

Joan Carles Melgarejo i Draper

List of Publications by Year in descending order

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94
papers

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95
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#	ARTICLE	IF	CITATIONS
1	Al- and Cr-rich chromitites from the Mayarí-Baracoa ophiolitic belt (eastern Cuba); consequence of interaction between volatile-rich melts and peridotites in suprasubduction mantle. <i>Economic Geology</i> , 1999, 94, 547-566.	3.8	193
2	High-Cr and high-Al chromitites from the Sagua de Tánamo district, Mayarí-Cristal ophiolitic massif (eastern Cuba): Constraints on their origin from mineralogy and geochemistry of chromian spinel and platinum-group elements. <i>Lithos</i> , 2011, 125, 101-121.	1.4	160
3	Distribution of platinum-group elements and Os isotopes in chromite ores from Mayarí-Baracoa Ophiolitic Belt (eastern Cuba). <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 589-607.	3.1	121
4	Electromagnetic imaging of Variscan crustal structures in SW Iberia: the role of interconnected graphite. <i>Earth and Planetary Science Letters</i> , 2004, 217, 435-450.	4.4	69
5	GEOCHEMISTRY OF FELDSPARS AND MUSCOVITE IN GRANITIC PEGMATITE FROM THE CAP DE CREUS FIELD, CATALONIA, SPAIN. <i>Canadian Mineralogist</i> , 2003, 41, 103-116.	1.0	52
6	Methane-related carbonates formed at submarine hydrothermal springs: a new setting for microbially-derived carbonates?. <i>Marine Geology</i> , 2003, 199, 245-261.	2.1	49
7	CINNABAR DEPOSITION IN SUBMARINE COASTAL HYDROTHERMAL VENTS, PACIFIC MARGIN OF CENTRAL MEXICO. <i>Economic Geology</i> , 2002, 97, 1331-1340.	3.8	40
8	Uâ€Pb SHRIMP geochronology of zircon from the Catoca kimberlite, Angola: Implications for diamond exploration. <i>Chemical Geology</i> , 2012, 310-311, 137-147.	3.3	39
9	Nb-Ta-minerals from the cap de creus pegmatite field, eastern Pyrenees: distribution and geochemical trends. <i>Mineralogy and Petrology</i> , 1995, 55, 53-69.	1.1	38
10	Niobium and rare earth minerals from the Virulundo carbonatite, Namibe, Angola. <i>Mineralogical Magazine</i> , 2012, 76, 393-409.	1.4	38
11	Trace-element geochemistry and Uâ€Pb dating of perovskite in kimberlites of the Lunda Norte province (NE Angola): Petrogenetic and tectonic implications. <i>Chemical Geology</i> , 2016, 426, 118-134.	3.3	34
12	Mineralogy, geochemistry and sulfur isotope characterization of Cerro de Maimã (Dominican) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 subduction initiation of the proto-Caribbean lithosphere within a fore-arc. <i>Ore Geology Reviews</i> , 2016, 72, 794-817.	2.7	34
13	The Marianas-San Marcos vein system: characteristics of a shallow low sulfidation epithermal Auâ€Ag deposit in the Cerro Negro district, Deseado Massif, Patagonia, Argentina. <i>Mineralium Deposita</i> , 2016, 51, 725-748.	4.1	32
14	Trace element composition and U-Pb ages of cassiterite from the Bolivian tin belt. <i>Mineralium Deposita</i> , 2021, 56, 1491-1520.	4.1	30
15	Subsolidus processes as a key factor on the distribution of Nb species in plutonic carbonatites: The Tchivira case, Angola. <i>Lithos</i> , 2012, 152, 187-201.	1.4	29
16	An Alternative Scenario on the Origin of Ultra-High Pressure (UHP) and Super-Reduced (SuR) Minerals in Ophiolitic Chromitites: A Case Study from the Mercedita Deposit (Eastern Cuba). <i>Minerals (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.4	29
17	Tracing the chemical evolution of primary pyrochlore from plutonic to volcanic carbonatites: the role of fluorine. <i>Mineralogical Magazine</i> , 2012, 76, 377-392.	1.4	28
18	Geochemical evidences of sedimentary-exhalative origin of the shale-hosted PGEâ€Agâ€Auâ€Znâ€Cu occurrences of the Prades Mountains (Catalonia, Spain): trace-element abundances and Smâ€Nd isotopes. <i>Journal of Geochemical Exploration</i> , 2004, 82, 17-33.	3.2	27

