

Kurash Ibrahim

List of Publications by Year in descending order

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5108
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic-structure evolution of SrFeO ₃ during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	1.8	4
2	Electronic states driven by the crystal field in two-dimensional materials: The case of antimonene. Physical Review B, 2022, 105, .	3.2	3
3	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. International Journal of Hydrogen Energy, 2021, 46, 13061-13069.	7.1	5
4	In-plane crystal field constrained electronic structure of stanene. Applied Physics Letters, 2020, 116, .	3.3	7
5	Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/Bi ₂ Te ₃ . Journal of Physical Chemistry C, 2020, 124, 4917-4924.	3.1	12
6	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, .	2.4	5
7	Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329.	9.1	61
8	Oxygen vacancy induced electronic structure variation in the La _{0.2} Sr _{0.8} MnO ₃ thin film. AIP Advances, 2019, 9, .	1.3	21
9	Analyze chemisorbed organic/metal interface by combining the two sub-interfaces model and the integer charge transfer model. AIP Advances, 2019, 9, 045122.	1.3	2
10	Interaction between the Non-Fullerene Acceptor ITIC and Potassium. ACS Omega, 2019, 4, 8087-8093.	3.5	1
11	Electronic structure evolutions driven by oxygen vacancy in SrCoO ₃ films. Science China Materials, 2019, 62, 1162-1168.	6.3	27
12	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. Materials, 2019, 12, 805.	2.9	8
13	Anisotropic electronic structure of antimonene. Applied Physics Letters, 2019, 115, .	3.3	15
14	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO _{2.5} Thin Films by Tuning the Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 10211-10219.	8.0	31
15	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139.	9.1	219
16	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO ₃ based ferroelectric thin films. Journal of Alloys and Compounds, 2018, 742, 351-355.	5.5	25
17	Epitaxially grown monolayer VSe ₂ : an air-stable magnetic two-dimensional material with low work function at edges. Science Bulletin, 2018, 63, 419-425.	9.0	92
18	Tuning Bifunctional Oxygen Electrocatalysts by Changing the Site Rare Earth Element in Perovskite Nickelates. Advanced Functional Materials, 2018, 28, 1803712.	14.9	122

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19	Charge Transfer at Hybrid Organic-Inorganic Interface. <i>Acta Physica Polonica A</i> , 2018, 134, 434-437.	0.5	0
20	In situ study on the thermal stability and interfaces properties of Er ₂ O ₃ /Al ₂ O ₃ /Si multi stacked films by X-ray photoelectron spectroscopy. <i>Superlattices and Microstructures</i> , 2017, 104, 415-421.	3.1	4
21	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	35
22	Electronic structure of La ₂ O ₃ /Si interface by in situ photoemission spectroscopy. <i>Materials Letters</i> , 2017, 191, 97-100.	2.6	3
23	An experimental study of the local electronic structure of B-site gallium doped bismuth ferrite powders. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2367-2373.	2.1	19
24	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. <i>Nature Materials</i> , 2017, 16, 717-721.	27.5	150
25	Local electronic structure analysis of Zn-doped BiFeO ₃ powders by X-ray absorption fine structure spectroscopy. <i>Journal of Alloys and Compounds</i> , 2017, 710, 843-849.	5.5	26
26	Epitaxial Growth and Air Stability of Monolayer Antimonene on PdTe ₂ . <i>Advanced Materials</i> , 2017, 29, 1605407.	21.0	313
27	Electronic structures of 1-ML C84/Ag(111): Energy level alignment and work function variation. <i>Surface Science</i> , 2017, 666, 23-27.	1.9	1
28	Reaction of PC61BM Film with Potassium. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19097-19103.	3.1	5
29	Correspondence between the electronic structure and phase separation in a K-doped FeSe system. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 395503.	1.8	6
30	The Origin of Oxygen Vacancies Controlling La _{2/3} Sr _{1/3} MnO ₃ Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500753.	3.7	73
31	Spontaneous Formation of a Superconductor "Topological Insulator" Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016, 28, 5013-5017.	21.0	24
32	Influence of nitrogen and magnesium doping on the properties of ZnO films. <i>Chinese Physics B</i> , 2016, 25, 076105.	1.4	7
33	Observation of selective surface element substitution in FeTe _{0.5} Se _{0.5} superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. <i>Chinese Physics B</i> , 2016, 25, 097402.	1.4	7
34	Electronic structure of antimonene grown on Sb ₂ Te ₃ (111) and Bi ₂ Te ₃ substrates. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	143
35	An in situ resonant photoemission and x-ray absorption study of the BiFeO ₃ thin film. <i>Ceramics International</i> , 2016, 42, 10624-10630.	4.8	10
36	Well-saturated ferroelectric polarization in PbTiO ₃ "SmFeO ₃ thin films. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1473-1479.	6.0	7

