

Stphane Bourdais

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5298964/stephane-bourdais-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

918
citations

14
h-index

30
g-index

30
ext. papers

1,053
ext. citations

7.1
avg, IF

3.73
L-index

#	Paper	IF	Citations
29	High-throughput bandstructure simulations of van der Waals hetero-bilayers formed by 1T and 2H monolayers. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	4
28	Solution-based synthesis of kesterite thin film semiconductors. <i>JPhys Energy</i> , 2020 , 2, 012003	4.9	19
27	On the origin of band-tails in kesterite. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 179, 142-151	6.4	100
26	Deep Defects in Cu ₂ ZnSn(S,Se) ₄ Solar Cells with Varying Se Content. <i>Physical Review Applied</i> , 2016 , 5,	4.3	58
25	Is the Cu/Zn Disorder the Main Culprit for the Voltage Deficit in Kesterite Solar Cells?. <i>Advanced Energy Materials</i> , 2016 , 6, 1502276	21.8	221
24	¹¹⁹ Sn MAS NMR to Assess the Cationic Disorder and the Anionic Distribution in Sulfoselenide Cu ₂ ZnSn(SxSe _{1-x}) ₄ Compounds Prepared from Colloidal and Ceramic Routes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26849-26857	3.8	12
23	Fine-Tuning the Sn Content in CZTSSe Thin Films to Achieve 10.8% Solar Cell Efficiency from Spray-Deposited Water/Ethanol-Based Colloidal Inks. <i>Advanced Energy Materials</i> , 2015 , 5, 1501404	21.8	93
22	8.6% Efficient CZTSSe Solar Cells Sprayed from Water-Ethanol CZTS Colloidal Solutions. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3763-7	6.4	86
21	Defects in Cu ₂ ZnSn(S,Se) ₄ solar cells studied by photoluminescence, admittance and IVT 2014 ,		1
20	Efficient Cu ₂ ZnSnS ₄ solar cells spray coated from a hydro-alcoholic colloid synthesized by instantaneous reaction. <i>RSC Advances</i> , 2014 , 4, 14655-14662	3.7	35
19	On Charge Carrier Recombination in Sb ₂ S ₃ and Its Implication for the Performance of Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20525-20530	3.8	43
18	Nanocrystalline solar cells with an antimony sulfide solid absorber by atomic layer deposition. <i>Energy and Environmental Science</i> , 2013 , 6, 67-71	35.4	73
17	Thin-film polycrystalline Si solar cells on foreign substrates: film formation at intermediate temperatures (700–300 °C). <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 469-480	2.6	31
16	Optimisation of a combined transient-ion-drift/rapid thermal annealing process for copper detection in silicon. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 102, 218-221	3.1	5
15	Thin-film polysilicon solar cells on foreign substrates using direct thermal CVD: material and solar cell design. <i>Thin Solid Films</i> , 2002 , 403-404, 229-237	2.2	24
14	A two-dimensional modeling of the fine-grained polycrystalline silicon thin-film solar cells. <i>Thin Solid Films</i> , 2002 , 403-404, 258-262	2.2	15
13	EBIC technique applied to polycrystalline silicon thin films: minority carrier diffusion length improvement by hydrogenation. <i>Thin Solid Films</i> , 2002 , 403-404, 549-552	2.2	12

12	Polycrystalline silicon solar cells on mullite substrates. <i>Solar Energy Materials and Solar Cells</i> , 2002 , 71, 245-252	6.4	25
11	Analysis of Cu traces in Si using Transient Ion Drift combined with Rapid Thermal Annealing.. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 719, 13121		1
10	Comparative study of rapid and classical thermal phosphorus diffusion on polycrystalline silicon thin films. <i>Solar Energy Materials and Solar Cells</i> , 2001 , 65, 487-493	6.4	12
9	Three-Dimensional Emitter Based on Locally Enhanced Diffusion (TREBLE) Structure: Modeling and Formation. <i>Solid State Phenomena</i> , 2001 , 82-84, 713-718	0.4	3
8	Nucleation and growth of silicon on ceramic substrates by RTCVD at atmospheric pressure. <i>European Physical Journal Special Topics</i> , 2001 , 11, Pr3-301-Pr3-306		4
7	Impurity diffusion from uncoated foreign substrates during high temperature CVD for thin-film Si solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2000 , 61, 301-309	6.4	10
6	Electronic transport properties of polycrystalline silicon films deposited on ceramic substrates. <i>Physica B: Condensed Matter</i> , 1999 , 273-274, 544-548	2.8	7
5	Silicon deposition on mullite ceramic substrates for thin-film solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 1999 , 7, 437-447	6.8	14
4	Thin-film silicon formation on foreign substrates by rapid thermal chemical vapour deposition for photovoltaic application. <i>Progress in Photovoltaics: Research and Applications</i> , 1998 , 6, 219-231	6.8	3
3	The initial stages of Si thin deposits on foreign substrates in a rapid thermal chemical vapor phase reactor. <i>Materials Science in Semiconductor Processing</i> , 1998 , 1, 293-297	4.3	3
2	Polycrystalline silicon films formation on foreign substrates by a rapid thermal-CVD technique		3
1	Carrier collection in fine-grained p-n junction polysilicon solar cells		1