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19	Garutiite, (Ni,Fe,Ir), a new hexagonal polymorph of native Ni from Loma Peguera, Dominican Republic. <i>European Journal of Mineralogy</i> , 2010, 22, 293-304.	1.3	27
20	U-Pb geochronology on zircon and columbite-group minerals of the Cap de Creus pegmatites, NE Spain. <i>Mineralogy and Petrology</i> , 2017, 111, 1-21.	1.1	27
21	Contrasting compositions and textures of ilmenite in the Catoca kimberlite, Angola, and implications in exploration for diamond. <i>Lithos</i> , 2009, 112, 966-975.	1.4	25
22	Genesis of sulfide-rich chromite ores by the interaction between chromitite and pegmatitic olivine-norite dikes in the Potosí-Mine (Moa-Baracoa ophiolitic massif, eastern Cuba). <i>Mineralium Deposita</i> , 2001, 36, 658-669.	4.1	24
23	FLUID EVOLUTION IN THE ZONED RARE-ELEMENT PEGMATITE FIELD AT CAP DE CREUS, CATALONIA, SPAIN. <i>Canadian Mineralogist</i> , 2008, 46, 597-617.	1.0	24
24	The Loma Peguera ophiolitic chromitite (Central Dominican Republic): a source of new platinum group minerals (PGM) species. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2009, 185, 335-349.	0.3	23
25	The El Muerto "NYF" Granitic Pegmatite, Oaxaca, Mexico, and Its Striking Enrichment In Allanite-(Ce) and Monazite-(Ce). <i>Canadian Mineralogist</i> , 2012, 50, 1055-1076.	1.0	22
26	Isotopic evidence for biogenic precipitation as a principal mineralization process in coastal gasohydrothermal vents, Punta Mita, Mexico. <i>Chemical Geology</i> , 2005, 224, 113-121.	3.3	21
27	Spatial and Temporal Controls on the Distribution of Indium in Xenothermal Vein-Deposits: The Huari Huari District, Potosí, Bolivia. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 304.	2.0	19
28	Spatial-Temporal Migration of Granitoid Magmatism and the Phanerozoic Tectono-Magmatic Evolution of the Colombian Andes. <i>Frontiers in Earth Sciences</i> , 2019, , 253-410.	0.1	19
29	Use and misuse of Mg- and Mn-rich ilmenite in diamond exploration: A petrographic and trace element approach. <i>Lithos</i> , 2017, 292-293, 348-363.	1.4	18
30	The Albera zoned pegmatite field, Eastern Pyrenees, France. <i>Mineralogy and Petrology</i> , 1995, 55, 103-116.	1.1	17
31	V-RICH MINERALS IN CONTACT-METAMORPHOSED SILURIAN SEDEX DEPOSITS IN THE POBLET AREA, SOUTHWESTERN CATALONIA, SPAIN. <i>Canadian Mineralogist</i> , 2003, 41, 561-579.	1.0	17
32	Carbonatitic lavas in Catanda (Kwanza Sul, Angola): Mineralogical and geochemical constraints on the parental melt. <i>Lithos</i> , 2015, 232, 1-11.	1.4	17
33	Thin-section petrography and SR-1/4XRD for the identification of micro-crystallites in the brown decorations of ceramic lead glazes. <i>European Journal of Mineralogy</i> , 2017, 29, 861-870.	1.3	17
34	Southwestern Africa on the burner: Pleistocene carbonatite volcanism linked to deep mantle upwelling in Angola. <i>Geology</i> , 2017, 45, 971-974.	4.4	17
35	Recognizing and understanding silica-polymorph microcrystals in ceramic glazes. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6188-6199.	5.7	15
36	The Catanda extrusive carbonatites (Kwanza Sul, Angola): an example of explosive carbonatitic volcanism. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	14

