Malgorzata Kot

List of Publications by Year in descending order

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Version: 2024-02-01

28 papers	420 citations	687363 13 h-index	752698 20 g-index
28 all docs	28 docs citations	28 times ranked	813 citing authors

#	Article	IF	Citations
1	Roomâ€Temperature Atomic Layer Deposition of Al₂O₃: Impact on Efficiency, Stability and Surface Properties in Perovskite Solar Cells. ChemSusChem, 2016, 9, 3401-3406.	6.8	76
2	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. Scientific Reports, 2016, 6, 31639.	3.3	44
3	Roomâ€Temperature Atomicâ€Layerâ€Deposited Al₂O₃ Improves the Efficiency of Perovskite Solar Cells over Time. ChemSusChem, 2018, 11, 3640-3648.	6.8	33
4	Tailoring optical and electrical properties of thin-film coatings based on mixed Hf and Ti oxides for optoelectronic application. Materials and Design, 2019, 175, 107822.	7.0	25
5	Localized defect states and charge trapping in atomic layer deposited-Al2O3 films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	24
6	Evidence of Nitrogen Contribution to the Electronic Structure of the CH₃NH₃PbI₃ Perovskite. Chemistry - A European Journal, 2018, 24, 3539-3544.	3.3	20
7	Atomic Layer-Deposited Aluminum Oxide Hinders Iodide Migration and Stabilizes Perovskite Solar Cells. Cell Reports Physical Science, 2020, 1, 100112.	5.6	20
8	Analysis of nitrogen species in titanium oxynitride ALD films. Applied Surface Science, 2016, 381, 42-47.	6.1	19
9	Analysis of titanium species in titanium oxynitride films prepared by plasma enhanced atomic layer deposition. Surface and Coatings Technology, 2017, 324, 586-593.	4.8	17
10	Engineering of Subâ€Nanometer SiO_x Thickness in Si Photocathodes for Optimized Open Circuit Potential. ChemSusChem, 2016, 9, 2332-2336.	6.8	16
11	In situ Nearâ€Ambient Pressure Xâ€ray Photoelectron Spectroscopy Reveals the Influence of Photon Flux and Water on the Stability of Halide Perovskite. ChemSusChem, 2020, 13, 5722-5730.	6.8	15
12	In-gap states in titanium dioxide and oxynitride atomic layer deposited films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	14
13	Room temperature atomic layer deposited Al2O3 on CH3NH3PbI3 characterized by synchrotron-based X-ray photoelectron spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 49-52.	1.4	13
14	Thermal stability of CH3NH3PbIxCl3-x versus [HC(NH2)2]0.83Cs0.17PbI2.7Br0.3 perovskite films by X-ray photoelectron spectroscopy. Applied Surface Science, 2020, 513, 145596.	6.1	13
15	Long-term ambient surface oxidation of titanium oxynitride films prepared by plasma-enhanced atomic layer deposition: An XPS study. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	9
16	Al 2 O 3 â€Atomic Layer Deposited Films on CH 3 NH 3 PbI 3 : Intrinsic Defects and Passivation Mechanisms. Energy Technology, 2019, 7, 1900975.	3.8	8
17	Comparison of plasma-enhanced atomic layer deposition AlN films prepared with different plasma sources. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	8
18	An (In Situ)2 Approach: ALD and resPES Applied to Al2O3, HfO2, and TiO2 Ultrathin Films. , 2018, , 18-26.		7

#	Article	IF	Citations
19	Point Defect-Mediated Interface Formation and Appearance of a Cooper Minimum for AlO_x Atomic-Layer-Deposited Films on CH₃NH₃PbI₃. Journal of Physical Chemistry C, 2019, 123, 23352-23360.	3.1	7
20	Topâ€Down Approach to Study Chemical and Electronic Properties of Perovskite Solar Cells: Sputtered Depth Profiling Versus Tapered Crossâ€Sectional Photoelectron Spectroscopies. Solar Rrl, 2021, 5, 2100298.	5.8	6
21	Band Bending at Hole Transporting Layerâ€Perovskite Interfaces in nâ€iâ€p and in pâ€iâ€n Architecture. Solar Rrl, 2022, 6, .	5.8	6
22	Selective Deposition of an Ultrathin Pt Layer on a Au-Nanoisland-Modified Si Photocathode for Hydrogen Generation. ACS Omega, 2017, 2, 1360-1366.	3.5	5
23	Interface Potentials, Intrinsic Defects, and Passivation Mechanisms in Al2O3, HfO2, and TiO2 Ultrathin Films. , 2018, , 162-171.		4
24	Toward controlling the Al₂O₃/ZnO interface properties by in situ ALD preparation. Dalton Transactions, 2022, 51, 9291-9301.	3.3	4
25	Analysis of surface properties of Ti-Cu-Ox gradient thin films using AFM and XPS investigations. Materials Science-Poland, 2018, 36, 761-768.	1.0	3
26	Low-temperature atomic layer deposition of indium oxide thin films using trimethylindium and oxygen plasma. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 062406.	2.1	3
27	Themed issue on electronic properties and characterisation of perovskites. Journal of Materials Chemistry C, 2019, 7, 5224-5225.	5.5	1
28	Self-Assembled Monolayers from Symmetrical Di-Thiols: Preparation, Characterization and Application for the Assembly of Electrochemically Active Films. Engineering Proceedings, 2021, 6, .	0.4	0