# Carlos Villaseca

List of Publications by Year
in descending order



| 63 | 2,207 | 172457 | 233421 |
|---|---|---|---|
| papers | citations | 29 h-index | 45 g-index |

| 63 | 63 | 63 | 1580 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Subduction-related metasomatism in the lithospheric mantle beneath the Calatrava volcanic field (central Spain): constraints from lherzolite xenoliths of the Cerro Gordo volcano. International Geology Review, 2022, 64, 469-488. | 2.1 | 3 |
| 2 | The evolution of the subcontinental mantle beneath the Central Iberian Zone: Geochemical tracking of its mafic magmatism from the Neoproterozoic to the Cenozoic. Earth-Science Reviews, 2022, 228, 103997. | 9.1 | 10 |
| 3 | Depleted lherzolite xenoliths from the leucititic MorrÃ³n de Villamayor volcano (Calatrava volcanic) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.4 | 5 |
| 4 | Pyroxenites and Megacrysts From Alkaline Melts of the Calatrava Volcanic Field (Central Spain): Inferences From Trace Element Geochemistry and Sr-Nd Isotope Composition. Frontiers in Earth Science, 2020, 8, . | 1.8 | 13 |
| 5 | Geochemistry and geochronology of mafic rocks from the Spanish Central System: Constraints on the mantle evolution beneath central Spain. Geoscience Frontiers, 2020, 11, 1651-1667. | 8.4 | 14 |
| 6 | Dating metasomatic events in the lithospheric mantle beneath the Calatrava volcanic field (central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.4 | 14 |
| 7 | Li-Na-metasomatism related to I-type granite magmatism: A case study of the highly fractionated La Pedriza pluton (Iberian Variscan belt). Lithos, 2019, 344-345, 159-174. | 1.4 | 5 |
| 8 | Mineral chemistry of megacrysts and associated clinopyroxenite enclaves in the Calatrava volcanic field: crystallization processes in mantle magma chambers. Journal of Iberian Geology, 2019, 45, 401-426. | 1.3 | 18 |
| 9 | Petrogenetic relationships between Variscan granitoids and Li-(F-P)-rich aplite-pegmatites in the Central Iberian Zone: Geological and geochemical constraints and implications for other regions from the European Variscides. Ore Geology Reviews, 2018, 95, 408-430. | 2.7 | 63 |
| 10 | The Cambro-Ordovician Ollo de Sapo magmatism in the Iberian Massif and its Variscan evolution: A review. Earth-Science Reviews, 2018, 176, 345-372. | 9.1 | 53 |
| 11 | Basic Ordovician magmatism of the Spanish Central System: Constraints on the source and geodynamic setting. Lithos, 2017, 284-285, 608-624. | 1.4 | 9 |
| 12 | Magmatic graphite inclusions in Mn-Fe-rich fluorapatite of perphosphorus granites (the BelvÃs pluton,) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.9 | 5 |
| 13 | Zircon Hf signatures from granitic orthogneisses of the Spanish Central System: Significance and sources of the Cambro-Ordovician magmatism in the Iberian Variscan Belt. Gondwana Research, 2016, 34, 60-83. | 6.0 | 45 |
| 14 | Mineralogical and isotopic characterization of graphite deposits from the Anatectic Complex of Toledo, central Spain. Mineralium Deposita, 2016, 51, 575-590. | 4.1 | 9 |
| 15 | Origin, ore forming fluid evolution and timing of the LogrosÃ¡n Snâ€“(W) ore deposits (Central Iberian) Tj ETQq1 1 0.784314 rgBT /O | 2.7 | 44 |
| 16 | Mineral chemistry of late Variscan gabbros from central Spain: constraints on crystallisation processes and nature of the parental magmas. Journal of Iberian Geology, 2015, 41, . | 1.3 | 1 |
| 17 | Ediacaranâ€“Cambrian paleogeography and geodynamic setting of the Central Iberian Zone: Constraints from coupled Uâ€“Pbâ€“Hf isotopes of detrital zircons. Precambrian Research, 2015, 261, 234-251. | 2.7 | 55 |
| 18 | Early Ordovician metabasites from the Spanish Central System: A remnant of intraplate HP rocks in the Central Iberian Zone. Gondwana Research, 2015, 27, 392-409. | 6.0 | 28 |

