W F Pong

List of Publications by Year
in descending order

73 papers	1,889 citations	201575 27 h-index	276775 41 g-index
75 all docs	75 docs citations	75 times ranked	2963 citing authors

#	Article	IF	Citations
1	Quantum Confinement Effect in Diamond Nanocrystals Studied by X-Ray-Absorption Spectroscopy. Physical Review Letters, 1999, 82, 5377-5380.	2.9	118
2	The Effect of Thermal Reduction on the Photoluminescence and Electronic Structures of Graphene Oxides. Scientific Reports, 2014, 4, 4525.	1.6	106
3	Electronic structure of ZnO nanorods studied by angle-dependent x-ray absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2004, 84, 3462-3464.	1.5	105
4	Diameter dependence of the electronic structure of ZnO nanorods determined by x-ray absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2004, 85, 3220-3222.	1.5	98
5	Correlation between Electronic Structures and Photocatalytic Activities of Nanocrystalline-(Au, Ag,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	74
6	Electronic structure of Ni-Cu alloys:â€ƒThed-electron charge distribution. Physical Review B, 1998, 57, 15204-15210.	1.1	69
7	Nano-scale chemical imaging of a single sheet of reduced graphene oxide. Journal of Materials Chemistry, 2011, 21, 14622.	6.7	64
8	Graphene Supported Graphone/Graphane Bilayer Nanostructure Material for Spintronics. Scientific Reports, 2014, 4, 3862.	1.6	55
9	Electronic structure of the carbon nanotube tips studied by x-ray-absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2002, 81, 4189-4191.	1.5	54
10	Effect of geometry on the magnetic properties of CoFe2O4â€“PbTiO3 multiferroic composites. RSC Advances, 2013, 3, 7884.	1.7	53
11	Nitrogen-Functionalized Graphene Nanoflakes (GNFs:N): Tunable Photoluminescence and Electronic Structures. Journal of Physical Chemistry C, 2012, 116, 16251-16258.	1.5	51
12	Structural, electrical transport and x-ray absorption spectroscopy studies of LaFe1â^'xNixO3 (xâ©½0.6). Journal of Applied Physics, 2005, 97, 093526.	1.1	49
13	Field emission enhancement in nitrogen-ion-implanted ultrananocrystalline diamond films. Journal of Applied Physics, 2008, 103, .	1.1	46
14	Origin of magnetic properties in carbon implanted ZnO nanowires. Scientific Reports, 2018, 8, 7758.	1.6	40
15	Electronic structure of GaN nanowire studied by x-ray-absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2003, 82, 3949-3951.	1.5	39
16	X-ray absorption spectroscopy (XAS) study of dip deposited a-C:H(OH) thin films. Journal of Physics Condensed Matter, 2004, 16, 5713-5719.	0.7	39
17	Effect of Co, Ni, and Cu substitution on the electronic structure of hexagonal YMnO3 studied by x-ray absorption spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	39
18	Charge transfer and hybridization effects in Ni3Al and Ni3Ga studies by x-ray-absorption spectroscopy and theoretical calculations. Journal of Applied Physics, 2000, 87, 1312-1317.	1.1	35