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37	Fullerene-derivative PC 61 BM forms three types of phase-pure monolayer on the surface of Au(111). Surface Science, 2016, 654, 8-13.	1.9	5
38	Tunable Electronic Structures in Wrinkled 2D Transitionâ€Metalâ€Trichalcogenide (TMT) HfTe ₃ Films. Advanced Electronic Materials, 2016, 2, 1600324.	5.1	9
39	Chirality of Graphene Oxideâ€Humic Acid Sandwich Complex Induced by a Twisted, Long-Range-Ordered Nanostructure. Journal of Physical Chemistry C, 2016, 120, 25789-25795.	3.1	17
40	Electronic structure and room temperature ferromagnetism of C doped TiO ₂ . Solid State Communications, 2016, 243, 7-11.	1.9	15
41	Electronic structure evolution of single bilayer Bi(1â€1) film on 3D topological insulator Bi ₂ Se ₃ surfaces. Journal of Physics Condensed Matter, 2016, 28, 255501.	1.8	14
42	Measurement of core level and band offsets at the interface of ITO/Hg ₃ In ₂ Te ₆ (110) heterojunction by synchrotron radiation photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 24-28.	1.7	4
43	Hydrogen Impurity Defects in Rutile TiO ₂ . Scientific Reports, 2015, 5, 17634.	3.3	47
44	Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. AIP Advances, 2015, 5, 047149.	1.3	8
45	Temperature effect on the electronic structure of Nb:SrTiO ₃ (100) surface. Chinese Physics B, 2015, 24, 027901.	1.4	5
46	Structure and catalytic activities of ferrous centers confined on the interface between carbon nanotubes and humic acid. Nanoscale, 2015, 7, 2651-2658.	5.6	7
47	Photoelectric characteristics of silicon Pâ€N junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. Chinese Physics B, 2014, 23, 096101.	1.4	0
48	Band gap engineering of TiO ₂ through hydrogenation. Applied Physics Letters, 2014, 105, .	3.3	39
49	Hole Carriers Doping Effect on the Metalâ€Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. Journal of Physical Chemistry C, 2014, 118, 12837-12844.	3.1	24
50	Fullerene film on metal surface: Diffusion of metal atoms and interface model. Applied Physics Letters, 2014, 104, .	3.3	8
51	Structural analysis and magnetic properties of Gd doped BiFeO ₃ ceramics. Ceramics International, 2014, 40, 14083-14089.	4.8	46
52	Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film. Chinese Physics B, 2013, 22, 026101.	1.4	4
53	Multiferroics and electronic structure of (1â€x)PbTiO ₃ â€xBi(Ni _{1/2} Ti _{1/2})O ₃ thin films. Thin Solid Films, 2013, 542, 155-159.	1.8	2
54	Effects of oxygen vacancy on the electronic structure and multiferroics in solâ€gel derived Pb _{0.8} Co _{0.2} TiO ₃ thin films. Dalton Transactions, 2013, 42, 10358.	3.3	32

