

Manuel Munoz

List of Publications by Year in descending order

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38
papers

2,444
citations

218677

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315739

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docs citations

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times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Foliar Lead Uptake by Lettuce Exposed to Atmospheric Fallouts. <i>Environmental Science & Technology</i> , 2010, 44, 1036-1042.	10.0	342
2	Continuous Cauchy wavelet transform analyses of EXAFS spectra: A qualitative approach. <i>American Mineralogist</i> , 2003, 88, 694-700.	1.9	194
3	Fe ³⁺ /Fe ²⁺ mapping at the thin section scale and comparison with XANES mapping: application to a garnet-bearing metapelite from the Sambagawa metamorphic belt (Japan). <i>Journal of Metamorphic Geology</i> , 2006, 24, 669-683.	3.4	175
4	The time-resolved and extreme conditions XAS (TEXAS) facility at the European Synchrotron Radiation Facility: the general-purpose EXAFS bending-magnet beamline BM23. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1548-1554.	2.4	140
5	⁵⁷ Fe XANES study of iron redox state in serpentine during oceanic serpentinization. <i>Lithos</i> , 2013, 178, 70-83.	1.4	133
6	Mineralogical evidence for H ₂ degassing during serpentinization at 300°C/300bar. <i>Earth and Planetary Science Letters</i> , 2011, 303, 281-290.	4.4	121
7	Energy-dispersive absorption spectroscopy for hard-X-ray micro-XAS applications. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 351-358.	2.4	119
8	Distribution and oxidation state of Ge, Cu and Fe in sphalerite by ⁶⁷ Zn-XRF and K-edge ⁵⁷ Fe-XANES: insights into Ge incorporation, partitioning and isotopic fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 177, 298-314.	3.9	92
9	Evolution of Fe redox state in serpentine during subduction. <i>Earth and Planetary Science Letters</i> , 2014, 400, 206-218.	4.4	89
10	Transition elements in water-bearing silicate glasses/melts. part I. a high-resolution and anharmonic analysis of Ni coordination environments in crystals, glasses, and melts. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1665-1678.	3.9	77
11	Redox state of iron during high-pressure serpentinite dehydration. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	76
12	Occurrence, composition and growth of polyhedral serpentine. <i>European Journal of Mineralogy</i> , 2008, 20, 159-171.	1.3	71
13	Ce(III) and Ce(IV) (re)distribution and fractionation in a laterite profile from Madagascar: Insights from in situ XANES spectroscopy at the Ce LIII-edge. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 153, 134-148.	3.9	67
14	Experimental evidence for perovskite and post-perovskite coexistence throughout the whole D ³ region. <i>Earth and Planetary Science Letters</i> , 2010, 293, 90-96.	4.4	66
15	Redox and speciation micromapping using dispersive X-ray absorption spectroscopy: Application to iron in chlorite mineral of a metamorphic rock thin section. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	64
16	Ni cycling in mangrove sediments from New Caledonia. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 82-98.	3.9	55
17	Deciphering temperature, pressure and oxygen-activity conditions of chlorite formation. <i>Clay Minerals</i> , 2016, 51, 615-633.	0.6	53
18	The relative distribution of critical (Sc, REE) and transition metals (Ni, Co, Cr, Mn, V) in some Ni-laterite deposits of New Caledonia. <i>Journal of Geochemical Exploration</i> , 2019, 197, 93-113.	3.2	50

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19	Petrology and geochemistry of scandium in New Caledonian Ni-Co laterites. <i>Journal of Geochemical Exploration</i> , 2019, 196, 131-155.	3.2	42
20	Dissolution-precipitation processes governing the carbonation and silicification of the serpentinite sole of the New Caledonia ophiolite. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	38
21	Iron oxidation state in phyllosilicate single crystals using Fe-K pre-edge and XANES spectroscopy: Effects of the linear polarization of the synchrotron X-ray beam. <i>American Mineralogist</i> , 2013, 98, 1187-1197.	1.9	36
22	Behavior of critical metals in metamorphosed Pb-Zn ore deposits: example from the Pyrenean Axial Zone. <i>Mineralium Deposita</i> , 2021, 56, 685-705.	4.1	35
23	Transition elements in water-bearing silicate glasses/melts. part II. Ni in water-bearing glasses. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1679-1693.	3.9	33
24	Redistribution of germanium during dynamic recrystallization of sphalerite. <i>Geology</i> , 2020, 48, 236-241.	4.4	33
25	Role of iron content on serpentinite dehydration depth in subduction zones: Experiments and thermodynamic modeling. <i>Lithos</i> , 2016, 264, 441-452.	1.4	28
26	Experimental insight into redox transfer by iron- and sulfur-bearing serpentinite dehydration in subduction zones. <i>Earth and Planetary Science Letters</i> , 2017, 479, 133-143.	4.4	27
27	Temperature micro-mapping in oscillatory-zoned chlorite: Application to study of a green-schist facies fault zone in the Pyrenean Axial Zone (Spain). <i>American Mineralogist</i> , 2015, 100, 2468-2483.	1.9	26
28	Hyperspectral $\text{Fe L}_{2,3}$ -XANES mapping in the diamond-anvil cell: analytical procedure applied to the decomposition of (Mg,Fe)-ringwoodite at the upper/lower mantle boundary. <i>High Pressure Research</i> , 2008, 28, 665-673.	1.2	25
29	Ferric iron and water incorporation in wadsleyite under hydrous and oxidizing conditions: A XANES, Mossbauer, and SIMS study. <i>American Mineralogist</i> , 2012, 97, 1483-1493.	1.9	24
30	Development of micro-XANES mapping in the diamond anvil cell. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 376-379.	2.4	23
31	Germanium Crystal Chemistry in Cu-Bearing Sulfides from Micro-XRF Mapping and Micro-XANES Spectroscopy. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 227.	2.0	17
32	Serpentinization of New Caledonia peridotites: from depth to (sub-)surface. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	17
33	Weathering processes and crystal chemistry of Ni-bearing minerals in saprock horizons of New Caledonia ophiolite. <i>Journal of Geochemical Exploration</i> , 2019, 198, 82-99.	3.2	16
34	Experimental investigation of As, Sb and Cs behavior during olivine serpentinization in hydrothermal alkaline systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 179, 177-202.	3.9	15
35	Amorphous boron composite gaskets for <i>in situ</i> high-pressure and high-temperature studies. <i>High Pressure Research</i> , 2016, 36, 564-574.	1.2	7
36	Earliest microbial trace fossils in Archaean pillow lavas under scrutiny: new micro-X-ray absorption near-edge spectroscopy, metamorphic and morphological constraints. <i>Geological Society Special Publication</i> , 2017, 448, 57-70.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Ge coordination in NaAlGe ₃ O ₈ glass upon compression to 131 GPa. Physical Review B, 2020, 101, .	3.2	7
38	X-ray transmission properties of intelligent anvils in diamond anvil cells. High Pressure Research, 2006, 26, 235-241.	1.2	4