

Kurash Ibrahim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4040741/publications.pdf>

Version: 2024-02-01

131
papers

3,193
citations

186265

28
h-index

168389

53
g-index

132
all docs

132
docs citations

132
times ranked

5108
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial Growth and Air Stability of Monolayer Antimonene on PdTe ₂ . Advanced Materials, 2017, 29, 1605407.	21.0	313
2	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139.	9.1	219
3	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and Nanoclusters. Nature Materials, 2017, 16, 717-721.	27.5	150
4	Electronic structure of antimonene grown on Sb ₂ Te ₃ (111) and Bi ₂ Te ₃ substrates. Journal of Applied Physics, 2016, 119, .	2.5	143
5	Influences of Structural Properties on Stability of Fullerenols. Journal of Physical Chemistry B, 2004, 108, 11473-11479.	2.6	139
6	Structural, magnetic properties and photoemission study of Ni-doped ZnO. Solid State Communications, 2005, 135, 430-433.	1.9	126
7	Tuning Bifunctional Oxygen Electrocatalysts by Changing the Site Rare Earth Element in Perovskite Nickelates. Advanced Functional Materials, 2018, 28, 1803712.	14.9	122
8	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
9	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
10	Direct Observation of High-Temperature Polaronic Behavior in Colossal Magnetoresistive Manganites. Physical Review Letters, 2004, 92, 166401.	7.8	75
11	The Origin of Oxygen Vacancies Controlling La _{2/3} Sr _{1/3} MnO ₃ Electronic and Magnetic Properties. Advanced Materials Interfaces, 2016, 3, 1500753.	3.7	73
12	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
13	Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329.	9.1	61
14	Structural determination of titanium-oxide nanoparticles by x-ray absorption spectroscopy. Applied Physics Letters, 2002, 80, 2973-2975.	3.3	58
15	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
16	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
17	Hydrogen Impurity Defects in Rutile TiO ₂ . Scientific Reports, 2015, 5, 17634.	3.3	47
18	Structural analysis and magnetic properties of Gd doped BiFeO ₃ ceramics. Ceramics International, 2014, 40, 14083-14089.	4.8	46

#	ARTICLE	IF	CITATIONS
19	Comparison of valence band x-ray photoelectron spectrum between Al ³⁺ -N-codoped and N-doped ZnO films. Applied Physics Letters, 2006, 88, 062110.	3.3	45
20	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
21	Band gap engineering of TiO ₂ through hydrogenation. Applied Physics Letters, 2014, 105, .	3.3	39
22	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
23	Tuning Electronic Properties of Metallic Atom in Bondage to a Nanospace. Journal of Physical Chemistry B, 2005, 109, 8779-8785.	2.6	38
24	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
25	Temperature-dependent evolution of the electronic and local atomic structure in the cubic colossal magnetoresistive manganite $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2004, 69, 041101.	3.2	35
26	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. Applied Physics Letters, 2017, 110, .	3.3	35
27	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb _{0.8} Co _{0.2} TiO ₃ thin films. Dalton Transactions, 2013, 42, 10358.	3.3	32
28	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
29	Periodical Variation of Electronic Properties in Polyhydroxylated Metallofullerene Materials. Advanced Materials, 2006, 18, 1458-1462.	21.0	27
30	Electronic structure evolutions driven by oxygen vacancy in SrCoO _{3-x} films. Science China Materials, 2019, 62, 1162-1168.	6.3	27
31	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
32	Local electronic structure analysis of Zn-doped BiFeO ₃ powders by X-ray absorption fine structure spectroscopy. Journal of Alloys and Compounds, 2017, 710, 843-849.	5.5	26
33	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
34	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
35	Hole Carriers Doping Effect on the Metal-Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. Journal of Physical Chemistry C, 2014, 118, 12837-12844.	3.1	24
36	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017.	21.0	24