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37	Indium Mineralization in the Volcanic Dome-Hosted Animas "Chocaya" Siete Suyos Polymetallic Deposit, Potosí, Bolivia. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 604.	2.0	14
38	Técnicas de caracterización mineral y su aplicación en exploración y explotación minera. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2010, 62, 1-23.	0.3	14
39	Mining and geological knowledge during the Neolithic: a geological study on the variscite mines at Gavà, Catalonia. <i>Episodes</i> , 2003, 26, 295-301.	1.2	14
40	Capabilities of through-the-substrate microdiffraction: Application of Patterson-function direct methods to synchrotron data from polished thin sections. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 891-898.	2.4	13
41	Towards a unified genetic model for the Au-Ag-Cu Pueblo Viejo district, central Dominican Republic. <i>Ore Geology Reviews</i> , 2017, 89, 463-494.	2.7	13
42	The Poopó Polymetallic Epithermal Deposit, Bolivia: Mineralogy, Genetic Constraints, and Distribution of Critical Elements. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 472.	2.0	13
43	Machine learning algorithms applied to Raman spectra for the identification of variscite originating from the mining complex of Gavà. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1563-1574.	2.5	13
44	Structure solution from powder data of the phosphate hydrate tenticite. <i>European Journal of Mineralogy</i> , 2000, 12, 581-588.	1.3	12
45	EXTREME F ACTIVITIES IN LATE PEGMATITIC EVENTS AS A KEY FACTOR FOR LILE AND HFSE ENRICHMENT: THE ÁNGEL PEGMATITE, CENTRAL ARGENTINA. <i>Canadian Mineralogist</i> , 2014, 52, 247-269.	1.0	12
46	Re-Os and U-Pb Geochronology of the Doña Amanda and Cerro Kiosko Deposits, Bayaguana District, Dominican Republic: Looking Down for the Porphyry Cu-Mo Roots of the Pueblo Viejo-Type Mineralization in the Island-Arc Tholeiitic Series of the Caribbean. <i>Economic Geology</i> , 2017, 112, 829-853.	3.8	12
47	The Upper Devonian Kellwasser event recorded in a regressive sequence from inner shelf to lagoonal pond, Catalan Coastal Ranges, Spain. <i>Sedimentology</i> , 2018, 65, 2055-2087.	3.1	12
48	Precious metals in magmatic Fe-Ni-Cu sulfides from the Potosí-chromitite deposit, eastern Cuba. <i>Ore Geology Reviews</i> , 2020, 118, 103339.	2.7	12
49	Light oxygen isotopes in mantle-derived magmas reflect assimilation of sub-continental lithospheric mantle material. <i>Nature Communications</i> , 2021, 12, 6295.	12.8	11
50	Stable Isotope Geochemistry of the Carboniferous Zn-Pb-Cu Sediment-Hosted Sulfide Deposits, Northeastern Spain. <i>International Geology Review</i> , 2005, 47, 1298-1315.	2.1	10
51	Chrysoberyl-sillimanite association from the Roncadeira pegmatite, Borborema Province, Brazil: implications for gemstone exploration. <i>Journal of Geosciences (Czech Republic)</i> , 2013, , 79-90.	0.6	10
52	Geology, mineralogy and evolution of iron skarn deposits in the Zanjan district, NW Iran: Constraints from U-Pb dating, Hf and O isotope analyses of zircons and stable isotope geochemistry. <i>Ore Geology Reviews</i> , 2017, 84, 42-66.	2.7	10
53	The production of a lead glaze with galena: Thermal transformations in the Pb-SiO ₂ system. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2119-2129.	3.8	10
54	D, O and C isotopes in podiform chromitites as fluid tracers for hydrothermal alteration processes of the Mayarí Baracoa Ophiolitic Belt, eastern Cuba. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 117-122.	3.2	9

