

Sven HovmÅgller

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,051
citations

840585

11
h-index

1125617

13
g-index

20
all docs

20
docs citations

20
times ranked

1258
citing authors

#	ARTICLE	IF	CITATIONS
1	Twining and intertwined microcrystals in an intriguing, yet elusive, mineral. <i>IUCrJ</i> , 2020, 7, 951-952.	1.0	0
2	3D Electron Diffraction: The Nanocrystallography Revolution. <i>ACS Central Science</i> , 2019, 5, 1315-1329.	5.3	286
3	A Rare Lysozyme Crystal Form Solved Using Highly Redundant Multiple Electron Diffraction Datasets from Micron-Sized Crystals. <i>Structure</i> , 2018, 26, 667-675.e3.	1.6	62
4	Influence of mutations at the proximal histidine position on the Fe-O ₂ bond in hemoglobin from density functional theory. <i>Journal of Chemical Physics</i> , 2016, 144, 095101.	1.2	2
5	Three-dimensional electron diffraction as a complementary technique to powder X-ray diffraction for phase identification and structure solution of powders. <i>IUCrJ</i> , 2015, 2, 267-282.	1.0	59
6	Structures of pseudo-decagonal approximants in Al ¹³ Co ¹⁰ Ni. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 2949-2959.	1.6	14
7	Quantitative Electron Diffraction for Crystal Structure Determination. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1184, 31.	0.1	0
8	Why are both ends of the polypeptide chain on the outside of proteins?. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 55, 219-222.	1.5	4
9	The 3D structure of a complex quasicrystal approximant determined by electron crystallography. <i>Microscopy and Microanalysis</i> , 2002, 8, 96-97.	0.2	0
10	Conformations of amino acids in proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 768-776.	2.5	246
11	Structural Characterization of Aluminum Phosphate Binder. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1834-1836.	1.9	44
12	Measurement of crystal thickness and crystal tilt from HRTEM images and a way to correct for their effects. , 1999, 46, 147-159.		14
13	Inorganic Crystal Structures Solved from EM Images and Refined to 0.02 Å Accuracy Against Electron Diffraction Data. <i>Microscopy and Microanalysis</i> , 1997, 3, 1141-1142.	0.2	0
14	The Relation Between the Phase of the Electron Wave (Which is Lost When an Em Image is Recorded) and the Preserved Crystallographic Structure Factor Phases. <i>Microscopy and Microanalysis</i> , 1997, 3, 1027-1028.	0.2	0
15	A crystal structure determined with 0.02 Å... accuracy by electron microscopy. <i>Nature</i> , 1996, 382, 144-146.	13.7	159
16	Correcting for crystal tilt in HRTEM images of minerals: the case of orthopyroxene. <i>Physics and Chemistry of Minerals</i> , 1995, 22, 517.	0.3	11
17	A three-dimensional structure model of eight-fold quasicrystals obtained by high-resolution electron microscopy. <i>Philosophical Magazine Letters</i> , 1995, 71, 123-129.	0.5	14
18	An octagonal quasicrystal structure model with 8 ₃ screw axes. <i>Philosophical Magazine Letters</i> , 1991, 64, 83-88.	0.5	16

#	ARTICLE	IF	CITATIONS
19	Accurate atomic positions from electron microscopy. <i>Nature</i> , 1984, 311, 238-241.	13.7	120