

Bo Chen

List of Publications by Year in descending order

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30
papers

792
citations

567281

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h-index

501196

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30
all docs

30
docs citations

30
times ranked

1800
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenation of Cinnamaldehyde on Cu(110) Single-Crystal Surfaces. Journal of Physical Chemistry C, 2021, 125, 14709-14717.	3.1	10
2	Role of oligomer structures in the surface chemistry of amidinate metal complexes used for atomic layer deposition of thin films. Journal of Materials Research, 2020, 35, 720-731.	2.6	7
3	Thermal Chemistry of Metal Organic Compounds Adsorbed on Oxide Surfaces. Organometallics, 2020, 39, 928-940.	2.3	10
4	Controlling Selectivity in Unsaturated Aldehyde Hydrogenation Using Single-Site Alloy Catalysts. ACS Catalysis, 2019, 9, 9150-9157.	11.2	55
5	Rational Design of Metalorganic Complexes for the Deposition of Solid Films: Growth of Metallic Copper with Amidinate Precursors. Chemistry of Materials, 2019, 31, 1681-1687.	6.7	8
6	Gas-Phase Electron-Impact Activation of Atomic Layer Deposition (ALD) Precursors: MeCpPtMe ₃ . Journal of Physical Chemistry Letters, 2018, 9, 4602-4606.	4.6	11
7	Activation of the dimers and tetramers of metal amidinate atomic layer deposition precursors upon adsorption on silicon oxide surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	12
8	Effect of MgO on WO ₃ /SiO ₂ -catalyzed light olefin metathesis using different feedstocks. Molecular Catalysis, 2017, 442, 49-56.	2.0	9
9	Large-area high quality MoS ₂ monolayers grown by sulfur vapor counter flow diffusion. RSC Advances, 2016, 6, 50306-50314.	3.6	26
10	Enhanced electron correlations at the $Sr_{1-x}Ca_xVO_3$. Physical Review B, 2015, 91, .	8.2	15
11	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
12	Effects of rare-earth size on the electronic structure of La _{1-x} Lu _x VO ₃ . Journal of Physics Condensed Matter, 2015, 27, 105503.	1.8	11
13	Low-energy t_2g orbital excitations in NdVO ₃ . Journal of Physics Condensed Matter, 2014, 26, 455603.	1.8	4
14	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
15	Electronic Structure of $\hat{\Gamma}^2$ -Na _x V ₂ O ₅ ($x \approx 0.33$) Polycrystalline Films: Growth, Spectroscopy, and Theory. Journal of Physical Chemistry C, 2014, 118, 1081-1094.	3.1	21
16	Resonant Soft-X-Ray Emission as a Bulk Probe of Correlated Electron Behavior in Metallic $Sr_{1-x}Ca_xVO_3$. Physical Review Letters, 2013, 111, 047402.	7.8	15
17	Multi-technique x-ray and optical characterization of crystalline phase, texture, and electronic structure of atomic layer deposited Hf _{1-x} Zr _x O ₂ gate dielectrics deposited by a cyclical deposition and annealing scheme. Journal of Applied Physics, 2013, 113, .	2.5	14
18	Metal-insulator transition induced in CaVO ₃ thin films. Journal of Applied Physics, 2013, 113, .	2.5	31

#	ARTICLE	IF	CITATIONS
19	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
20	The band structure of WO ₃ and non-rigid-band behaviour in Na _{0.67} WO ₃ derived from soft x-ray spectroscopy and density functional theory. Journal of Physics Condensed Matter, 2013, 25, 165501.	1.8	10
21	Orbital anisotropy and low-energy excitations of the quasi-one-dimensional conductor V_2O_7 . Physical Review B, 2012, 85, .	3.2	28
22	Strain dependence of bonding and hybridization across the metal-insulator transition of VO ₂ . Physical Review B, 2012, 85, .	3.2	30
23	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
24	Synthesis and Properties of Star-Comb Polymers and Their Doxorubicin Conjugates. Bioconjugate Chemistry, 2011, 22, 617-624.	3.6	38
25	Orbital anisotropy and low-energy excitations of the quasi-one-dimensional conductor V_2O_7 . Physical Review B, 2012, 85, .	3.2	15
26	Electronic structure of EuN: Growth, spectroscopy, and theory. Physical Review B, 2011, 84, .	3.2	38
27	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
28	Lattice vibration fundamentals in nanocrystalline anatase investigated with Raman scattering. Journal of Physics Condensed Matter, 2008, 20, 085212.	1.8	24
29	Lattice vibration fundamentals of nanocrystalline anatase: Temperature-dependent study using micro-Raman scattering spectroscopy. Journal of Applied Physics, 2007, 101, 113501.	2.5	17
30	Photo-induced degradation of Ru(II) complex absorbed on anatase TiO ₂ thin film electrode. Science Bulletin, 2007, 52, 2012-2014.	1.7	10