-index

264894

42
g-index

50
all docs

50
docs citations

50
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	Hard x-ray standing-wave photoemission insights into the structure of an epitaxial Fe/MgO multilayer magnetic tunnel junction. Journal of Applied Physics, 2019, 126, 075305.	1.1	9
2	An Efficient Algorithm for Automatic Structure Optimization in X-ray Standing-Wave Experiments. Journal of Electron Spectroscopy and Related Phenomena, 2019, 230, 10-20.	0.8	12
3	Interface properties and built-in potential profile of a		
4	Characterization of free-standing InAs quantum membranes by standing wave hard x-ray photoemission spectroscopy. Physical Review B, 2018, 98, 041407.	1.1	22
5	Characterization of free-standing InAs quantum membranes by standing wave hard x-ray photoemission spectroscopy. APL Materials, 2018, 6, .	2.2	11
6	Energetic, spatial, and momentum character of the electronic structure at a buried interface: The two-dimensional electron gas between two metal oxides. Physical Review B, 2016, 93, .	1.1	29
7	Superconductor to Mott insulator transition in YBa ₂ Cu ₃ O ₇ /LaCaMnO ₃ heterostructures. Scientific Reports, 2016, 6, 33184.	1.6	10
8	Interface Engineering to Create a Strong Spin Filter Contact to Silicon. Scientific Reports, 2016, 6, 22912.	1.6	28
9	Satellite band structure in silicon caused by electron-plasmon coupling. Physical Review B, 2015, 91, .	1.1	43
10	Progress toward time-resolved molecular imaging: A theoretical study of optimal parameters in static photoelectron holography. Physical Review A, 2014, 89, .	1.0	10
11	Effect of capping material on interfacial ferromagnetism in FeRh thin films. Journal of Applied Physics, 2014, 115, .	1.1	45
12	Strong interlayer coupling in van der Waals heterostructures built from single-layer chalcogenides. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6198-6202.	3.3	970
13	Making use of x-ray optical effects in photoelectron-, Auger electron-, and x-ray emission spectroscopies: Total reflection, standing-wave excitation, and resonant effects. Journal of Applied Physics, 2013, 113, .	1.1	47
14	Band offsets in complex-oxide thin films and heterostructures of SrTiO ₃ /LaNiO ₃ and SrTiO ₃ /GdTiO ₃ by soft and hard X-ray photoelectron spectroscopy. Journal of Applied Physics, 2013, 113, .	1.1	29
15	Electronic structure of delta-doped La:SrTiO ₃ layers by hard x-ray photoelectron spectroscopy. Applied Physics Letters, 2012, 100, 261603.	1.5	25
16	Nondestructive characterization of a TiN metal gate: Chemical and structural properties by means of standing-wave hard x-ray photoemission spectroscopy. Journal of Applied Physics, 2012, 112, .	1.1	12
17	Observation of boron diffusion in an annealed Ta/CoFeB/MgO magnetic tunnel junction with standing-wave hard x-ray photoemission. Applied Physics Letters, 2012, 101, .	1.5	64
18	Temperature-driven nucleation of ferromagnetic domains in FeRh thin films. Applied Physics Letters, 2012, 100, .	1.5	79

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19	Electronic structure of EuO spin filter tunnel contacts directly on silicon. Physica Status Solidi - Rapid Research Letters, 2011, 5, 441-443.	1.2	28
20	Chemical stability of the magnetic oxide EuO directly on silicon observed by hard x-ray photoemission spectroscopy. Physical Review B, 2011, 84, .	1.1	46
21	Insulating state of ultrathin epitaxial LaNiO ₃ thin films detected by hard x-ray photoemission. Physical Review B, 2011, 84, .	1.1	35
22	Hard x-ray photoemission study of near-Heusler Fe ₂ Si _{1-x} alloys. Physical Review B, 2011, 83, .	1.1	13
23	Interface properties of magnetic tunnel junction La _{0.7} Physical Review B, 2010, 82, .	1.1	71
24	Report on the 47th IUVSTA Workshop "Angle-Resolved XPS: the current status and future prospects for angle-resolved XPS of nano and subnano films". Surface and Interface Analysis, 2009, 41, 840-857.	0.8	40
25	Temperature-dependent evolution of the electronic and local atomic structure in the cubic colossal magnetoresistive manganite La _{1-x} Sr _x MnO ₃ studied by	1.2	15
26	Probing multilayer spintronic structures with photoelectron and x-ray emission spectroscopies excited by x-ray standing waves (invited). Journal of Applied Physics, 2008, 103, 07C519.	1.1	35
27	Determination of buried interface composition and magnetism profiles using standing-wave excited soft x-ray emission and inelastic scattering. Journal of Applied Physics, 2008, 103, 083515.	1.1	8
29	Bulk electronic properties of the bilayered manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ from hard-x-ray photoemission. Physical Review B, 2007, 75, .	1.1	15
30	Ten years of x-ray holography. X-Ray Spectrometry, 2007, 36, 3-10.	0.9	17
31	Observation and resonant x-ray optical interpretation of multi-atom resonant photoemission effects in O 1s emission from NiO. Physical Review B, 2006, 74, .	1.1	11
32	Temperature-dependent x-ray absorption spectroscopy of colossal magnetoresistive perovskites. Physical Review B, 2005, 71, .	1.1	41
33	O 2p hole-assisted electronic processes in the Pr _{1-x} Sr _x MnO ₃ (x=0.0, 0.3) system. Physical Review B, 2004, 70, .	1.1	26
34	Spectroscopic Characterization of Buried Interfaces Using Soft X-ray Standing Waves. Synchrotron Radiation News, 2004, 17, 24-29.	0.2	12
35	Multiatom resonant photoemission. Physical Review B, 2001, 63, .	1.1	64
36	Magnetic dichroism in core-level photoemission from Gd(0001). Journal of Applied Physics, 2000, 87, 4900-4902.	1.1	3

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37	Electron correlation effects at the Gd(0001) surface. Journal of Applied Physics, 2000, 87, 5878-5880.	1.1	10
38	Observation of a Ferromagnetic-to-Paramagnetic Phase Transition on a Ferromagnetic Surface Using Spin-Polarized Photoelectron Diffraction: Gd(0001). Physical Review Letters, 1998, 81, 2360-2363.	2.9	37
39	Equivalent-core calculation of core-level relaxation energies in photoelectron spectroscopy: A molecular-orbital approach. Journal of Chemical Physics, 1998, 109, 6527-6532.	1.2	9
40	PHOTOELECTRON DIFFRACTION: SPACE, TIME, AND SPIN DEPENDENCE OF SURFACE STRUCTURES. Surface Review and Letters, 1997, 04, 421-440.	0.5	27
41	Interface Structures of Ordered Fe and Gd Overlayers on W(110) from Photoelectron Diffraction. Physical Review Letters, 1997, 79, 2085-2088.	2.9	42
42	Multiple-Energy X-Ray Holography: Atomic Images of Hematite (Fe ₂ O ₃). Physical Review Letters, 1996, 76, 3132-3135.	2.9	251