

Solene Bechu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9227094/publications.pdf>

Version: 2024-02-01

20
papers

270
citations

1162889

8
h-index

940416

16
g-index

20
all docs

20
docs citations

20
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of relative humidity upon Cu(In,Ga)Se ₂ thin-film surface chemistry: An X-ray photoelectron spectroscopy study. Applied Surface Science, 2022, 576, 151898.	3.1	8
2	Combined Pulsed RF GD-OES and HAXPES for Quantified Depth Profiling through Coatings. Coatings, 2021, 11, 702.	1.2	5
3	Stoichiometry loss induced by ionic bombardment of InP surfaces: A challenge for electrochemistry combined with XPS. Electrochemistry Communications, 2020, 117, 106766.	2.3	3
4	Evolution of Cu(In,Ga)Se ₂ surfaces under water immersion monitored by X-ray photoelectron spectroscopy. Surface and Interface Analysis, 2020, 52, 975-979.	0.8	2
5	Photoemission Spectroscopy Characterization of Halide Perovskites. Advanced Energy Materials, 2020, 10, 1904007.	10.2	66
6	Strong performance enhancement in lead-halide perovskite solar cells through rapid, atmospheric deposition of n-type buffer layer oxides. Nano Energy, 2020, 75, 104946.	8.2	20
7	Light-Induced Passivation in Triple Cation Mixed Halide Perovskites: Interplay between Transport Properties and Surface Chemistry. ACS Applied Materials & Interfaces, 2020, 12, 34784-34794.	4.0	25
8	Cu depletion on Cu(In,Ga)Se ₂ surfaces investigated by chemical engineering: An x-ray photoelectron spectroscopy approach. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	7
9	Investigation of dielectric layers laser ablation mechanism on n-PERT silicon solar cells for (Ni) plating process: Laser impact on surface morphology, composition, electrical properties and metallization quality. Solar Energy Materials and Solar Cells, 2019, 202, 110149.	3.0	6
10	Cross-characterization methods to obtain an "absolute" quantification of Cu(In,Ga)Se ₂ in-depth and at the surface. , 2019, , .		0
11	Evaluation of the chemical and optical perturbations induced by Ar plasma on InP surface. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, .	0.6	3
12	A challenge for x-ray photoelectron spectroscopy characterization of Cu(In,Ga)Se ₂ absorbers: The accurate quantification of Ga/(Ga+In) ratio. Thin Solid Films, 2019, 669, 425-429.	0.8	13
13	Vectorial method used to monitor an evolving system: Titanium oxide thin films under UV illumination. Applied Surface Science, 2018, 447, 528-534.	3.1	1
14	XPS profiling study of Al ₂ O ₃ passivation layers for high efficiency n-PERT and PERC solar cells. , 2018, , .		0
15	Coupling GD-OES and XPS profiling to perform advanced physico-chemical characterizations of III-V layers for photovoltaic applications. , 2018, , .		1
16	Versatile perovskite solar cell encapsulation by low-temperature ALD-Al ₂ O ₃ with long-term stability improvement. Sustainable Energy and Fuels, 2018, 2, 2468-2479.	2.5	66
17	Study of Gallium Front Grading at Low Deposition Temperature on Polyimide Substrates and Impacts on the Solar Cell Properties. IEEE Journal of Photovoltaics, 2018, 8, 1852-1857.	1.5	7
18	Improving V _{oc} With Indium and Alkali Fluorides in Cu(In,Ga)Se ₂ Solar Cells Deposited at Low Temperature on Polyimide. IEEE Journal of Photovoltaics, 2018, 8, 1343-1348.	1.5	10

#	ARTICLE	IF	CITATIONS
19	TiO ₂ Anatase Solutions for Electron Transporting Layers in Organic Photovoltaic Cells. ChemPhysChem, 2017, 18, 2390-2396.	1.0	9
20	Developments in numerical treatments for large data sets of XPS images. Surface and Interface Analysis, 2016, 48, 301-309.	0.8	18