

# Huijeong Hwang

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

195  
citations

1040056

9  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

318  
citing authors

#	ARTICLE	IF	CITATIONS
1	A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017, 10, 947-953.	12.9	47
2	Subnanosecond phase transition dynamics in laser-shocked iron. <i>Science Advances</i> , 2020, 6, eaaz5132.	10.3	29
3	Novel experimental setup for megahertz X-ray diffraction in a diamond anvil cell at the High Energy Density (HED) instrument of the European X-ray Free-Electron Laser (EuXFEL). <i>Journal of Synchrotron Radiation</i> , 2021, 28, 688-706.	2.4	21
4	Synthesis of large and homogeneous single crystals of water-bearing minerals by slow cooling at deep-mantle pressures. <i>American Mineralogist</i> , 2015, 100, 1483-1492.	1.9	20
5	X-ray Free Electron Laser-Induced Synthesis of $\mu$ -Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3246-3252.	4.6	14
6	Effect of Pressure Treatment on the Specific Surface Area in Kaolin Group Minerals. <i>Crystals</i> , 2019, 9, 528.	2.2	12
7	Intense Reactivity in Sulfur-Hydrogen Mixtures at High Pressure under X-ray Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1828-1834.	4.6	11
8	The stability of subducted glaucophane with the Earth's secular cooling. <i>Nature Communications</i> , 2021, 12, 1496.	12.8	10
9	X-ray free electron laser heating of water and gold at high static pressure. <i>Communications Materials</i> , 2021, 2, .	6.9	9
10	Pressure-Induced Hydration and Formation of Bilayer Ice in Nacrite, a Kaolin-Group Clay. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 183-188.	2.7	8
11	A role for subducted albite in the water cycle and alkalinity of subduction fluids. <i>Nature Communications</i> , 2021, 12, 1155.	12.8	6
12	Super-hydration and reduction of manganese oxide minerals at shallow terrestrial depths. <i>Nature Communications</i> , 2022, 13, 1942.	12.8	5
13	Topotactic and reconstructive changes at high pressures and temperatures from Cs-natroilite to Cs-hexacelsian. <i>American Mineralogist</i> , 2015, 100, 1562-1567.	1.9	3
14	Dynamic compression and time-resolved XRD across the phase boundaries of the high-P polymorphs of CaCO <sub>3</sub> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s358-s358.	0.1	0