

Philippe Gillet

List of Publications by Year in descending order

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14
papers

371
citations

933447

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h-index

1058476

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g-index

16
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16
docs citations

16
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Oriented Atomically Thin Ambipolar MoSe ₂ Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 6355-6361.	14.6	64
2	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
3	A large planetary body inferred from diamond inclusions in a ureilite meteorite. Nature Communications, 2018, 9, 1327.	12.8	56
4	Framing planetary health: arguing for resource-centred science. Lancet Planetary Health, The, 2018, 2, e101-e102.	11.4	53
5	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
6	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
7	Composition dependence of spin transition in (Mg,Fe)SiO ₃ bridgmanite. American Mineralogist, 2015, 100, 2246-2253.	1.9	16
8	Orientational Ordering, Locking-in, and Distortion of CH ₄ Molecules in Methane Hydrate III under High Pressure. Journal of Physical Chemistry C, 2018, 122, 11159-11166.	3.1	15
9	Investigating Magma Ocean Solidification on Earth Through Laser-Heated Diamond Anvil Cell Experiments. Geophysical Research Letters, 2021, 48, e2021GL092446.	4.0	12
10	Geochemical Constraints on the Size of the Moon-Forming Giant Impact. Geophysical Research Letters, 2017, 44, 11,770.	4.0	10
11	Electronic transitions of iron in almandine-composition glass to 91 GPa. American Mineralogist, 2016, 101, 1659-1667.	1.9	9
12	Effects of composition and pressure on electronic states of iron in bridgmanite. American Mineralogist, 2020, 105, 1030-1039.	1.9	7
13	Composition and Pressure Effects on Partitioning of Ferrous Iron in Iron-Rich Lower Mantle Heterogeneities. Minerals (Basel, Switzerland), 2021, 11, 512.	2.0	3
14	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