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| 19 | Geology and gravity modeling of the LogrosÃ¡n Snâ€“(W) ore deposits (Central Iberian Zone, Spain). Ore Geology Reviews, 2015, 65, 294-307. | 2.7 | 28 |
| 20 | Zircon U-Pb and Hf isotopic constraints on the genesis of a post-kinematic S-type Variscan tin granite: the LogrosÃ¡n cupola (Central Iberian Zone). Journal of Iberian Geology, 2014, 40, . | 1.3 | 8 |
| 21 | Significance of ancient sulfide PGE and Reâ€“Os signatures in the mantle beneath Calatrava, Central Spain. Contributions To Mineralogy and Petrology, 2014, 168, 1. | 3.1 | 30 |
| 22 | Uranium-rich accessory minerals in the peraluminous and perphosphorous BelvÃs de Monroy pluton (Iberian Variscan belt). Contributions To Mineralogy and Petrology, 2014, 167, 1. | 3.1 | 22 |
| 23 | Tracing magma sources of three different S-type peraluminous granitoid series by in situ Uâ€“Pb geochronology and Hf isotope zircon composition: The Variscan Montes de Toledo batholith (central) Tj ETQq1 1 0.784314 rgBT /Ove | 1.4 | 28 |
| 24 | Contrasting chemical and isotopic signatures from Neoproterozoic metasedimentary rocks in the Central Iberian Zone (Spain) of pre-Variscan Europe: Implications for terrane analysis and Early Ordovician magmatic belts. Precambrian Research, 2014, 245, 131-145. | 2.7 | 52 |
| 25 | Hydrothermal phosphate vein-type ores from the southern Central Iberian Zone, Spain: Evidence for their relationship to granites and Neoproterozoic metasedimentary rocks. Ore Geology Reviews, 2014, 62, 143-155. | 2.7 | 12 |
| 26 | Gahnite, chrysoberyl and beryl co-occurrence as accessory minerals in a highly evolved peraluminous pluton: The BelvÃs de Monroy leucogranite (CÃ¡ceres, Spain). Lithos, 2013, 179, 137-156. | 1.4 | 40 |
| 27 | The architecture of the European-Mediterranean lithosphere: A synthesis of the Re-Os evidence. Geology, 2013, 41, 547-550. | 4.4 | 34 |
| 28 | Contrasted crustal sources for peraluminous granites of the segmented Montes de Toledo Batholith (Iberian Variscan Belt). Journal of Geosciences (Czech Republic), 2012, , 263-280. | 0.6 | 12 |
| 29 | Electron microprobe monazite geochronology of granitic intrusions from the Montes de Toledo batholith (central Spain). Geological Journal, 2012, 47, 41-58. | 1.3 | 13 |
| 30 | Uâ€“Pb geochronology and zircon composition of late Variscan S- and I-type granitoids from the Spanish Central System batholith. International Journal of Earth Sciences, 2012, 101, 1789-1815. | 1.8 | 36 |
| 31 | The thermal state and strength of the lithosphere in the Spanish Central System and Tajo Basin from crustal heat production and thermal isostasy. Journal of Geodynamics, 2012, 58, 29-37. | 1.6 | 22 |
| 32 | Recycled metaigneous crustal sources for S- and I-type Variscan granitoids from the Spanish Central System batholith: Constraints from Hf isotope zircon composition. Lithos, 2012, 153, 84-93. | 1.4 | 37 |
| 33 | Presence of Palaeoproterozoic and Archean components in the granulite-facies rocks of central Iberia: The Hf isotopic evidence. Precambrian Research, 2011, 187, 143-154. | 2.7 | 21 |
| 34 | Geochronology and trace element chemistry of zircon and garnet from granulite xenoliths: Constraints on the tectonothermal evolution of the lower crust under central Spain. Lithos, 2011, 124, 103-116. | 1.4 | 45 |
| 35 | Uâ€“Pb isotopic ages and Hf isotope composition of zircons in Variscan gabbros from central Spain: evidence of variable crustal contamination. Mineralogy and Petrology, 2011, 101, 151-167. | 1.1 | 21 |
| 36 | Composition and evolution of the lithospheric mantle in central Spain: inferences from peridotite xenoliths from the Cenozoic Calatrava volcanic field. Geological Society Special Publication, 2010, 337, 125-151. | 1.3 | 24 |

