

# Zhixue Du

## List of Publications by Year in descending order

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docs citations

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548  
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#	ARTICLE	IF	CITATIONS
1	High Temperature Melting Curve of Basaltic Glass by Laser Flash Heating. Chinese Physics Letters, 2022, 39, 020701.	1.3	2
2	Incompatibility of argon during magma ocean crystallization. Earth and Planetary Science Letters, 2021, 553, 116598.	1.8	4
3	A magma ocean origin to divergent redox evolutions of rocky planetary bodies and early atmospheres. Nature Communications, 2020, 11, 2007.	5.8	44
4	Fate of Hydrous Fe-Rich Silicate Melt in Earth's Deep Mantle. Geophysical Research Letters, 2019, 46, 9466-9473.	1.5	9
5	Geodynamo Conductivity Limits. Geophysical Research Letters, 2019, 46, 7982-7989.	1.5	17
6	An essential role for sulfur in sulfide-silicate melt partitioning of gold and magmatic gold transport at subduction settings. Earth and Planetary Science Letters, 2019, 528, 115850.	1.8	33
7	Experimental Constraints on an MgO Exsolution-Driven Geodynamo. Geophysical Research Letters, 2019, 46, 7379-7385.	1.5	17
8	Petrology and age of Precambrian Aksu blueschist, NW China. Precambrian Research, 2019, 326, 295-311.	1.2	31
9	Early episodes of high-pressure core formation preserved in plume mantle. Nature, 2018, 553, 491-495.	13.7	38
10	The influence of wavelength-dependent absorption and temperature gradients on temperature determination in laser-heated diamond-anvil cells. Journal of Applied Physics, 2017, 121, .	1.1	26
11	Insufficient Energy From MgO Exsolution to Power Early Geodynamo. Geophysical Research Letters, 2017, 44, 11,376.	1.5	24
12	Experimental Constraints on Ferropericlase (Mg, Fe)O Melt Viscosity Up to 70 GPa. Geophysical Research Letters, 2017, 44, 12,190.	1.5	1
13	Using stepped anvils to make even insulation layers in laser-heated diamond-anvil cell samples. Review of Scientific Instruments, 2015, 86, 095103.	0.6	9
14	Plastic anisotropy and slip systems in ringwoodite deformed to high shear strain in the Rotational Drickamer Apparatus. Physics of the Earth and Planetary Interiors, 2014, 228, 244-253.	0.7	22
15	High-pressure melting of MgO from (Mg,Fe)O solid solutions. Geophysical Research Letters, 2014, 41, 8061-8066.	1.5	47
16	Plastic deformation experiments to high strain on mantle transition zone minerals wadsleyite and ringwoodite in the rotational Drickamer apparatus. Earth and Planetary Science Letters, 2013, 361, 7-15.	1.8	27
17	Efficient graphite ring heater suitable for diamond-anvil cells to 1300 K. Review of Scientific Instruments, 2013, 84, 024502.	0.6	27
18	Mapping temperatures and temperature gradients during flash heating in a diamond-anvil cell. Review of Scientific Instruments, 2013, 84, 075111.	0.6	38