

# Justus Just

## List of Publications by Year in descending order

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28  
papers

1,256  
citations

516215

16  
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610482

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30  
docs citations

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times ranked

2146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Resolved Grazing Incidence X-Ray Absorption Spectroscopy for the In Situ Investigation of the Initial Stages of Sputter-Deposited Copper Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100514.	0.8	3
2	20.8% Slot-Die Coated MAPbI <sub>3</sub> Perovskite Solar Cells by Optimal DMSO-Content and Age of 2-ME Based Precursor Inks. <i>Advanced Energy Materials</i> , 2021, 11, 2003460.	10.2	122
3	Insights into Nucleation and Growth of Colloidal Quaternary Nanocrystals by Multimodal X-ray Analysis. <i>ACS Nano</i> , 2021, 15, 6439-6447.	7.3	18
4	Optical <i>in situ</i> monitoring during the synthesis of halide perovskite solar cells reveals formation kinetics and evolution of optoelectronic properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10439-10449.	5.2	43
5	EXAFS Study on the Coordination Chemistry of the Solvated Copper(II) Ion in a Series of Oxygen Donor Solvents. <i>Inorganic Chemistry</i> , 2020, 59, 9538-9550.	1.9	35
6	Low Temperature Synthesis of Stable CsPbI <sub>3</sub> Perovskite Layers for Solar Cells Obtained by High Throughput Experimentation. <i>Advanced Energy Materials</i> , 2019, 9, 1900555.	10.2	108
7	Investigation of reflectometry for in situ process monitoring and characterization of co-evaporated and stacked Cu-Zn-Sn-S based thin films. <i>Journal of Alloys and Compounds</i> , 2019, 779, 870-878.	2.8	5
8	In Situ Monitoring of Cu <sub>2</sub> ZnSnS <sub>4</sub> Absorber Formation With Raman Spectroscopy During Mo/Cu <sub>2</sub> SnS <sub>3</sub> /ZnS Thin-Film Stack Annealing. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 906-912.	1.5	6
9	Depth distribution of secondary phases in kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> by angle-resolved X-ray absorption spectroscopy. <i>APL Materials</i> , 2017, 5, .	2.2	14
10	Nanoscale order in the frustrated mixed conductor La <sub>5.6</sub> WO <sub>12</sub> . <i>Journal of Applied Crystallography</i> , 2016, 49, 997-1008.	1.9	15
11	Radiative recombination from localized states in CZT(S, Se) investigated by combined PL and TRPL at low temperatures. , 2016, , .		1
12	Compositional dependence of charge carrier transport in kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells. <i>Journal of Applied Physics</i> , 2016, 120, 225703.	1.1	11
13	Secondary phases and their influence on the composition of the kesterite phase in CZTS and CZTSe thin films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15988-15994.	1.3	77
14	Earth abundant thin film solar cells from co-evaporated Cu <sub>2</sub> SnS <sub>3</sub> absorber layers. <i>Journal of Alloys and Compounds</i> , 2016, 689, 182-186.	2.8	24
15	Effect of precursor stacking order and sulfurization temperature on compositional homogeneity of CZTS thin films. <i>Thin Solid Films</i> , 2016, 615, 402-408.	0.8	41
16	A mechanochemical route to single phase Cu <sub>2</sub> ZnSnS <sub>4</sub> powder. <i>Journal of Alloys and Compounds</i> , 2016, 670, 289-296.	2.8	37
17	Deep Defects in Cu <sub>2</sub> ZnSnS <sub>4</sub> Solar Cells with Varying Se Content. <i>Physical Review Applied</i> , 2016, 5, .	1.5	67
18	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. <i>Macromolecules</i> , 2016, 49, 2281-2287.	2.2	95

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19	Quick-EXAFS setup at the SuperXAS beamline for <i>in situ</i> X-ray absorption spectroscopy with 10 <sup>6</sup> ms time resolution. Journal of Synchrotron Radiation, 2016, 23, 260-266.	1.0	158
20	Fine-tuning the Sn Content in CZTSSe Thin Films to Achieve 10.8% Solar Cell Efficiency from Spray-Deposited Water-Ethanol-Based Colloidal Inks. Advanced Energy Materials, 2015, 5, 1501404.	10.2	120
21	Raman spectroscopy study on in-situ monitoring of Cu <sub>2</sub> ZnSnS <sub>4</sub> synthesis. , 2015, , .		2
22	The role of interparticle heterogeneities in the selenization pathway of Cu-Zn-Sn-S nanoparticle thin films: a real-time study. Journal of Materials Chemistry C, 2015, 3, 7128-7134.	2.7	21
23	Defects in Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cells studied by photoluminescence, admittance and IVT. , 2014, , .		1
24	Real-time observation of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cell absorber layer formation from nanoparticle precursors. Physical Chemistry Chemical Physics, 2013, 15, 18281.	1.3	86
25	Quick-Scanning QEXAFS in grazing incidence: Surface science in sub-seconds. Journal of Physics: Conference Series, 2013, 430, 012124.	0.3	6
26	Correlation between composition and photovoltaic properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film solar cells. , 2011, , .		2
27	Determination of secondary phases in kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films by x-ray absorption near edge structure analysis. Applied Physics Letters, 2011, 99, .	1.5	109
28	Sputtered Zn(O,S) for junction formation in chalcopyrite-based thin film solar cells. Physica Status Solidi - Rapid Research Letters, 2010, 4, 109-111.	1.2	28