

Brett D Leedahl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1465153/publications.pdf>

Version: 2024-02-01

22
papers

276
citations

933447

10
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Orbital Imaging of Excited States with X-Ray Spectroscopy: The Example of MnS . Physical Review X, 2021, 11, .	8.9	1
2	Origin and control of room temperature ferromagnetism in Co,Zn-doped SnO_2 : oxygen vacancies and their local environment. Journal of Materials Chemistry C, 2020, 8, 4902-4908.	5.5	6
3	From antiferromagnetic and hidden order to Pauli paramagnetism in U^{2+} Si^{2+} compounds with f electron duality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30220-30227.	7.1	25
4	Electronic structure and structural defects in 3d-metal doped In_2O_3 . Journal of Materials Science: Materials in Electronics, 2019, 30, 14091-14098.	2.2	1
5	Orientation of the ground-state orbital in CeCoIn_5 and CeRhIn_5 . Physical Review B, 2019, 99, .	3.2	9
6	Fundamental crystal field excitations in magnetic semiconductor SnO_2 : Mn, Fe, Co, Ni. Physical Chemistry Chemical Physics, 2019, 21, 11992-11998.	2.8	5
7	Frontispiece: Oxygen Vacancy Induced Structural Distortions in Black Titania: A Unique Approach using Soft X-ray EXAFS at the O-K Edge. Chemistry - A European Journal, 2019, 25, .	3.3	0
8	Origin of Ising magnetism in $\text{Ca}_3\text{Co}_2\text{O}_6$ unveiled by orbital imaging. Nature Communications, 2019, 10, 5447.	12.8	15
9	Oxygen Vacancy Induced Structural Distortions in Black Titania: A Unique Approach using Soft X-ray EXAFS at the O-K Edge. Chemistry - A European Journal, 2019, 25, 3272-3278.	3.3	4
10	The electronic structure of $\mu\text{-V}_2\text{O}_5$: an expanded band gap in a double-layered polymorph with increased interlayer separation. Journal of Materials Chemistry A, 2017, 5, 23694-23703.	10.3	10
11	Bulk vs. Surface Structure of 3d Metal Impurities in Topological Insulator Bi_2Te_3 . Scientific Reports, 2017, 7, 5758.	3.3	10
12	Structure-Induced Switching of the Band Gap, Charge Order, and Correlation Strength in Ternary Vanadium Oxide Bronzes. Chemistry - A European Journal, 2017, 23, 9846-9856.	3.3	3
13	Tunability of room-temperature ferromagnetism in spintronic semiconductors through nonmagnetic atoms. Physical Review B, 2017, 96, .	3.2	3
14	How functional groups change the electronic structure of graphdiyne: Theory and experiment. Carbon, 2017, 123, 1-6.	10.3	45
15	Insight into photon conversion of Nd^{3+} doped low temperature grown p and n type tin oxide thin films. RSC Advances, 2016, 6, 67157-67165.	3.6	13
16	Searching for pure iron in nature: the Chelyabinsk meteorite. RSC Advances, 2016, 6, 85844-85851.	3.6	6
17	Contrasting 1D tunnel-structured and 2D layered polymorphs of V_2O_5 : relating crystal structure and bonding to band gaps and electronic structure. Physical Chemistry Chemical Physics, 2016, 18, 15798-15806.	2.8	32
18	Adjacent Fe-Vacancy Interactions as the Origin of Room Temperature Ferromagnetism in Fe_2O_3		

#	ARTICLE	IF	CITATIONS
19	Selective Area Band Engineering of Graphene using Cobalt-Mediated Oxidation. Scientific Reports, 2015, 5, 15380.	3.3	6
20	Structural defects induced by Fe-ion implantation in TiO ₂ . Journal of Applied Physics, 2014, 115, .	2.5	9
21	Study of the Structural Characteristics of 3d Metals Cr, Mn, Fe, Co, Ni, and Cu Implanted in ZnO and TiO ₂ —Experiment and Theory. Journal of Physical Chemistry C, 2014, 118, 28143-28151.	3.1	26
22	Local Structure of Fe Impurity Atoms in ZnO: Bulk versus Surface. Journal of Physical Chemistry C, 2014, 118, 5336-5345.	3.1	15