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19	Comparison of the electronic structures of Zn1âˆ’xCoxO and Zn1âˆ’xMgxO nanorods using x-ray absorption and scanning photoelectron microscopies. Applied Physics Letters, 2006, 89, 043121.	1.5	35
20	Electronic and atomic structures of the Si-C-N thin film by x-ray-absorption spectroscopy and theoretical calculations. Physical Review B, 1998, 58, 9018-9024.	1.1	34
21	Understanding of sub-band gap absorption of femtosecond-laser sulfur hyperdoped silicon using synchrotron-based techniques. Scientific Reports, 2015, 5, 11466.	1.6	34
22	Defect induced room temperature ferromagnetism in single crystal, poly-crystal, and nanorod ZnO: A comparative study. Journal of Applied Physics, 2018, 123, .	1.1	32
23	Angle-dependent x-ray absorption spectroscopy study of Zn-doped GaN. Applied Physics Letters, 2002, 81, 3389-3391.	1.5	31
24	Correlation between electrochromism and electronic structures of tungsten oxide films. RSC Advances, 2014, 4, 5036.	1.7	31
25	Visualizing chemical states and defects induced magnetism of graphene oxide by spatially-resolved-X-ray microscopy and spectroscopy. Scientific Reports, 2015, 5, 15439.	1.6	31
26	Coexistence of intrinsic and extrinsic origins of room temperature ferromagnetism in as implanted and thermally annealed ZnO films probed by x-ray absorption spectroscopy. Journal of Applied Physics, 2013, 113, .	1.1	30
27	Charge transfer in nanocrystalline-Auâ•ZnO nanorods investigated by x-ray spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2007, 90, 192112.	1.5	29
28	Electronic structure of the Fe-layer-catalyzed carbon nanotubes studied by x-ray-absorption spectroscopy. Applied Physics Letters, 2001, 79, 3179-3181.	1.5	28
29	The Electronic Properties of Nanomaterials Elucidated by Synchrotron Radiationâ€“Based Spectroscopy. Critical Reviews in Solid State and Materials Sciences, 2006, 31, 91-110.	6.8	27
30	Electronic structures and bonding properties of chlorine-treated nitrogenated carbon nanotubes: X-ray absorption and scanning photoelectron microscopy studies. Applied Physics Letters, 2007, 90, 192107.	1.5	27
31	Mg-induced increase of band gap in Zn1âˆ’xMgxO nanorods revealed by x-ray absorption and emission spectroscopy. Journal of Applied Physics, 2008, 104, 013709.	1.1	25
32	Deposition and Characterization of Diamond-Like Carbon Thin Films by Electro-Deposition Technique Using Organic Liquid. Journal of Materials Research, 2004, 19, 1126-1132.	1.2	22
33	Tuning of electronic and magnetic properties of multifunctional r-GO-ATA-Fe2O3-composites for magnetic resonance imaging (MRI) contrast agent. Journal of Applied Physics, 2019, 126, .	1.1	21
34	Field emission effects of nitrogenated carbon nanotubes on chlorination and oxidation. Journal of Applied Physics, 2008, 104, 063710.	1.1	18
35	Size dependence of the electronic structures and electron-phonon coupling in ZnO quantum dots. Applied Physics Letters, 2007, 91, .	1.5	16
36	A comparative study of the electronic structures of oxygen- and chlorine-treated nitrogenated carbon nanotubes by x-ray absorption and scanning photoelectron microscopy. Applied Physics Letters, 2007, 91, 202102.	1.5	16

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37	Atomic-scale observation of a graded polar discontinuity and a localized two-dimensional electron density at an insulating oxide interface. Physical Review B, 2013, 87, .	1.1	16
38	Effect of defects and film thickness on the optical properties of ZnOâ€“Au hybrid films. RSC Advances, 2015, 5, 40813-40819.	1.7	16
39	Anisotropy in the thermal hysteresis of resistivity and charge density wave nature of single crystal SrFeO3-î: X-ray absorption and photoemission studies. Scientific Reports, 2017, 7, 161.	1.6	16
40	Polyacrylate grafted graphene oxide nanocomposites for biomedical applications. Journal of Applied Physics, 2020, 127, .	1.1	16
41	Role of valence-band Co 3d states on ferromagnetism in Zn1â^'xCoxO nanorods. Applied Physics Letters, 2007, 90, 062103.	1.5	15
42	ELECTRONIC STRUCTURES OF La0.7Ca0.3MnO3 AND La0.7Ce0.3MnO3 BY X-RAY ABSORPTION SPECTROSCOPY. Surface Review and Letters, 2002, 09, 1053-1057.	0.5	14
43	Change of Structural Behaviors of Organo-Silane Exposed Graphene Nanoflakes. Journal of Physical Chemistry C, 2010, 114, 8161-8166.	1.5	14
44	Comparison of electronic structures of RuO2 and IrO2 nanorods investigated by x-ray absorption and scanning photoelectron microscopy. Applied Physics Letters, 2007, 90, 042108.	1.5	13
45	Photoconduction and the electronic structure of silica nanowires embedded with gold nanoparticles. Physical Review B, 2011, 84, .	1.1	13
46	X-ray absorption studies of carbon-related materials. Journal of Synchrotron Radiation, 2001, 8, 145-149.	1.0	12
47	Structural characterization of the Co/Cr multilayers by x-ray-absorption spectroscopy. Physical Review B, 2000, 62, 9616-9620.	1.1	11
48	Determination of the microstructure of Eu-treated ZnO nanowires by x-ray absorption. Applied Physics Letters, 2010, 96, 062112.	1.5	11
49	Tuning of the electronic structure and magnetic properties of xenon ion implanted zinc oxide. Journal Physics D: Applied Physics, 2018, 51, 095304.	1.3	11
50	Local atomic and electronic structures and ferroelectric properties of PbZr0.52Ti0.48O3: An x-ray absorption study. Applied Physics Letters, 2011, 99, 042909.	1.5	10
51	Electronic structure of the Feâ€“Cuâ€“Nbâ€“Siâ€“B alloys by x-ray absorption spectroscopy. Applied Physics Letters, 2000, 77, 115-117.	1.5	9
52	Correlation between<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type conductivity and electronic structure of Cr-deficient CuCr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>O<mml:m	1.1	9
53	Correlation between magnetic properties and the electronic structures of soft magnetic ternary Fe78â^'xYxB22(x= 4â€“9) bulk metallic glasses. Journal of Physics Condensed Matter, 2008, 20, 465105.	0.7	7
54	Correlations and dynamics of spins in an XY-like spin-glass<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /O	1.1	6

