MarÃ-a Teresa GÃ³mez-Pugnaire

List of Publications by Year
in descending order

42 papers	2,286 citations	201674 27 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	1429 citing authors

#	Article	IF	Citations
1	Geochemical evolution of rodingites during subduction: insights from Cerro del Almirez (southern) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	1
2	Alpine Orogeny: Deformation and Structure in the Southern Iberian Margin (Betics s.l.). Regional Geology Reviews, 2019, , 453-486.	1.2	8
3	Alpine Metamorphism in the Betic Internal Zones. Regional Geology Reviews, 2019, , 519-544.	1.2	5
4	Mesozoic and Cenozoic Magmatism in the Betics. Regional Geology Reviews, 2019, , 545-566.	1.2	1
5	Lithological Successions of the Internal Zones and Flysch Trough Units of the Betic Chain. Regional Geology Reviews, 2019, , 377-432.	1.2	8
6	U-Pb ages of detrital zircons from the Internal Betics: A key to deciphering paleogeographic provenance and tectono-stratigraphic evolution. Lithos, 2018, 318-319, 244-266.	1.4	17
7	Subduction- and exhumation-related structures preserved in metaserpentinites and associated metasediments from the Nevadoâ€“FilÃ¡bride Complex (Betic Cordillera, SE Spain). Tectonophysics, 2015, 644-645, 40-57.	2.2	30
8	Redox state of iron during high-pressure serpentinite dehydration. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	76
9	FTIR and Raman spectroscopy characterization of fluorine-bearing titanian clinohumite in antigorite serpentinite and chlorite harzburgite. Earth, Planets and Space, 2014, 66, .	2.5	12
10	11B-rich fluids in subduction zones: The role of antigorite dehydration in subducting slabs and boron isotope heterogeneity in the mantle. Chemical Geology, 2014, 376, 20-30.	3.3	66
11	Element mobility from seafloor serpentinization to high-pressure dehydration of antigorite in subducted serpentinite: Insights from the Cerro del Almirez ultramafic massif (southern Spain). Lithos, 2013, 178, 128-142.	1.4	54
12	Tschermak's substitution in antigorite and consequences for phase relations and water liberation in high-grade serpentinites. Lithos, 2013, 178, 186-196.	1.4	153
13	Recycling of water, carbon, and sulfur during subduction of serpentinites: A stable isotope study of Cerro del Almirez, Spain. Earth and Planetary Science Letters, 2012, 327-328, 50-60.	4.4	153
14	Late Variscan magmatism in the Nevado-FilÃ¡bride Complex: U-Pb geochronologic evidence for the pre-Mesozoic nature of the deepest Betic complex (SE Spain). Lithos, 2012, 146-147, 93-111.	1.4	57
15	Metamorphic Record of High-pressure Dehydration of Antigorite Serpentinite to Chlorite Harzburgite in a Subduction Setting (Cerro del Almirez, Nevado-Filabride Complex, Southern Spain). Journal of Petrology, 2011, 52, 2047-2078.	2.8	147
16	An experimental investigation of antigorite dehydration in natural silica-enriched serpentinite. Contributions To Mineralogy and Petrology, 2010, 159, 25-42.	3.1	110
17	What drives the distribution in nature of 3T vs. 2M1 polytype in muscovites and phengites? A general assessment based on new data from metamorphic and igneous granitoid rocks. American Mineralogist, 2010, 95, 1182-1191.	1.9	2
18	Fluid transfer into the wedge controlled by high-pressure hydrofracturing in the cold top-slab mantle. Earth and Planetary Science Letters, 2010, 297, 271-286.	4.4	62

