

# MarÃ-a Teresa GÃ³mez-Pugnaire

## List of Publications by Year in descending order

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42  
papers

2,286  
citations

201674

27  
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265206

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docs citations

42  
times ranked

1429  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Incompatible element-rich fluids released by antigorite breakdown in deeply subducted mantle. Earth and Planetary Science Letters, 2001, 192, 457-470.	4.4	152
5	Metamorphic Record of High-pressure Dehydration of Antigorite Serpentinite to Chlorite Harzburgite in a Subduction Setting (Cerro del Almirez, Nevado-Filábride Complex, Southern Spain). Journal of Petrology, 2011, 52, 2047-2078.	2.8	147
6	Middle Miocene high-pressure metamorphism and fast exhumation of the Nevado-Filábride Complex, SE Spain. Terra Nova, 2001, 13, 327-332.	2.1	114
7	An experimental investigation of antigorite dehydration in natural silica-enriched serpentinite. Contributions To Mineralogy and Petrology, 2010, 159, 25-42.	3.1	110
8	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
9	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
10	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
11	Redox state of iron during high-pressure serpentinite dehydration. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	76
12	Primary melt inclusions in andalusite from anatectic graphitic metapelites: Implications for the position of the Al <sub>2</sub> SiO <sub>5</sub> triple point. Geology, 2003, 31, 573.	4.4	73
13	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
14	The amphibolites from the Ossa-Morena/Central Iberian Variscan suture (Southwestern Iberian) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	65
15	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
16	Late Variscan magmatism in the Nevado-Filábride 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
17	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
18	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

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19	Phase diagram sections applied to amphibolites: a case study from the Ossa-Morena/Central Iberian Variscan suture (Southwestern Iberian Massif). <i>Lithos</i> , 2003, 68, 1-21.	1.4	44
20	Highly ordered antigorite from Cerro del Almirez HP-HT serpentinites, SE Spain. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 679-688.	3.1	44
21	Crustal melting in the Alborán domain: constraints from xenoliths of the Neogene Volcanic Province. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 255-260.	0.6	41
22	Breakdown mechanisms of titanclinochumite in antigorite serpentinite (Cerro del Almirez massif, S.). <i>Tectonophysics</i> , 2010, 490, 1-14.	1.4	40
23	Andalusite-sillimanite replacement (Mazarrón, SE Spain): A microstructural and TEM study. <i>American Mineralogist</i> , 2002, 87, 433-444.	1.9	39
24	Retrograde formation of NaCl-scapolite in high pressure metaevaporites from the Cordilleras Béticas (Spain). <i>Contributions To Mineralogy and Petrology</i> , 1994, 116, 448-461.	3.1	34
25	Do extrusion ages reflect magma generation processes at depth? An example from the Neogene Volcanic Province of SE Spain. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 267-279.	3.1	32
26	Subduction- and exhumation-related structures preserved in metaserpentinites and associated metasediments from the Nevado-Filabride Complex (Betic Cordillera, SE Spain). <i>Tectonophysics</i> , 2015, 644-645, 40-57.	2.2	30
27	Metamorphic evolution of the palaeozoic series of the Betic Cordilleras (Nevado-Filabride complex, SE). <i>Tectonophysics</i> , 2011, 514, 619-640.	1.8	29
28	Petrogenesis of the mafic igneous rocks of the Betic Cordilleras: A field, petrological and geochemical study. <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 436-457.	3.1	27
29	Metamorphism and phase relations in carbonate rocks from the Nevado-Filabride Complex (Cordilleras Béticas, Spain): application of the Ttn + Rt + Cal + Qtz + Gr buffer. <i>Contributions To Mineralogy and Petrology</i> , 1997, 126, 292-302.	3.1	23
30	Armouring effect on Sr-Nd isotopes during disequilibrium crustal melting: the case study of frozen migmatites from El Hoyazo and Mazarrón, SE Spain. <i>European Journal of Mineralogy</i> , 2009, 21, 117-131.	1.3	23
31	Oriented growth of garnet by topotactic reactions and epitaxy in high-pressure, mafic garnet granulite formed by dehydration melting of metastable hornblende-gabbro-norite (Jijal Complex,). <i>Tectonophysics</i> , 2011, 514, 1-14.	1.4	22
32	Phase relationships and P-T conditions of coexisting eclogite-blueschists and their transformation to greenschist-facies rocks in the Nerka Complex (Northern Urals). <i>Tectonophysics</i> , 1997, 276, 195-216.	2.2	21
33	Mica-chlorite intermixing and altered chlorite from the Nevado-Filabride micaschists, Southern Spain. <i>European Journal of Mineralogy</i> , 1991, 3, 27-38.	1.3	18
34	U-Pb ages of detrital zircons from the Internal Betics: A key to deciphering paleogeographic provenance and tectono-stratigraphic evolution. <i>Lithos</i> , 2018, 318-319, 244-266.	1.4	17
35	Kyanite, margarite and paragonite in pseudomorphs in amphibolitized eclogites from the Betic Cordilleras, Spain. <i>Chemical Geology</i> , 1985, 50, 129-141.	3.3	12
36	FTIR and Raman spectroscopy characterization of fluorine-bearing titanian clinohumite in antigorite serpentinite and chlorite harzburgite. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	12

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37	Alpine Orogeny: Deformation and Structure in the Southern Iberian Margin (Betics s.l.). Regional Geology Reviews, 2019, , 453-486.	1.2	8
38	Lithological Successions of the Internal Zones and Flysch Trough Units of the Betic Chain. Regional Geology Reviews, 2019, , 377-432.	1.2	8
39	Alpine Metamorphism in the Betic Internal Zones. Regional Geology Reviews, 2019, , 519-544.	1.2	5
40	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
41	Mesozoic and Cenozoic Magmatism in the Betics. Regional Geology Reviews, 2019, , 545-566.	1.2	1
42	Geochemical evolution of rodingites during subduction: insights from Cerro del Almiraz (southern) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	1