

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