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| 37 | The Variscan gabbros from the Spanish Central System: A case for crustal recycling in the sub-continental lithospheric mantle?. Lithos, 2009, 110, 262-276. | 1.4 | 43 |
| 38 | Multiple crustal sources for post-tectonic I-type granites in the Hercynian Iberian Belt. Mineralogy and Petrology, 2009, 96, 197-211. | 1.1 | 40 |
| 39 | Petrogenesis of Permian alkaline lamprophyres and diabases from the Spanish Central System and their geodynamic context within western Europe. Contributions To Mineralogy and Petrology, 2008, 156, 477-500. | 3.1 | 70 |
| 40 | SHRIMP Uâ€“Pb zircon dating of anatexis in high-grade migmatite complexes of Central Spain: implications in the Hercynian evolution of Central Iberia. International Journal of Earth Sciences, 2008, 97, 35-50. | 1.8 | 56 |
| 41 | Heterogeneous metasomatism in cumulate xenoliths from the Spanish Central System: implications for percolative fractional crystallization of lamprophyric melts. Geological Society Special Publication, 2008, 293, 101-120. | 1.3 | 6 |
| 42 | Geochemistry of mafic phenocrysts from alkaline lamprophyres of the Spanish Central System: implications on crystal fractionation, magma mixing and xenoliths entrapment within deep magma chambers. European Journal of Mineralogy, 2007, 19, 817-832. | 1.3 | 16 |
| 43 | THE COMPOSITION OF ZIRCON IN THE PERALUMINOUS HERCYNIAN GRANITES OF THE SPANISH CENTRAL SYSTEM BATHOLITH. Canadian Mineralogist, 2007, 45, 509-527. | 1.0 | 40 |
| 44 | Metaluminous pyroxene-bearing granulite xenoliths from the lower continental crust in central Spain: their role in the genesis of Hercynian I-type granites. European Journal of Mineralogy, 2007, 19, 463-477. | 1.3 | 28 |
| 45 | Zrâ€“LREE rich minerals in residual peraluminous granulites, another factor in the origin of low Zrâ€“LREE granitic melts?. Lithos, 2007, 96, 375-386. | 1.4 | 33 |
| 46 | Geochemistry of pyroxenitic and hornblenditic xenoliths in alkaline lamprophyres from the Spanish Central System. Lithos, 2006, 86, 167-196. | 1.4 | 46 |
| 47 | A Uâ€Pb Study of Zircons from a Lower Crustal Granulite Xenolith of the Spanish Central System: A Record of Iberian Lithospheric Evolution from the Neoproterozoic to the Triassic. Journal of Geology, 2006, 114, 471-483. | 1.4 | 41 |
| 48 | Long-term thermo-tectonic evolution of the Montes de Toledo area (Central Hercynian Belt, Spain): constraints from apatite fission-track analysis. International Journal of Earth Sciences, 2005, 94, 193-203. | 1.8 | 20 |
| 49 | Occurrence and Origin of Andalusite in Peraluminous Felsic Igneous Rocks. Journal of Petrology, 2005, 46, 441-472. | 2.8 | 89 |
| 50 | Le magmatisme basique hercynien et post-hercynien du SystÃ¨me central espagnol : essai de caractÃ©risation des sources mantelliques. Comptes Rendus - Geoscience, 2004, 336, 877-888. | 1.2 | 30 |
| 51 | Residence and redistribution of REE, Y, Zr, Th and U during granulite-facies metamorphism: behaviour of accessory and major phases in peraluminous granulites of central Spain. Chemical Geology, 2003, 200, 293-323. | 3.3 | 70 |
| 52 | Melts and residua geochemistry in a low-to-mid crustal section (Central Spain). Physics and Chemistry of the Earth, 2001, 26, 273-280. | 0.6 | 18 |
| 53 | Eclogite facies relics in metabasites from the Sierra de Guadarrama (Spanish Central System): P-T estimations and implications for the Hercynian evolution. Mineralogical Magazine, 2000, 64, 815-836. | 1.4 | 44 |
| 54 | A sustained felsic magmatic system: the Hercynian granitic batholith of the Spanish Central System. , 2000, , . | | 1 |

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|---|---|---|---|
| 55 | A sustained felsic magmatic system: the Hercynian granitic batholith of the Spanish Central System. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2000, 91, 207-219. | 0.3 | 29 |
| 56 | Nature and Composition of the Lower Continental Crust in Central Spain and the Granulite-Granite Linkage: Inferences from Granulitic Xenoliths. Journal of Petrology, 1999, 40, 1465-1496. | 2.8 | 117 |
| 57 | Crustal origin of Hercynian peraluminous granitic batholiths of Central Spain: petrological, geochemical and isotopic (Sr, Nd) constraints. Lithos, 1998, 43, 55-79. | 1.4 | 159 |
| 58 | A re-examination of the typology of peraluminous granite types in intracontinental orogenic belts. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1998, 89, 113-119. | 0.7 | 155 |
| 59 | Geochemical and isotopic disequilibrium in crustal melting: An insight from the anatectic granitoids from Toledo, Spain. Journal of Geophysical Research, 1995, 100, 15745-15765. | 3.3 | 100 |
| 60 | Chemical variability of Al-Ti-Fe-Mg minerals in peraluminous granitoid rocks from Central Spain. European Journal of Mineralogy, 1994, 6, 691-710. | 1.3 | 34 |
| 61 | The Layos Granite, Hercynian Complex of Toledo (Spain): an example of parautochthonous restite-rich granite in a granulitic area. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 1992, 83, 127-138. | 0.3 | 37 |
| 62 | Diques camptonÃticos en el Sistema Central EspaÃ±ol. Estudios Geologicos, 1986, 42, 69-78. | 0.2 | 7 |
| 63 | Microdioritas de afinidad toleÃtica en las bandas de cizalla de Segovia. Estudios Geologicos, 1985, 41, 11-16. | 0.2 | 2 |