#	ARTICLE	IF	CITATIONS
37	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. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5895-5898.		23
38	Photoluminescence and electroluminescence properties of three ternary lutetium complexes. <i>New Journal of Chemistry</i> , 2003, 27, 1485.	2.8	23
39	Alternative Self-Assembled Films of Metal-Ion-Bridged 3,4,9,10-Perylenetetracarboxylic Acid on Nanostructured TiO ₂ Electrodes and Their Photoelectrochemical Properties. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4230-4234.	2.6	22
40	In Vitro Model on Glass Surfaces for Complex Interactions between Different Types of Cells. <i>Langmuir</i> , 2010, 26, 17790-17794.	3.5	22
41	Electronic state of C ₆₀ monolayer on Ag(111) before and after Yb intercalation. <i>Surface Science</i> , 2005, 586, 65-73.	1.9	21
42	Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. <i>Nanoscale Research Letters</i> , 2012, 7, 184.	5.7	21
43	Oxygen vacancy induced electronic structure variation in the La _{0.2} Sr _{0.8} MnO ₃ thin film. <i>AIP Advances</i> , 2019, 9, .	1.3	21
44	Switchable Semiconductive Property of the Polyhydroxylated Metallofullerene. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11929-11934.	2.6	19
45	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
46	Surface structure of γ -Fe ₂ O ₃ nanocrystal observed by O K-edge X-ray absorption spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 199, 291-294.	1.4	18
47	Electronic Structure of BiFe _{1-x} MnxO ₃ Thin Films Investigated by X-Ray Absorption Spectroscopy. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	17
48	Chirality of Graphene Oxide-Humic Acid Sandwich Complex Induced by a Twisted, Long-Range-Ordered Nanostructure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25789-25795.	3.1	17
49	Electronic structure and room temperature ferromagnetism of C doped TiO ₂ . <i>Solid State Communications</i> , 2016, 243, 7-11.	1.9	15
50	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
51	Fragmentation of the hexafluorobenzene dication formed by photoabsorption in the 30-120 eV energy range. <i>Journal of Chemical Physics</i> , 1992, 96, 1931-1941.	3.0	14
52	Electronic structure evolution of single bilayer Bi(1-x)S ₂ Te _{3x} surfaces. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 255501.	1.8	14
53	Transient optical properties of novel PbS nanoparticles coated with 2,6-O-diallyl- β -CD. <i>Journal of Luminescence</i> , 1999, 82, 111-114.	3.1	13
54	Research of nonlinear optical properties of copper nanoparticles. <i>European Physical Journal D</i> , 1999, 9, 591-594.	1.3	13

#	ARTICLE	IF	CITATIONS
55	An organic electroluminescent device made from a gadolinium complex. Solid State Communications, 2002, 121, 145-147.	1.9	13
56	Synchrotron radiation photoemission study of Yb-intercalated C ₆₀ . Physical Review B, 2005, 71, .	3.2	13
57	Surface characterization of colossal magnetoresistive manganites La ^{1-x} Sr _x MnO ₃ using photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2006, 153, 37-57.	1.7	12
58	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. Materials Letters, 2009, 63, 431-433.	2.6	12
59	Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. Nanoscale, 2011, 3, 3103.	5.6	12
60	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
61	Surface state at the K̂ point of the surface Brillouin zone on Cu{111}. Physical Review B, 1996, 54, 5092-5096.	3.2	11
62	Aluminium doping induced enhancement of p-d coupling in ZnO. Journal of Physics Condensed Matter, 2006, 18, 3081-3087.	1.8	11
63	First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of Gd@C ₈₂ -Polystyrene. Journal of Physical Chemistry C, 2010, 114, 7631-7636.	3.1	11
64	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
65	An in situ resonant photoemission and x-ray absorption study of the BiFeO ₃ thin film. Ceramics International, 2016, 42, 10624-10630.	4.8	10
66	Tunable Electronic Structures in Wrinkled 2D Transition-Metal-Trichalcogenide (TMT) HfTe ₃ Films. Advanced Electronic Materials, 2016, 2, 1600324.	5.1	9
67	The interfacial structure of PPV/TiO ₂ nanocomposite. Optical Materials, 2003, 21, 573-578.	3.6	8
68	Surface alloying of Pb as a surfactant during epitaxial growth on Cu(111). Surface Science, 2005, 589, 1-7.	1.9	8
69	Fullerene film on metal surface: Diffusion of metal atoms and interface model. Applied Physics Letters, 2014, 104, .	3.3	8
70	Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. AIP Advances, 2015, 5, 047149.	1.3	8
71	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. Materials, 2019, 12, 805.	2.9	8
72	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

#	ARTICLE	IF	CITATIONS
73	Influence of nitrogen and magnesium doping on the properties of ZnO films. Chinese Physics B, 2016, 25, 076105.	1.4	7
74	Observation of selective surface element substitution in FeTe _{0.5} Se _{0.5} superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. Chinese Physics B, 2016, 25, 097402.	1.4	7
75	Well-saturated ferroelectric polarization in PbTiO ₃ –SmFeO ₃ thin films. Inorganic Chemistry Frontiers, 2016, 3, 1473-1479.	6.0	7
76	In-plane crystal field constrained electronic structure of stanene. Applied Physics Letters, 2020, 116, .	3.3	7
77	Beamline 4B9B and photoemission spectroscopy station in BSRF. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 409-412.	1.7	6
78	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
79	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
80	Ultrathin Pb film growth on Cu(111) studied by photoemission. Solid State Communications, 2001, 117, 327-332.	1.9	6
81	Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. Science Bulletin, 2011, 56, 3575-3577.	1.7	6
82	Correspondence between the electronic structure and phase separation in a K-doped FeSe system. Journal of Physics Condensed Matter, 2017, 29, 395503.	1.8	6
83	Temperature effect on the electronic structure of Nb:SrTiO ₃ (100) surface. Chinese Physics B, 2015, 24, 027901.	1.4	5
84	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
85	Reaction of PC61BM Film with Potassium. Journal of Physical Chemistry C, 2017, 121, 19097-19103.	3.1	5
86	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. International Journal of Hydrogen Energy, 2021, 46, 13061-13069.	7.1	5
87	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, .	2.4	5
88	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
89	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
90	Electronic structure and orientational phase transition of K3C60. Solid State Communications, 2002, 121, 257-261.	1.9	4

