

Werner F Kuhs

List of Publications by Year in descending order

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17
papers

1,177
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of methane filled hexagonal ice stable up to 150 GPa. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16204-16209.	7.1	22
2	Quantum Dynamics of H ₂ and D ₂ Confined in Hydrate Structures as a Function of Pressure and Temperature. Journal of Physical Chemistry C, 2019, 123, 1888-1903.	3.1	12
3	<i>FXD-CSD-GUI</i>: a graphical user interface for the X-ray-diffraction-based determination of crystallite size distributions. Journal of Applied Crystallography, 2019, 52, 1437-1439.	4.5	1
4	Orientational Ordering, Locking-in, and Distortion of CH ₄ Molecules in Methane Hydrate III under High Pressure. Journal of Physical Chemistry C, 2018, 122, 11159-11166.	3.1	15
5	Determination of crystal size distributions in alumina ceramics by a novel X-ray diffraction procedure. Journal of the American Ceramic Society, 2018, 101, 1381-1392.	3.8	6
6	A fast X-ray-diffraction-based method for the determination of crystal size distributions (FXD-CSD). Journal of Applied Crystallography, 2018, 51, 1352-1371.	4.5	3
7	Filling Ices with Helium and the Formation of Helium Clathrate Hydrate. Journal of Physical Chemistry Letters, 2018, 9, 3194-3198.	4.6	35
8	Time Resolved Coarsening of Clathrate Crystals: The Case of Gas Hydrates. Crystal Growth and Design, 2017, 17, 2458-2472.	3.0	32
9	Fast methane diffusion at the interface of two clathrate structures. Nature Communications, 2017, 8, 1076.	12.8	25
10	A Chiral Gas Hydrate Structure Common to the Carbon Dioxide-Water and Hydrogen-Water Systems. Journal of Physical Chemistry Letters, 2017, 8, 4295-4299.	4.6	34
11	Synchrotron X-ray computed microtomography study on gas hydrate decomposition in a sedimentary matrix. Geochemistry, Geophysics, Geosystems, 2016, 17, 3717-3732.	2.5	173
12	Formation and properties of ice XVI obtained by emptying a type sII clathrate hydrate. Nature, 2014, 516, 231-233.	27.8	265
13	Kinetics of CO ₂ Hydrate Formation from Water Frost at Low Temperatures: Experimental Results and Theoretical Model. Journal of Physical Chemistry C, 2011, 115, 4022-4032.	3.1	63
14	Kinetics of Methane-Ethane Gas Replacement in Clathrate-Hydrates Studied by Time-Resolved Neutron Diffraction and Raman Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 247-255.	2.5	42
15	Formation of Methane Hydrate from Polydisperse Ice Powders. Journal of Physical Chemistry B, 2006, 110, 13283-13295.	2.6	117
16	Formation of Porous Gas Hydrates from Ice Powders: X-ray Diffraction Experiments and Multistage Model. Journal of Physical Chemistry B, 2003, 107, 10299-10311.	2.6	253
17	Formation, stability, and structure of helium hydrate at high pressure. Journal of Chemical Physics, 1992, 97, 547-552.	3.0	79