Monika Blum

List of Publications by Year
in descending order

21	447	949033 11	799663 21
papers	citations	h-index	g-index

21	21	21	1183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Support Effect and Surface Reconstruction in In₂O₃/m-ZrO₂ Catalyzed CO₂ Hydrogenation. ACS Catalysis, 2022, 12, 3868-3880.	5.5	20
2	Dynamic Effects and Hydrogen Bonding in Mixed-Halide Perovskite Solar Cell Absorbers. Journal of Physical Chemistry Letters, 2021, 12, 3885-3890.	2.1	12
3	Sulfate Speciation Analysis Using Soft X-ray Emission Spectroscopy. Analytical Chemistry, 2021, 93, 8300-8308.	3.2	3
4	Real-time interfacial electron dynamics revealed through temporal correlations in x-ray photoelectron spectroscopy. Structural Dynamics, 2021, 8, 044301.	0.9	1
5	Methanol Adsorption on Vanadium Oxide Surfaces Observed by Ambient Pressure X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 23192-23204.	1.5	1
6	Observation of Double Excitations in the Resonant Inelastic X-ray Scattering of Nitric Oxide. Journal of Physical Chemistry Letters, 2020, 11, 7476-7482.	2.1	10
7	Impact of UV-induced ozone and low-energy Ar+-ion cleaning on the chemical structure of Cu(In,Ga)(S,Se)2 absorber surfaces. Journal of Applied Physics, 2020, 128, .	1.1	3
8	Water adsorption on vanadium oxide thin films in ambient relative humidity. Journal of Chemical Physics, 2020, 152, 044715.	1.2	27
9	Variations in the Chemical and Electronic Impact of Post-Deposition Treatments on Cu(In,Ga)(S,Se)₂ Absorbers. ACS Applied Energy Materials, 2019, 2, 8641-8648.	2.5	3
10	Molybdenum Disulfide Catalytic Coatings via Atomic Layer Deposition for Solar Hydrogen Production from Copper Gallium Diselenide Photocathodes. ACS Applied Energy Materials, 2019, 2, 1060-1066.	2.5	17
11	Electrolyte Stability and Discharge Products of an Ionic-Liquid-Based Liâ€“O₂ Battery Revealed by Soft X-Ray Emission Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 30827-30832.	1.5	6
12	Improving performance by Na doping of a buffer layerâ€”chemical and electronic structure of the In_xS_y:Na/CuIn(S,Se)₂ thinâ€film solar cell interface. Progress in Photovoltaics: Research and Applications, 2018, 26, 359-366.	4.4	20
13	Formation of a Kâ€”Inâ€”Se Surface Species by NaF/KF Postdeposition Treatment of Cu(In,Ga)Se₂ Thin-Film Solar Cell Absorbers. ACS Applied Materials & Interfaces, 2017, 9, 3581-3589.	4.0	94
14	High-efficiency in situ resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. Review of Scientific Instruments, 2017, 88, 033106.	0.6	107
15	Znâ€“Seâ€“Cdâ€“S Interlayer Formation at the CdS/Cu₂ZnSnSe₄ Thin-Film Solar Cell Interface. ACS Energy Letters, 2017, 2, 1632-1640.	8.8	31
16	KF post-deposition treatment of industrial Cu(In, Ga)(S, Se)2 thin-film surfaces: Modifying the chemical and electronic structure. Applied Physics Letters, 2017, 111, .	1.5	19
17	Electronic structure of the Zn(O,S)/Cu(In,Ga)Se₂thin-film solar cell interface. Progress in Photovoltaics: Research and Applications, 2016, 24, 1142-1148.	4.4	29
18	Site- and Symmetry-Resolved Resonant X-ray Emission Study of a Highly Ordered PTCDA Thin Film. Journal of Physical Chemistry C, 2016, 120, 8607-8615.	1.5	1

#	Article	IF	Citations
19	Soft X-ray Spectroscopy of a Complex Heterojunction in High-Efficiency Thin-Film Photovoltaics: Intermixing and Zn Speciation at the Zn(O,S)/Cu(In,Ga)Se₂ Interface. ACS Applied Materials & Interfaces, 2016, 8, 33256-33263.	4.0	6
20	A New Look at the Electronic Structure of Transparent Conductive Oxidesâ€"A Case Study of the Interface between Zinc Magnesium Oxide and Cadmium Telluride. Advanced Materials Interfaces, 2016, 3, 1600418.	1.9	5
21	Characterization of Sulfur Bonding in CdS:O Buffer Layers for CdTe-based Thin-Film Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 16382-16386.	4.0	32