

# Philippe Gillet

## List of Publications by Year in descending order

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14  
papers

371  
citations

933447

10  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

688  
citing authors

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