#	ARTICLE	IF	CITATIONS
91	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
92	Surface Modification Induced Shielding Effects on Electron Orbital Coupling in Metallofullerene. Journal of Nanoscience and Nanotechnology, 2010, 10, 8625-8631.	0.9	4
93	Electronic states of a C ₇₀ monolayer on the surface of Ag(111). Journal of Physics Condensed Matter, 2011, 23, 395002.	1.8	4
94	XANES study of multi-walled carbon nanotubes modified by HNO ₃ vapor. Materials Letters, 2012, 72, 131-133.	2.6	4
95	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
96	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
97	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. Superlattices and Microstructures, 2017, 104, 415-421.	3.1	4
98	Electronic-structure evolution of SrFeO _{3-x} during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	1.8	4
99	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
100	Pb Surfactant-Assisted Co Film Growth on Cu (111). Chinese Physics Letters, 2000, 17, 595-597.	3.3	3
101	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
102	Atomic and Electronic Structures of Submonolayer In on Cu(111). Chinese Physics Letters, 2002, 19, 409-412.	3.3	3
103	Electronic structure of La ₂ O ₃ /Si interface by in situ photoemission spectroscopy. Materials Letters, 2017, 191, 97-100.	2.6	3
104	Electronic states driven by the crystal field in two-dimensional materials: The case of antimonene. Physical Review B, 2022, 105, .	3.2	3
105	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
106	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
107	Structural change of metallofullerene: an easier thermal decomposition. Nanoscale, 2011, 3, 4130.	5.6	2
108	Multiferroics and electronic structure of (1-x)PbTiO ₃ -xBi(Ni _{1/2} Ti _{1/2})O ₃ thin films. Thin Solid Films, 2013, 542, 155-159.	1.8	2

#	ARTICLE	IF	CITATIONS
109	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
110	XANES Study of Carbon Nanotubes Grown without Catalyst. Physica Scripta, 2005, , 759.	2.5	2
111	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
112	Photoconductivity measurement of polymers by x-ray absorption fine structure. Journal of Applied Physics, 1999, 85, 7755-7758.	2.5	1
113	Preparation and Photoemission Spectra of Rb3C60 Single-Crystal Thin Films. Chinese Physics Letters, 2002, 19, 839-842.	3.3	1
114	Atomic and electronic structure of (3Å-3)R30Å°-In phase on Cu(111). Solid State Communications, 2003, 125, 509-514.	1.9	1
115	Valence state evolution of C60 deposited on Sm film. Journal of Physics Condensed Matter, 2004, 16, 4619-4624.	1.8	1
116	O 1s2p2p Auger decay in the Pr1âˆ”xSrxMnO3 (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
117	Electronic Characterization of the SingleWall Carbon Nanotubes a XANES Study. Physica Scripta, 2005, , 717.	2.5	1
118	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
119	Self-Construction of Coreâ€“Shell Structure by Metallofullerene-Containing Polymer. Journal of Nanoscience and Nanotechnology, 2011, 11, 2244-2250.	0.9	1
120	Electronic structures of 1-ML C84/Ag(111): Energy level alignment and work function variation. Surface Science, 2017, 666, 23-27.	1.9	1
121	Interaction between the Non-Fullerene Acceptor ITIC and Potassium. ACS Omega, 2019, 4, 8087-8093.	3.5	1
122	Surface State at Kmacr- Point of Surface Brillouin Zone on Cu{111} Surface. Chinese Physics Letters, 1996, 13, 465-468.	3.3	0
123	X-ray absorption spectroscopy study of nanotubes. AIP Conference Proceedings, 2003, , .	0.4	0
124	Charge transfer of 1 ML C 60 /Ag(100). Chinese Physics C, 2009, 33, 996-1000.	3.7	0
125	Fine structure of K 3 C 60 photoionization cross-section oscillations. Chinese Physics C, 2009, 33, 991-995.	3.7	0
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	In situ electronic structure investigation of Mn doped BiFeO ₃ thin films. Journal of Physics: Conference Series, 2013, 430, 012103.	0.4	0
129	<i>In situ</i> electronic structural study of VO ₂ thin film across the metal-insulator transition. Chinese Physics B, 2013, 22, 127103.	1.4	0
130	Photoelectric characteristics of silicon p-n junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. Chinese Physics B, 2014, 23, 096101.	1.4	0
131	Charge Transfer at Hybrid Organic-Inorganic Interface. Acta Physica Polonica A, 2018, 134, 434-437.	0.5	0