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55	In situ electronic structure investigation of Mn doped BiFeO ₃ thin films. Journal of Physics: Conference Series, 2013, 430, 012103.	0.4	0
56	In situ electronic structural study of VO ₂ thin film across the metal-insulator transition. Chinese Physics B, 2013, 22, 127103.	1.4	0
57	Electronic Structure of BiFe _{1-x} MnxO ₃ Thin Films Investigated by X-Ray Absorption Spectroscopy. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	17
58	XANES study of multi-walled carbon nanotubes modified by HNO ₃ vapor. Materials Letters, 2012, 72, 131-133.	2.6	4
59	Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. Nanoscale Research Letters, 2012, 7, 184.	5.7	21
60	Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. Nanoscale, 2011, 3, 3103.	5.6	12
61	Structural change of metallofullerene: an easier thermal decomposition. Nanoscale, 2011, 3, 4130.	5.6	2
62	Charge transfer dynamics of 3,4,9,10-perylene-tetracarboxylic-dianhydride molecules on Au(111) probed by resonant photoemission spectroscopy. Journal of Chemical Physics, 2011, 135, 174701.	3.0	25
63	Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. Science Bulletin, 2011, 56, 3575-3577.	1.7	6
64	Electronic states of a C ₇₀ monolayer on the surface of Ag(111). Journal of Physics Condensed Matter, 2011, 23, 395002.	1.8	4
65	The two origins of p-type conduction in transparent conducting Ga-doped SnO ₂ thin films. Materials Research Society Symposia Proceedings, 2011, 1324, 131.	0.1	0
66	Self-Construction of Core-Shell Structure by Metallofullerene-Containing Polymer. Journal of Nanoscience and Nanotechnology, 2011, 11, 2244-2250.	0.9	1
67	Direct preparation and microstructure investigation of p-type transparent conducting Ga-doped SnO ₂ thin films. Powder Diffraction, 2010, 25, S36-S39.	0.2	2
68	A comparison between powders and thin films of single-walled carbon nanotubes for the adsorption behaviors of phenylalanine and glycine by XANES study. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1449-1452.	5.1	0
69	Removal of oxidative carbonaceous fragments by annealing treatment studied by XANES. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 323-325.	1.6	1
70	Preparation and application in p-n homojunction diode of p-type transparent conducting Ga-doped SnO ₂ thin films. Thin Solid Films, 2010, 518, 5542-5545.	1.8	62
71	Surface Modification Induced Shielding Effects on Electron Orbital Coupling in Metallofullerene. Journal of Nanoscience and Nanotechnology, 2010, 10, 8625-8631.	0.9	4
72	In Vitro Model on Glass Surfaces for Complex Interactions between Different Types of Cells. Langmuir, 2010, 26, 17790-17794.	3.5	22

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73	First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of Gd@C82-Polystyrene. Journal of Physical Chemistry C, 2010, 114, 7631-7636.	3.1	11
74	Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. Journal of Physical Chemistry C, 2010, 114, 9908-9916.	3.1	100
75	Charge transfer of 1 ML C 60 /Ag(100). Chinese Physics C, 2009, 33, 996-1000.	3.7	0
76	Fine structure of K 3 C 60 photoionization cross-section oscillations. Chinese Physics C, 2009, 33, 991-995.	3.7	0
77	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. Materials Letters, 2009, 63, 431-433.	2.6	12
78	An XANES study on the modification of single-walled carbon nanotubes by nitric acid. Journal of Synchrotron Radiation, 2009, 16, 428-431.	2.4	4
79	Temperature-dependent evolution of the electronic and local atomic structure in the cubic colossal magnetoresistive manganite $La_{1-x}Sr_xMnO_3$. Physical Chemistry B, 2007, 111, 11929-11934.	3.2	35
80	Switchable Semiconductive Property of the Polyhydroxylated Metallofullerene. Journal of Physical Chemistry B, 2007, 111, 11929-11934.	2.6	19
81	Aluminium doping induced enhancement of p-d coupling in ZnO. Journal of Physics Condensed Matter, 2006, 18, 3081-3087.	1.8	11
82	X-ray absorption near-edge structure and photoelectron spectroscopy of single-walled carbon nanotubes modified by a HBr solution. Carbon, 2006, 44, 866-872.	10.3	38
83	Surface characterization of colossal magnetoresistive manganites $La_{1-x}Sr_xMnO_3$ using photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2006, 153, 37-57.	1.7	12
84	Periodical Variation of Electronic Properties in Polyhydroxylated Metallofullerene Materials. Advanced Materials, 2006, 18, 1458-1462.	21.0	27
85	Comparison of valence band x-ray photoelectron spectrum between Al-N-codoped and N-doped ZnO films. Applied Physics Letters, 2006, 88, 062110.	3.3	45
86	Electronic Characterization of the SingleWall Carbon Nanotubes a XANES Study. Physica Scripta, 2005, , 717.	2.5	1
87	Structural, magnetic properties and photoemission study of Ni-doped ZnO. Solid State Communications, 2005, 135, 430-433.	1.9	126
88	Electronic state of C60 monolayer on Ag(111) before and after Yb intercalation. Surface Science, 2005, 586, 65-73.	1.9	21
89	Surface alloying of Pb as a surfactant during epitaxial growth on Cu(111). Surface Science, 2005, 589, 1-7.	1.9	8
90	Synchrotron radiation photoemission study of Yb-intercalated C60. Physical Review B, 2005, 71, .	3.2	13

