

Hugo K Christenson

List of Publications by Year in descending order

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papers

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citations

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37
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37
all docs

37
docs citations

37
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	Active sites for ice nucleation differ depending on nucleation mode. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
2	Exploiting Confinement to Study the Crystallization Pathway of Calcium Sulfate. Advanced Functional Materials, 2021, 31, 2107312.	14.9	11
3	High-speed imaging of ice nucleation in water proves the existence of active sites. Science Advances, 2019, 5, eaav4316.	10.3	87
4	Self-Assembly of Chiral Menthol Molecules from a Liquid Film into Ring-Banded Spherulites. Crystal Growth and Design, 2019, 19, 4063-4069.	3.0	8
5	Dynamic Measurement of Low Contact Angles by Optical Microscopy. ACS Applied Materials & Interfaces, 2018, 10, 16893-16900.	8.0	12
6	Nucleation- and Emergence-Limited Growth of Ice from Pores. Physical Review Letters, 2018, 120, 165701.	7.8	43
7	Confinement generates single-crystal aragonite rods at room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7670-7675.	7.1	61
8	Ice Layer Spreading along a Solid Substrate during Solidification of Supercooled Water: Experiments and Modeling. Langmuir, 2017, 33, 4870-4877.	3.5	34
9	Observing the formation of ice and organic crystals in active sites. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 810-815.	7.1	66
10	Using Confinement To Study the Crystallization Pathway of Calcium Carbonate. Crystal Growth and Design, 2017, 17, 6787-6792.	3.0	22
11	The Effect of Additives on the Early Stages of Growth of Calcite Single Crystals. Angewandte Chemie - International Edition, 2017, 56, 11885-11890.	13.8	46
12	The Effect of Additives on the Early Stages of Growth of Calcite Single Crystals. Angewandte Chemie, 2017, 129, 12047-12052.	2.0	12
13	The role of phase separation and related topography in the exceptional ice-nucleating ability of alkali feldspars. Physical Chemistry Chemical Physics, 2017, 19, 31186-31193.	2.8	63
14	The nature of the air-cleaved mica surface. Surface Science Reports, 2016, 71, 367-390.	7.2	103
15	Effect of Nanoscale Confinement on the Crystallization of Potassium Ferrocyanide. Crystal Growth and Design, 2016, 16, 5403-5411.	3.0	22
16	One-step fabrication of hollow-channel gold nanoflowers with excellent catalytic performance and large single-particle SERS activity. Nanoscale, 2016, 8, 14932-14942.	5.6	38
17	Is Ice Nucleation from Supercooled Water Insensitive to Surface Roughness?. Journal of Physical Chemistry C, 2015, 119, 1164-1169.	3.1	85
18	Dehydration and crystallization of amorphous calcium carbonate in solution and in air. Nature Communications, 2014, 5, 3169.	12.8	265

#	ARTICLE	IF	CITATIONS
19	Confinement Increases the Lifetimes of Hydroxyapatite Precursors. <i>Chemistry of Materials</i> , 2014, 26, 5830-5838.	6.7	48
20	Crystal Patterns Created by Rupture of a Thin Film. <i>Crystal Growth and Design</i> , 2013, 13, 5062-5067.	3.0	14
21	Two-step crystal nucleation via capillary condensation. <i>CrystEngComm</i> , 2013, 15, 2030.	2.6	68
22	Confinement Leads to Control over Calcium Sulfate Polymorph. <i>Advanced Functional Materials</i> , 2013, 23, 5615-5623.	14.9	56
23	Characterization of Preferred Crystal Nucleation Sites on Mica Surfaces. <i>Crystal Growth and Design</i> , 2013, 13, 1915-1925.	3.0	16
24	Stability, resolution, and ultra-low wear amplitude modulation atomic force microscopy of DNA: Small amplitude small set-point imaging. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	35
25	A new precipitation pathway for calcium sulfate dihydrate (gypsum) via amorphous and hemihydrate intermediates. <i>Chemical Communications</i> , 2012, 48, 504-506.	4.1	143
26	A two-step mechanism for crystal nucleation without supersaturation. <i>Faraday Discussions</i> , 2012, 159, 123.	3.2	18
27	Early Stages of Crystallization of Calcium Carbonate Revealed in Picoliter Droplets. <i>Journal of the American Chemical Society</i> , 2011, 133, 5210-5213.	13.7	105
28	Capillarity Creates Single-Crystal Calcite Nanowires from Amorphous Calcium Carbonate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12572-12577.	13.8	90
29	Amorphous Calcium Carbonate is Stabilized in Confinement. <i>Advanced Functional Materials</i> , 2010, 20, 2108-2115.	14.9	157
30	Capillary Condensation of Water between Mica Surfaces above and below Zero-Effect of Surface Ions. <i>Langmuir</i> , 2009, 25, 9908-9912.	3.5	15
31	Thermodynamic and kinetic supercooling of liquid in a wedge pore. <i>Journal of Chemical Physics</i> , 2008, 129, 154509.	3.0	23
32	Phase Behavior in Confinement Studied with a Surface Force Apparatus. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 617-624.	2.4	6
33	Particles on Melt-Cut Mica Sheets Are Platinum. <i>Langmuir</i> , 2003, 19, 975-976.	3.5	21
34	The Effect of Humidity on the Stability of an Octadecyltriethoxysilane Monolayer Self-Assembled on Untreated and Plasma-Treated Mica. <i>Langmuir</i> , 2002, 18, 2125-2129.	3.5	28
35	Confinement effects on freezing and melting. <i>Journal of Physics Condensed Matter</i> , 2001, 13, R95-R133.	1.8	491
36	Phase Behavior of Long-Chain n-Alkanes at One and between Two Mica Surfaces. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5906-5913.	2.6	29