#	Article	IF	Citations
19	Breakdown mechanisms of titanclinohumite in antigorite serpentinite (Cerro del Almirez massif, S.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	40
20	Do extrusion ages reflect magma generation processes at depth? An example from the Neogene Volcanic Province of SE Spain. Contributions To Mineralogy and Petrology, 2009, 157, 267-279.	3.1	32
21	Armouring effect on Sr-Nd isotopes during disequilibrium crustal melting: the case study of frozen migmatites from El Hoyazo and Mazarron, SE Spain. European Journal of Mineralogy, 2009, 21, 117-131.	1.3	23
22	Highly ordered antigorite from Cerro del Almirez HPâ€“HT serpentinites, SE Spain. Contributions To Mineralogy and Petrology, 2008, 156, 679-688.	3.1	44
23	Oriented growth of garnet by topotactic reactions and epitaxy in highâ€pressure, mafic garnet granulite formed by dehydration melting of metastable hornblendeâ€gabbronorite (Jijal Complex,) Tj ETQq1 1 0.784314 rgBT /Overlock	4.1	22
24	Petrology of titanian clinohumite and olivine at the high-pressure breakdown of antigorite serpentinite to chlorite harzburgite (Almirez Massif, S. Spain). Contributions To Mineralogy and Petrology, 2005, 149, 627-646.	3.1	97
25	Enrichment of HFSE in chlorite-harzburgite produced by high-pressure dehydration of antigorite-serpentinite: Implications for subduction magmatism. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	81
26	Residence time of S-type anatectic magmas beneath the Neogene Volcanic Province of SE Spain: a zircon and monazite SHRIMP study. Contributions To Mineralogy and Petrology, 2003, 146, 28-43.	3.1	48
27	Phase diagram sections applied to amphibolites: a case study from the Ossa-Morena/Central Iberian Variscan suture (Southwestern Iberian Massif). Lithos, 2003, 68, 1-21.	1.4	44
28	The amphibolites from the Ossaâ€“Morena/Central Iberian Variscan suture (Southwestern Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	65
29	Primary melt inclusions in andalusite from anatectic graphitic metapelites: Implications for the position of the Al2SiO5 triple point. Geology, 2003, 31, 573.	4.4	73
30	Andalusite-sillimanite replacement (MazarrÃ³n, SE Spain): A microstructural and TEM study. American Mineralogist, 2002, 87, 433-444.	1.9	39
31	Crustal melting in the alborÃ¡n domain: constraints from xenoliths of the Neogene Volcanic Province. Physics and Chemistry of the Earth, 2001, 26, 255-260.	0.6	41
32	Incompatible element-rich fluids released by antigorite breakdown in deeply subducted mantle. Earth and Planetary Science Letters, 2001, 192, 457-470.	4.4	152
33	Middle Miocene high-pressure metamorphism and fast exhumation of the Nevado-FilÃ¡bride Complex, SE Spain. Terra Nova, 2001, 13, 327-332.	2.1	114
34	Petrogenesis of the mafic igneous rocks of the Betic Cordilleras: A field, petrological and geochemical study. Contributions To Mineralogy and Petrology, 2000, 139, 436-457.	3.1	27
35	High pressure breakdown of antigorite to spinifex-textured olivine and orthopyroxene, SE Spain. Contributions To Mineralogy and Petrology, 1998, 132, 139-148.	3.1	167
36	Phase relationships and P-T conditions of coexisting eclogite-blueschists and their transformation to greenschist-facies rocks in the Nerkau Complex (Northern Urals). Tectonophysics, 1997, 276, 195-216.	2.2	21

#	Article	IF	Citations
37	Metamorphism and phase relations in carbonate rocks from the Nevado-FilÃ¡bride Complex (Cordilleras BÃ©ticas, Spain): application of the Ttn + Rt + Cal + Qtz + Gr buffer. Contributions To Mineralogy and Petrology, 1997, 126, 292-302.	3.1	23
38	Retrograde formation of NaCl-scapolite in high pressure metaevaporites from the Cordilleras Bï¿½ticas (Spain). Contributions To Mineralogy and Petrology, 1994, 116, 448-461.	3.1	34
39	Mica-chlorite intermixing and altered chlorite from the Nevado-Filabride micaschists, Southern Spain. European Journal of Mineralogy, 1991, 3, 27-38.	1.3	18
40	Metamorphic evolution of the palaeozoic series of the Betic Cordilleras (Nevado-Filabride complex, SE) Tj ETQq0 0 0 rgBT /Overlock 10 T 619-640.	1.8	29
41	High-pressure metamorphism in metabasites from the Betic Cordilleras (S.E. Spain) and its evolution during the Alpine orogeny. Contributions To Mineralogy and Petrology, 1987, 95, 231-244.	3.1	78
42	Kyanite, margarite and paragonite in pseudomorphs in amphibolitized eclogites from the Betic Cordilleras, Spain. Chemical Geology, 1985, 50, 129-141.	3.3	12