Fredrik Johansson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5492607/publications.pdf

Version: 2024-02-01

32	447	840776 11	752698 20
papers	citations	h-index	g-index

33	33	33	919
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Defect formation in graphene during low-energy ion bombardment. APL Materials, 2016, 4, .	5.1	68
2	Partially Reversible Photoinduced Chemical Changes in a Mixed-Ion Perovskite Material for Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 34970-34978.	8.0	65
3	Hard x-ray photoelectron spectroscopy: a snapshot of the state-of-the-art in 2020. Journal of Physics Condensed Matter, 2021, 33, 233001.	1.8	55
4	Probing and Controlling Surface Passivation of PbS Quantum Dot Solid for Improved Performance of Infrared Absorbing Solar Cells. Chemistry of Materials, 2019, 31, 4081-4091.	6.7	34
5	Photochemical conversion of tin-oxo cage compounds studied using hard x-ray photoelectron spectroscopy. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2017, 16, 023510.	0.9	26
6	Early-stage decomposition of solid polymer electrolytes in Li-metal batteries. Journal of Materials Chemistry A, 2021, 9, 22462-22471.	10.3	26
7	Longâ€Lasting Nonâ€hydrogenated Dark Titanium Dioxide: Medium Vacuum Anneal for Enhanced Visible Activity of Modified Multiphase Photocatalysts. ChemCatChem, 2018, 10, 2949-2954.	3.7	17
8	Femtosecond and Attosecond Electron-Transfer Dynamics in PCPDTBT:PCBM Bulk Heterojunctions. Journal of Physical Chemistry C, 2018, 122, 12605-12614.	3.1	16
9	Growth of two-dimensional WS2 thin films by reactive sputtering. Vacuum, 2021, 188, 110205.	3.5	14
10	Tailoring ultra-fast charge transfer in MoS2. Physical Chemistry Chemical Physics, 2020, 22, 10335-10342.	2.8	12
11	The CoESCA station at BESSY: Auger electronâ€“photoelectron coincidences from surfaces demonstrated for Ag MNN. Journal of Electron Spectroscopy and Related Phenomena, 2021, 250, 147075.	1.7	12
12	Clarifying the Adsorption of Triphenylamine on Au(111): Filling the HOMOâ€“LUMO Gap. Journal of Physical Chemistry C, 2022, 126, 1635-1643.	3.1	12
13	Phase control of iron oxides grown in nano-scale structures on FTO and Si(100): Hematite, maghemite and magnetite. Vacuum, 2015, 117, 85-90.	3.5	8
14	Minimizing sputter-induced damage during deposition of WS2 onto graphene. Applied Physics Letters, 2017, 110, .	3.3	8
15	Extreme ultraviolet photoemission of a tin-based photoresist. Applied Physics Letters, 2021, 118, .	3.3	8
16	Quantitative analysis of plasmon excitations in hard x-ray photoelectron spectra of bulk black phosphorus. Applied Surface Science, 2020, 505, 144385.	6.1	7
17	Electronic coupling between the unoccupied states of the organic and inorganic sublattices of methylammonium lead iodide: A hybrid organic-inorganic perovskite single crystal. Physical Review B, 2021, 104, .	3.2	7
18	Electronic structure modifications induced by increased molecular complexity: from triphenylamine to m-MTDATA. Physical Chemistry Chemical Physics, 2019, 21, 17959-17970.	2.8	6

#	Article	IF	Citations
19	Interlayer charge transfer in tin disulphide: Orbital anisotropy and temporal aspects. Physical Review B, 2020, 102, .	3.2	6
20	Wafer-sized WS₂ monolayer deposition by sputtering. Nanoscale, 2022, 14, 6331-6338.	5.6	6
21	A method for studying pico to microsecond time-resolved core-level spectroscopy used to investigate electron dynamics in quantum dots. Scientific Reports, 2020, 10, 22438.	3.3	5
22	Electronic Structure Characterization of Crossâ€Linked Sulfur Polymers. ChemPhysChem, 2018, 19, 1041-1047.	2.1	4
23	Electronic Structure Characterization of a Thiophene Benzo-Annulated Series of Common Building Blocks for Donor and Acceptor Compounds Studied by Gas Phase Photoelectron and Photoabsorption Synchrotron Spectroscopies. Journal of Physical Chemistry A, 2018, 122, 8745-8761.	2.5	4
24	PPT Isolated Molecule and Its Building Block Moieties Studied by C 1s and O 1s Gas Phase X-ray Photoelectron and Photoabsorption Spectroscopies. Journal of Physical Chemistry C, 2020, 124, 9774-9786.	3.1	4
25	m-MTDATA on Au(111): Spectroscopic Evidence of Moleculeâ€“Substrate Interactions. Journal of Physical Chemistry C, 2022, 126, 3202-3210.	3.1	4
26	Investigation of the surface species during temperature dependent dehydrogenation of naphthalene on Ni(111). Journal of Chemical Physics, 2019, 150, 244704.	3.0	3
27	S 2p and P 2p Core Level Spectroscopy of PPT Ambipolar Material and Its Building Block Moieties. Journal of Physical Chemistry C, 2020, 124, 14510-14520.	3.1	3
28	In Situ Formation of Ge Nanoparticles by Annealing of Al-Ge-N Thin Films Followed by HAXPES and XRD. Inorganic Chemistry, 2019, 58, 11100-11109.	4.0	2
29	The impact of chemical composition of halide surface ligands on the electronic structure and stability of lead sulfide quantum dot materials. Physical Chemistry Chemical Physics, 2022, , .	2.8	2
30	Photochemical conversion of tin-oxo cage compounds studied using hard x-ray photoelectron spectroscopy. Proceedings of SPIE, 2017, , .	0.8	1
31	Evidence of hybridization states at the donor/acceptor interface: case of m-MTDATA/PPT. Journal of Physics Condensed Matter, 2022, 34, 214008.	1.8	1
32	Auger- and photoelectron coincidences of molecular O2 adsorbed on Ag(111). Journal of Electron Spectroscopy and Related Phenomena, 2022, 256, 147174.	1.7	0