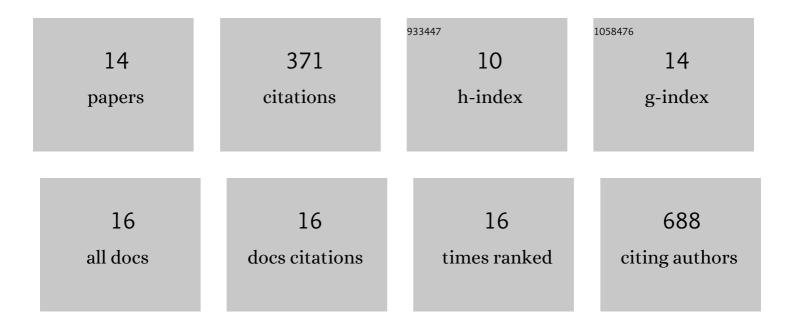
## **Philippe Gillet**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Composition and Pressure Effects on Partitioning of Ferrous Iron in Iron-Rich Lower Mantle Heterogeneities. Minerals (Basel, Switzerland), 2021, 11, 512.	2.0	3
2	Investigating Magma Ocean Solidification on Earth Through Laserâ€Heated Diamond Anvil Cell Experiments. Geophysical Research Letters, 2021, 48, e2021GL092446.	4.0	12
3	Effects of composition and pressure on electronic states of iron in bridgmanite. American Mineralogist, 2020, 105, 1030-1039.	1.9	7
4	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
5	A large planetary body inferred from diamond inclusions in a ureilite meteorite. Nature Communications, 2018, 9, 1327.	12.8	56
6	Orientational Ordering, Locking-in, and Distortion of CH <sub>4</sub> Molecules in Methane Hydrate III under High Pressure. Journal of Physical Chemistry C, 2018, 122, 11159-11166.	3.1	15
7	Framing planetary health: arguing for resource-centred science. Lancet Planetary Health, The, 2018, 2, e101-e102.	11.4	53
8	Highly Oriented Atomically Thin Ambipolar MoSe <sub>2</sub> Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 6355-6361.	14.6	64
9	Electron Energy Loss Near Edge Structures as a Tool to Elucidate Natural and Artificial Minerals Structures. Microscopy and Microanalysis, 2017, 23, 2154-2155.	0.4	1
10	Geochemical Constraints on the Size of the Moonâ€Forming Giant Impact. Geophysical Research Letters, 2017, 44, 11,770.	4.0	10
11	Spin and valence dependence of iron partitioning in Earth's deep mantle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11127-11130.	7.1	45
12	Electronic transitions of iron in almandine-composition glass to 91 GPa. American Mineralogist, 2016, 101, 1659-1667.	1.9	9
13	Effect of salt on the H-bond symmetrization in ice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8216-8220.	7.1	58
14	Composition dependence of spin transition in (Mg,Fe)SiO <sub>3</sub> bridgmanite. American Mineralogist, 2015, 100, 2246-2253.	1.9	16