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91	Tuning Electronic Properties of Metallic Atom in Bondage to a Nanospace. Journal of Physical Chemistry B, 2005, 109, 8779-8785.	2.6	38
92	X-ray absorption and photoelectron spectroscopy studies on graphite and single-walled carbon nanotubes: Oxygen effect. Applied Physics Letters, 2005, 87, 051923.	3.3	53
93	XANES Study of Carbon Nanotubes Grown without Catalyst. Physica Scripta, 2005, , 759.	2.5	2
94	Valence state evolution of C60 deposited on Sm film. Journal of Physics Condensed Matter, 2004, 16, 4619-4624.	1.8	1
95	O ₂ phole-assisted electronic processes in the Pr _{1-x} Sr _x MnO ₃ (x=0.0, 0.3) system. Physical Review B, 2004, 70, .	3.2	26
96	O 1s2p2p Auger decay in the Pr _{1-x} Sr _x MnO ₃ (x=0.0,0.3) system with excitation energies from O K threshold through above Mn L edge. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 445-449.	1.7	1
97	Direct Observation of High-Temperature Polaronic Behavior in Colossal Magnetoresistive Manganites. Physical Review Letters, 2004, 92, 166401.	7.8	75
98	Influences of Structural Properties on Stability of Fullerenols. Journal of Physical Chemistry B, 2004, 108, 11473-11479.	2.6	139
99	Surface structure of Fe_2O_3 nanocrystal observed by O K-edge X-ray absorption spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 291-294.	1.4	18
100	Atomic and electronic structure of $(\sqrt{3}\times\sqrt{3})\text{R}_3\text{O}_2$ -In phase on Cu(111). Solid State Communications, 2003, 125, 509-514.	1.9	1
101	The interfacial structure of PPV/TiO ₂ nanocomposite. Optical Materials, 2003, 21, 573-578.	3.6	8
102	Carrier-Transport, Photoluminescence, and Electroluminescence Properties Comparison of a Series of Terbium Complexes with Different Structures. Chemistry of Materials, 2003, 15, 3728-3733.	6.7	51
103	Photoluminescence and electroluminescence properties of three ternary lutetium complexes. New Journal of Chemistry, 2003, 27, 1485.	2.8	23
104	X-ray absorption spectroscopy study of nanotubes. AIP Conference Proceedings, 2003, , .	0.4	0
105	Structural determination of titanium-oxide nanoparticles by x-ray absorption spectroscopy. Applied Physics Letters, 2002, 80, 2973-2975.	3.3	58
106	Preparation and Photoemission Spectra of Rb ₃ C ₆₀ Single-Crystal Thin Films. Chinese Physics Letters, 2002, 19, 839-842.	3.3	1
107	Atomic and Electronic Structures of Submonolayer In on Cu(111). Chinese Physics Letters, 2002, 19, 409-412.	3.3	3
108	Photoelectric behavior of nanocrystalline TiO ₂ electrode with a novel terpyridyl ruthenium complex. Solar Energy Materials and Solar Cells, 2002, 71, 261-271.	6.2	44

