

Laurent Tissandier

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

778
citations

687363

13
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Uranium solubility and speciation in reductive soda-lime aluminosilicate glass melts. <i>Journal of Nuclear Materials</i> , 2021, 544, 152666.	2.7	5
2	Redox and structural controls on tin isotopic fractionations among magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 268, 42-55.	3.9	15
3	Oxygen fugacity and melt composition controls on nitrogen solubility in silicate melts. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 120-133.	3.9	28
4	Deciphering the conditions of tochilinite and cronstedtite formation in <sc>CM</sc> chondrites from low temperature hydrothermal experiments. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1870-1889.	1.6	61
5	The diffusion coefficients of noble gases (He Ar) in a synthetic basaltic liquid: One-dimensional diffusion experiments. <i>Chemical Geology</i> , 2018, 480, 35-43.	3.3	6
6	High-temperature Ionization-induced Synthesis of Biologically Relevant Molecules in the Protosolar Nebula. <i>Astrophysical Journal</i> , 2018, 859, 142.	4.5	12
7	Hafnium solubility determination in soda-lime aluminosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 13-24.	3.1	5
8	A magmatic origin for silica-rich glass inclusions hosted in porphyritic magnesian olivines in chondrules: An experimental study. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 204, 19-31.	3.9	6
9	Influence of glass composition on secondary ion mass spectrometry instrumental mass fractionation for Si and Ca isotopic analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 351-361.	1.5	2
10	Processes of noble gas elemental and isotopic fractionations in plasma-produced organic solids: Cosmochemical implications. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 217, 219-230.	3.9	13
11	Origin of Na in glass inclusions hosted in olivine from Allende CV3 and Jbilet Winselwan CM2: Implications for chondrule formation. <i>Earth and Planetary Science Letters</i> , 2017, 474, 160-171.	4.4	4
12	Olivine dissolution in molten silicates: An experimental study with application to chondrule formation. <i>Meteoritics and Planetary Science</i> , 2017, 52, 225-250.	1.6	25
13	A new heating stage for high Temperature/low fO ₂ conditions. <i>Journal of Crystal Growth</i> , 2017, 458, 72-79.	1.5	2
14	Magmatic sulfides in the porphyritic chondrules of EH enstatite chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 84-99.	3.9	37
15	Multidiffusion mechanisms for noble gases (He, Ne, Ar) in silicate glasses and melts in the transition temperature domain: Implications for glass polymerization. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 107-126.	3.9	13
16	Synthesis of refractory organic matter in the ionized gas phase of the solar nebula. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7129-7134.	7.1	43
17	Contrasted Liquid Lines of Descent Revealed by Olivine-hosted Melt Inclusions and the External Magma. <i>Journal of Petrology</i> , 2014, 55, 1779-1798.	2.8	14
18	Magma redox and structural controls on iron isotope variations in Earth's mantle and crust. <i>Earth and Planetary Science Letters</i> , 2014, 398, 127-140.	4.4	214

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19	Nitrogen isotopic fractionation during abiotic synthesis of organic solid particles. <i>Earth and Planetary Science Letters</i> , 2014, 393, 2-13.	4.4	26
20	Incorporation of Zn in the destabilization products of muscovite at 1175 °C under disequilibrium conditions, and implications for heavy metal sequestration. <i>American Mineralogist</i> , 2013, 98, 932-945.	1.9	0
21	Origin of glass inclusions hosted in magnesian porphyritic olivines chondrules: Deciphering planetesimal compositions. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 1-8.	4.4	11
22	Na ₂ O solubility in CaO-MgO-SiO ₂ melts. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 608-628.	3.9	25
23	Control of alkali-metal oxide activity in molten silicates. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5079-5083.	3.1	22
24	Type C Ca, Al-rich inclusions from Allende: Evidence for multistage formation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4342-4364.	3.9	49
25	Role of gas-melt interaction during chondrule formation. <i>Earth and Planetary Science Letters</i> , 2006, 251, 232-240.	4.4	140