

# Guilherme Mallmann

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,423  
citations

567281

15  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1365  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Macquarie Deformation-DIA facility at the Australian Synchrotron: A tool for high-pressure, high-temperature experiments with synchrotron radiation. <i>Review of Scientific Instruments</i> , 2020, 91, 114501.	1.3	3
2	Calibration of high-temperature furnace assemblies for experiments between 200 and 600 MPa with end-loaded piston-cylinder apparatuses. <i>Brazilian Journal of Geology</i> , 2019, 49, .	0.7	2
3	The oxidation state of iron in Mid-Ocean Ridge Basaltic (MORB) glasses: Implications for their petrogenesis and oxygen fugacities. <i>Earth and Planetary Science Letters</i> , 2018, 504, 152-162.	4.4	91
4	Calibration of an Empirical Thermometer and Oxybarometer based on the Partitioning of Sc, Y and V between Olivine and Silicate Melt. <i>Journal of Petrology</i> , 2014, 55, 1241-1241.	2.8	0
5	An experimental study of the partitioning of trace elements between rutile and silicate melt as a function of oxygen fugacity. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 1609-1629.	0.8	12
6	Redox controls on tungsten and uranium crystal/silicate melt partitioning and implications for the U/W and Th/W ratio of the lunar mantle. <i>Earth and Planetary Science Letters</i> , 2014, 404, 1-13.	4.4	40
7	Ba isotopic compositions in stardust SiC grains from the Murchison meteorite: Insights into the stellar origins of large SiC grains. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 628-647.	3.9	15
8	Calibration of an Empirical Thermometer and Oxybarometer based on the Partitioning of Sc, Y and V between Olivine and Silicate Melt. <i>Journal of Petrology</i> , 2013, 54, 933-949.	2.8	102
9	LA-ICP-MS mapping of olivine from the Brahin and Brenham meteorites: Complex elemental distributions in the pallasite olivine precursor. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 1-17.	3.9	16
10	New constraints on the genesis and long-term stability of Os-rich alloys in the Earth's mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 87, 227-242.	3.9	97
11	Time constraints on magmatism along the Major Gercino Shear Zone, southern Brazil: Implications for West Gondwana reconstruction. <i>Gondwana Research</i> , 2012, 22, 184-199.	6.0	78
12	Solubility of Os and Ir in sulfide melt: Implications for Re/Os fractionation during mantle melting. <i>Earth and Planetary Science Letters</i> , 2011, 311, 339-350.	4.4	76
13	Heterogeneous distribution of phosphorus in olivine from otherwise well-equilibrated spinel peridotite xenoliths and its implications for the mantle geochemistry of lithium. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 485-504.	3.1	61
14	The Crystal/Melt Partitioning of V during Mantle Melting as a Function of Oxygen Fugacity Compared with some other Elements (Al, P, Ca, Sc, Ti, Cr, Fe, Ga, Y, Zr and Nb). <i>Journal of Petrology</i> , 2009, 50, 1765-1794.	2.8	368
15	How chalcophile is rhenium? An experimental study of the solubility of Re in sulphide mattes. <i>Earth and Planetary Science Letters</i> , 2007, 260, 537-548.	4.4	84
16	The effect of oxygen fugacity on the partitioning of Re between crystals and silicate melt during mantle melting. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2837-2857.	3.9	130
17	Isotope geochemistry and geochronology of the Nico Pérez Terrane, Rio de la Plata Craton, Uruguay. <i>Gondwana Research</i> , 2007, 12, 489-508.	6.0	87
18	Combined stratigraphic and isotopic studies of Triassic strata, Cuyo Basin, Argentine Precordillera. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 1088-1098.	3.3	43

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19	Andean subduction-related mantle xenoliths: Isotopic evidence of Sr–Nd decoupling during metasomatism. <i>Lithos</i> , 2005, 82, 273-287.	1.4	34
20	Mantle diversity beneath the Colombian Andes, Northern Volcanic Zone: Constraints from Sr and Nd isotopes. <i>Lithos</i> , 2005, 82, 471-484.	1.4	30
21	Spinel-facies mantle xenoliths from Cerro Redondo, Argentine Patagonia: Petrographic, geochemical, and isotopic evidence of interaction between xenoliths and host basalt. <i>Lithos</i> , 2005, 82, 485-502.	1.4	35
22	Thermal evolution of inverted basins: Constraints from apatite fission track thermochronology in the Cuyo Basin, Argentine Precordillera. <i>Radiation Measurements</i> , 2005, 39, 603-611.	1.4	8