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109	An organic electroluminescent device made from a gadolinium complex. Solid State Communications, 2002, 121, 145-147.	1.9	13
110	Electronic structure and orientational phase transition of K3C60. Solid State Communications, 2002, 121, 257-261.	1.9	4
111	Photoluminescence and electroluminescence of the exciplex formed between a terbium ternary complex and N,N'-diphenyl-N,N'-bis(3-methylphenyl)-1,1'-diphenyl-4,4'-diamine. Physical Chemistry Chemical Physics, 2002, 4, 5895-5898.		23
112	Alternative Self-Assembled Films of Metal-Ion-Bridged 3,4,9,10-Perylenetetracarboxylic Acid on Nanostructured TiO ₂ Electrodes and Their Photoelectrochemical Properties. Journal of Physical Chemistry B, 2001, 105, 4230-4234.	2.6	22
113	Self-assembly and photoelectric properties of cerium complexes with 3, 4, 9, 10-perylenetetracarboxylic acid on nanocrystalline TiO ₂ films. Science in China Series B: Chemistry, 2001, 44, 268-275.	0.8	3
114	Ultrathin Pb film growth on Cu(111) studied by photoemission. Solid State Communications, 2001, 117, 327-332.	1.9	6
115	The colossal magnetoresistance (La _x Sn _{1-x}) _y MnO ₃ films studied by X-ray photoemission spectroscopy. Journal of Crystal Growth, 2000, 219, 404-408.	1.5	6
116	Valence band photoemission behavior of Pr _{1-x} Sr _x MnO ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 76, 14-17.	3.5	2
117	O 1s core level photoemission behavior of Pr _{1-x} Sr _x MnO ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 76, 26-30.	3.5	6
118	Study of colossal magnetoresistance material La _{1-x} Sn _x MnO ₃ epitaxial films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 76, 18-21.	3.5	4
119	Pb Surfactant-Assisted Co Film Growth on Cu (111). Chinese Physics Letters, 2000, 17, 595-597.	3.3	3
120	Highly efficient charge transfer from a trans-ruthenium bipyridine complex to nanocrystalline TiO ₂ particles. New Journal of Chemistry, 2000, 24, 567-568.	2.8	38
121	Effect of steric hindrance on photoinduced electron transfer of self-assembled monolayers of three isomeric Ru(II)-bipyridine complexes on ITO electrode. Physical Chemistry Chemical Physics, 2000, 2, 1333-1337.	2.8	4
122	Photoconductivity measurement of polymers by x-ray absorption fine structure. Journal of Applied Physics, 1999, 85, 7755-7758.	2.5	1
123	Transient optical properties of novel PbS nanoparticles coated with 2,6-O-diallyl-β-CD. Journal of Luminescence, 1999, 82, 111-114.	3.1	13
124	Research of nonlinear optical properties of copper nanoparticles. European Physical Journal D, 1999, 9, 591-594.	1.3	13
125	Electroluminescence from both a light-emitting layer and hole transport layer: spectral evidence for charge carrier tunneling injection. Chemical Physics Letters, 1998, 297, 530-536.	2.6	10
126	Beamline 4B9B and photoemission spectroscopy station in BSRF. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 409-412.	1.7	6

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127	Core shell electron binding energy behavior of C ₆₀ F ₄₂ molecule on the C ₆₀ precovered GaAs(100) surface. Journal of Electron Spectroscopy and Related Phenomena, 1996, 78, 437-440.	1.7	3
128	Surface state at the \hat{K} point of the surface Brillouin zone on Cu{111}. Physical Review B, 1996, 54, 5092-5096.	3.2	11
129	Surface State at K_{macr} - Point of Surface Brillouin Zone on Cu{111} Surface. Chinese Physics Letters, 1996, 13, 465-468.	3.3	0
130	Fragmentation of the hexafluorobenzene dication formed by photoabsorption in the 30-120 eV energy range. Journal of Chemical Physics, 1992, 96, 1931-1941.	3.0	14
131	Fragmentation of isolated polyatomic molecules induced by vacuum ultraviolet to soft X-ray photon absorption. International Journal of Mass Spectrometry and Ion Processes, 1990, 101, 273-282.	1.8	1