

Bo Chen

List of Publications by Year in descending order

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30
papers

792
citations

567281

15
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1800
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the Bipolar Doping Behavior of SnO from X-ray Spectroscopy and Density Functional Theory. Chemistry of Materials, 2013, 25, 3114-3123.	6.7	135
2	Direct Observation of Decoupled Structural and Electronic Transitions and an Ambient Pressure Monocliniclike Metallic Phase of VO_2 . Physical Review Letters, 2014, 113, 216402.	7.8	98
3	Graphene aerogel prepared by thermal evaporation of graphene oxide suspension containing sodium bicarbonate. Journal of Materials Chemistry A, 2015, 3, 7950-7958.	10.3	57
4	Controlling Selectivity in Unsaturated Aldehyde Hydrogenation Using Single-Site Alloy Catalysts. ACS Catalysis, 2019, 9, 9150-9157.	11.2	55
5	Synthesis and Properties of Star-Comb Polymers and Their Doxorubicin Conjugates. Bioconjugate Chemistry, 2011, 22, 617-624.	3.6	38
6	Electronic structure of EuN: Growth, spectroscopy, and theory. Physical Review B, 2011, 84, .	3.2	38
7	Metal-insulator transition induced in CaVO_3 thin films. Journal of Applied Physics, 2013, 113, .	2.5	31
8	Strain dependence of bonding and hybridization across the metal-insulator transition of VO_2 . Physical Review B, 2012, 85, .	3.2	30
9	Large-area high quality MoS_2 monolayers grown by sulfur vapor counter flow diffusion. RSC Advances, 2016, 6, 50306-50314.	3.2	28
10	Large-area high quality MoS_2 monolayers grown by sulfur vapor counter flow diffusion. RSC Advances, 2016, 6, 50306-50314.	3.6	26
11	Lattice vibration fundamentals in nanocrystalline anatase investigated with Raman scattering. Journal of Physics Condensed Matter, 2008, 20, 085212.	1.8	24
12	Soft X-Ray Spectroscopic Study of Dense Strontium-Doped Lanthanum Manganite Cathodes for Solid Oxide Fuel Cell Applications. Journal of the Electrochemical Society, 2011, 158, B99.	2.9	21
13	Electronic Structure of $\text{Na}_x\text{V}_2\text{O}_5$ ($x \approx 0.33$) Polycrystalline Films: Growth, Spectroscopy, and Theory. Journal of Physical Chemistry C, 2014, 118, 1081-1094.	3.1	21
14	Lattice vibration fundamentals of nanocrystalline anatase: Temperature-dependent study using micro-Raman scattering spectroscopy. Journal of Applied Physics, 2007, 101, 113501.	2.5	17
15	The effects of acute alcohol exposure on the response properties of neurons in visual cortex area 17 of cats. Toxicology and Applied Pharmacology, 2010, 243, 348-358.	2.8	16
16	Orbital anisotropy and low-energy excitations of the quasi-one-dimensional conductor SrVO_2 . Resonant Soft-X-Ray Emission as a Bulk Probe of Correlated Electron Behavior in Metallic SrVO_2 . Physical Review Letters, 2013, 111, 047402.	3.2	15
17	Resonant Soft-X-Ray Emission as a Bulk Probe of Correlated Electron Behavior in Metallic SrVO_2 . Physical Review Letters, 2013, 111, 047402.	7.8	15
18	Multi-technique x-ray and optical characterization of crystalline phase, texture, and electronic structure of atomic layer deposited $\text{Hf}\text{O}_2/\text{ZrO}_2$ gate dielectrics deposited by a cyclical deposition and annealing scheme. Journal of Applied Physics, 2013, 113, .	2.5	14

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19	Activation of the dimers and tetramers of metal amidinate atomic layer deposition precursors upon adsorption on silicon oxide surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	12
20	Enhanced electron correlations at the SrTiO_3 surface. <i>Physical Review B</i> , 2015, 91, .	3.2	11
21	Effects of rare-earth size on the electronic structure of LaVO_3 . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 105503.	1.8	11
22	Gas-Phase Electron-Impact Activation of Atomic Layer Deposition (ALD) Precursors: MeCpPtMe_3 . <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4602-4606.	4.6	11
23	Photo-induced degradation of Ru(II) complex adsorbed on anatase TiO_2 thin film electrode. <i>Science Bulletin</i> , 2007, 52, 2012-2014.	1.7	10
24	The band structure of WO_3 and non-rigid-band behaviour in $\text{Na}_{0.67}\text{WO}_3$ derived from soft x-ray spectroscopy and density functional theory. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 165501.	1.8	10
25	Thermal Chemistry of Metal Organic Compounds Adsorbed on Oxide Surfaces. <i>Organometallics</i> , 2020, 39, 928-940.	2.3	10
26	Hydrogenation of Cinnamaldehyde on Cu(110) Single-Crystal Surfaces. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14709-14717.	3.1	10
27	Effect of MgO on WO_3/SiO_2 -catalyzed light olefin metathesis using different feedstocks. <i>Molecular Catalysis</i> , 2017, 442, 49-56.	2.0	9
28	Rational Design of Metalorganic Complexes for the Deposition of Solid Films: Growth of Metallic Copper with Amidinate Precursors. <i>Chemistry of Materials</i> , 2019, 31, 1681-1687.	6.7	8
29	Role of oligomer structures in the surface chemistry of amidinate metal complexes used for atomic layer deposition of thin films. <i>Journal of Materials Research</i> , 2020, 35, 720-731.	2.6	7
30	Low-energy Vt_2g orbital excitations in NdVO_3 . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 455603.	1.8	4