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55	Anisotropy in the magnetic interaction and lattice-orbital coupling of single crystal Ni3TeO6. Scientific Reports, 2018, 8, 15779.	1.6	6
56	Temperature-Dependent Electronic Structure of TiO₂ Thin Film Deposited by the Radio Frequency Reactive Magnetron Sputtering Technique: X ray Absorption Near-Edge Structure and X ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2022, 126, 8947-8952.	1.5	6
57	A low-cost and flexible double-crystal monochromator for an x-ray beamline. Review of Scientific Instruments, 1998, 69, 1230-1235.	0.6	5
58	Effect of Oxygen Concentration on Superconducting Properties of Rubidium Tungsten Bronzes Rb x WO y. Journal of Superconductivity and Novel Magnetism, 2007, 20, 249-253.	0.8	4
59	Fabrication and 3D Patterning of Bioâ€Composite Consisting of Carboxymethylated Cellulose Nanofibers and Cobalt Ferrite Nanoparticles. ChemistrySelect, 2019, 4, 4416-4421.	0.7	4
60	Pong, Tsai, and Chang Reply:. Physical Review Letters, 2000, 84, 5680-5680.	2.9	3
61	EFFECT OF THE ANNEALING TEMPERATURE ON THE ELECTRONIC AND ATOMIC STRUCTURES OF EXCHANGE-BIASED NiFeâ€“FeMn BILAYERS. Surface Review and Letters, 2002, 09, 293-298.	0.5	3
62	Evolution of superconductivity in K _{2â^'x} Fe _{4+y} Se ₅ : Spectroscopic studies of X-ray absorption and emission. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22458-22463.	3.3	3
63	Effects of electronic structure and magnetic performance at the surface/interface of r-GO and TiO₂ in r-GO/TiO₂ composite thin films: X-ray absorption near-edge structure and x-ray photoelectron spectroscopy. AIP Advances, 2022, 12, 075101.	0.6	3
64	Strain effect on orbital and magnetic structures of Mn ions in epitaxial Nd0.35Sr0.65MnO3/SrTiO3 films using X-ray diffraction and absorption. Scientific Reports, 2019, 9, 5160.	1.6	2
65	Possible Ferro-electro-magnetic performance of â€œreduced graphene oxideâ€•deposited on â€œZnO-nanorod (NR) decorated with nanocrystalline (nc) Au particlesâ€• AIP Advances, 2022, 12, .	0.6	2
66	Electron- and Hole-Doping Effects in Manganites Studied by X-Ray Absorption Spectroscopy. Hyperfine Interactions, 2005, 160, 181-187.	0.2	1
67	X-ray absorption spectroscopic study on Ti/n-GaN. Physica Status Solidi A, 2005, 202, R161-R163.	1.7	1
68	STRUCTURE AND PROPERTIES OF (La2-xSrx)MnO4 COMPOUNDS. International Journal of Modern Physics B, 2005, 19, 541-548.	1.0	1
69	Electronic Structures of Hexagonal Manganites HoMnO3 Studied by X-ray Absorption Near-edge Structure. AIP Conference Proceedings, 2007, , .	0.3	1
70	Electronic Structure of EuMo6Se8 Studied by X-Ray Absorption Spectroscopy. Journal of Cluster Science, 2009, 20, 205-211.	1.7	1
71	The effect of orbital-lattice coupling on the electrical resistivity of YBaCuFeO5 investigated by X-ray absorption. Scientific Reports, 2019, 9, 18586.	1.6	1
72	Electronic structure of BaTiO[sub 3] by X-ray absorption spectroscopy. AIP Conference Proceedings, 2001, , .	0.3	0

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73	STRUCTURAL AND MAGNETIC PROPERTIES OF (R_{0.5}A0.5)NIO₃ PEROVSKITES (R = GD, YB AND A = CE, TH). International Journal of Modern Physics B, 2007, 21, 3443-3447.	1.0	0