

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	3D Electron Diffraction: The Nanocrystallography Revolution. ACS Central Science, 2019, 5, 1315-1329.	5.3	286
2	Conformations of amino acids in proteins. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 768-776.	2.5	246
3	A crystal structure determined with 0.02 Å... accuracy by electron microscopy. Nature, 1996, 382, 144-146.	13.7	159
4	Accurate atomic positions from electron microscopy. Nature, 1984, 311, 238-241.	13.7	120
5	A Rare Lysozyme Crystal Form Solved Using Highly Redundant Multiple Electron Diffraction Datasets from Micron-Sized Crystals. Structure, 2018, 26, 667-675.e3.	1.6	62
6	Three-dimensional electron diffraction as a complementary technique to powder X-ray diffraction for phase identification and structure solution of powders. IUCrJ, 2015, 2, 267-282.	1.0	59
7	Structural Characterization of Aluminum Phosphate Binder. Journal of the American Ceramic Society, 2000, 83, 1834-1836.	1.9	44
8	An octagonal quasicrystal structure model with $8\langle 3 \rangle$ screw axes. Philosophical Magazine Letters, 1991, 64, 83-88.	0.5	16
9	A three-dimensional structure model of eight-fold quasicrystals obtained by high-resolution electron microscopy. Philosophical Magazine Letters, 1995, 71, 123-129.	0.5	14
10	Measurement of crystal thickness and crystal tilt from HRTEM images and a way to correct for their effects. , 1999, 46, 147-159.		14
11	Structures of pseudo-decagonal approximants in $\text{Al}^{2+}\text{Co}^{2+}\text{Ni}$. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 2949-2959.	1.6	14
12	Correcting for crystal tilt in HRTEM images of minerals: the case of orthopyroxene. Physics and Chemistry of Minerals, 1995, 22, 517.	0.3	11
13	Why are both ends of the polypeptide chain on the outside of proteins?. Proteins: Structure, Function and Bioinformatics, 2004, 55, 219-222.	1.5	4
14	Influence of mutations at the proximal histidine position on the Fe^{2+}O_2 bond in hemoglobin from density functional theory. Journal of Chemical Physics, 2016, 144, 095101.	1.2	2
15	Inorganic Crystal Structures Solved from EM Images and Refined to 0.02 Å Accuracy Against Electron Diffraction Data. Microscopy and Microanalysis, 1997, 3, 1141-1142.	0.2	0
16	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. Microscopy and Microanalysis, 1997, 3, 1027-1028.	0.2	0
17	The 3D structure of a complex quasicrystal approximant determined by electron crystallography. Microscopy and Microanalysis, 2002, 8, 96-97.	0.2	0
18	Quantitative Electron Diffraction for Crystal Structure Determination. Materials Research Society Symposia Proceedings, 2009, 1184, 31.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Twinning and intertwined microcrystals in an intriguing, yet elusive, mineral. IUCrJ, 2020, 7, 951-952.	1.0	0