

Steven T Christensen

List of Publications by Year in descending order

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24
papers

1,264
citations

687363

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752698

20
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docs citations

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times ranked

2637
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive Vapor-Phase Additives toward Destabilizing $\hat{\Gamma}^3$ -Mg(BH ₄) ₂ for Improved Hydrogen Release. ACS Applied Energy Materials, 2022, 5, 1690-1700.	5.1	5
2	Short-Range Order Tunes Optical Properties in Long-Range Disordered ZnSnN ₂ "ZnO Alloy. Chemistry of Materials, 2022, 34, 3910-3919.	6.7	6
3	Al ₂ O ₃ Atomic Layer Deposition on Nanostructured $\hat{\Gamma}^3$ -Mg(BH ₄) ₂ for H ₂ Storage. ACS Applied Energy Materials, 2021, 4, 1150-1162.	5.1	13
4	Utilizing Site Disorder in the Development of New Energy-Relevant Semiconductors. ACS Energy Letters, 2020, 5, 2027-2041.	17.4	46
5	Combinatorial Synthesis of Magnesium Tin Nitride Semiconductors. Journal of the American Chemical Society, 2020, 142, 8421-8430.	13.7	42
6	Carrier lifetimes of $\gt;1 \hat{\Gamma}^4$ s in Sn-Pb perovskites enable efficient all-perovskite tandem solar cells. Science, 2019, 364, 475-479.	12.6	781
7	Energetic effects of hybrid organic/inorganic interfacial architecture on nanoporous black silicon photoelectrodes. Sustainable Energy and Fuels, 2019, 3, 1660-1667.	4.9	8
8	Effect of Window-Layer Materials on p-n Junction Location in Cu(In,Ga)Se ₂ Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 308-312.	2.5	9
9	Dynamics of singlet fission and electron injection in self-assembled acene monolayers on titanium dioxide. Chemical Science, 2018, 9, 3004-3013.	7.4	41
10	Photobleaching dynamics in small molecule <i>vs.</i> $\hat{\Gamma}$ polymer organic photovoltaic blends with 1,7-bis-trifluoromethylfullerene. Journal of Materials Chemistry A, 2018, 6, 4623-4628.	10.3	16
11	Conduction band position tuning and Ga-doping in (Cd,Zn)S alloy thin films. Materials Chemistry Frontiers, 2017, 1, 1342-1348.	5.9	6
12	Soft X-ray absorption spectroscopy investigation of the surface chemistry and treatments of copper indium gallium diselenide (CIGS). Solar Energy Materials and Solar Cells, 2017, 160, 390-397.	6.2	0
13	Silicon Photoelectrode Thermodynamics and Hydrogen Evolution Kinetics Measured by Intensity-Modulated High-Frequency Resistivity Impedance Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 5253-5258.	4.6	16
14	Spectroscopic investigation of nitrogen-functionalized carbon materials. Surface and Interface Analysis, 2016, 48, 283-292.	1.8	16
15	Synthesis of a mixed-valent tin nitride and considerations of its possible crystal structures. Journal of Chemical Physics, 2016, 144, 144201.	3.0	29
16	Understanding and control of bipolar self-doping in copper nitride. Journal of Applied Physics, 2016, 119, .	2.5	30
17	A core-level spectroscopic investigation of the preparation and electrochemical cycling of nitrogen-modified carbon as a model catalyst support. Journal of Materials Chemistry A, 2016, 4, 443-450.	10.3	3
18	Electronic structure study of the CdS buffer layer in CIGS solar cells by X-ray absorption spectroscopy: Experiment and theory. Solar Energy Materials and Solar Cells, 2016, 149, 275-283.	6.2	17

#	ARTICLE	IF	CITATIONS
19	Control of Doping in Cu ₂ SnS ₃ through Defects and Alloying. Chemistry of Materials, 2014, 26, 4951-4959.	6.7	136
20	In situ small-angle x-ray scattering analysis of improved catalyst-support interactions through nitrogen modification. MRS Communications, 2012, 2, 85-89.	1.8	10
21	Optical properties of Zn(O,S) thin films deposited by RF sputtering, atomic layer deposition, and chemical bath deposition. , 2012, , .		0
22	Controlled Pt Coverage for Extended Thin Film Catalyst ORR Studies via Templated Gas Phase Synthesis. ECS Meeting Abstracts, 2012, , .	0.0	0
23	Pt-Ru Alloyed Fuel Cell Catalysts Sputtered from a Single Alloyed Target. ACS Catalysis, 2011, 1, 1307-1315.	11.2	32
24	Novel transparent conducting barriers for photovoltaics. , 2010, , .		2