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55	Geology, fluid inclusion and sulphur isotope characteristics of the El Cobre VHMS deposit, Southern Cuba. <i>Mineralium Deposita</i> , 2008, 43, 805-824.	4.1	9
56	Crystal-structure refinement of Fe ³⁺ -rich aerinite from synchrotron powder diffraction and Mossbauer data. <i>European Journal of Mineralogy</i> , 2009, 21, 233-240.	1.3	9
57	Lamprophyre-Carbonatite Magma Mingling and Subsolidus Processes as Key Controls on Critical Element Concentration in Carbonatites – The Bonga Complex (Angola). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 601.	2.0	9
58	The Distribution of Rare Metals in the LCT Pegmatites from the Girão Field, Angola. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 601.	2.0	9
59	Breaking Preconceptions: Thin Section Petrography For Ceramic Glaze Microstructures. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 113.	2.0	8
60	Nb and REE Distribution in the Monte Verde Carbonatite – Alkaline – Agpaitic Complex (Angola). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 5.	2.0	8
61	CINNABAR DEPOSITION IN SUBMARINE COASTAL HYDROTHERMAL VENTS, PACIFIC MARGIN OF CENTRAL MEXICO. <i>Economic Geology</i> , 2002, 97, 1331-1340.	3.8	8
62	Sulfur isotope geochemistry of the submarine hydrothermal-coastal vents of Punta Mita, Mexico. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 301-304.	3.2	7
63	PGE-BEARING MINERALS IN SILURIAN SEDEX DEPOSITS IN THE POBLET AREA, SOUTHWESTERN CATALONIA, SPAIN. <i>Canadian Mineralogist</i> , 2003, 41, 581-595.	1.0	7
64	Phanerozoic Metallogeny in the Colombian Andes: A Tectono-magmatic Analysis in Space and Time. <i>Frontiers in Earth Sciences</i> , 2019, , 411-549.	0.1	7
65	Sulphur isotope composition of Silurian shale-hosted PGE-Ag-Au-Zn-Cu mineralisations of the Prades Mountains (Catalonia, Spain). <i>Mineralium Deposita</i> , 2002, 37, 198-212.	4.1	6
66	THE INDIUM-BEARING MINERALS OF THE PINGUINO POLYMETALLIC VEIN SYSTEM, DESEADO MASSIF, PATAGONIA, ARGENTINA. <i>Canadian Mineralogist</i> , 2011, 49, 931-946.	1.0	6
67	Major- and Trace-Element Compositions of Indicator Minerals that Occur as Macro- and Megacrysts, and of Xenoliths, from Kimberlites in Northeastern Angola. <i>Minerals (Basel, Switzerland)</i> , 2012, 2, 318-337.	2.0	6
68	Fe-Ti(V) Oxide Deposits of the Kunene Anorthosite Complex (SW Angola): Mineralogy and Thermo-Oxybarometry. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 246.	2.0	6
69	Ilmenite as a recorder of kimberlite history from mantle to surface: examples from Indian kimberlites. <i>Mineralogy and Petrology</i> , 2018, 112, 569-581.	1.1	6
70	Source of ore-forming fluids in El Cobre VHMS deposit (Cuba): evidence from fluid inclusions and sulfur isotopes. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 85-90.	3.2	5
71	Origin of the mineralizing fluids from the Carboniferous sedex deposits of L'Alforja (SW Catalanian) Tj ETQq1 1 0.784314 rgBT /Overl	3.2	5
72	Low-temperature, platinum-group elements-bearing Ni arsenide assemblage from the Atrévada mine (Catalonian Coastal Ranges, NE Spain). <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2008, 185, 33-49.	0.3	5

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73	Styles of Alteration of Ti Oxides of the Kimberlite Groundmass: Implications on the Petrogenesis and Classification of Kimberlites and Similar Rocks. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 51.	2.0	5
74	Mineralogy and Distribution of Critical Elements in the Sn-W-Pb-Ag-Zn Huanuni Deposit, Bolivia. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 753.	2.0	5
75	Fe-Ti-Zr metasomatism in the oceanic mantle due to extreme differentiation of tholeiitic melts (Moa-Baracoa ophiolite, Cuba). <i>Lithos</i> , 2020, 358-359, 105420.	1.4	5
76	Accurate and Efficient SIMS Oxygen Isotope Analysis of Composition-Variable Minerals: Online Matrix Effect Calibration for Dolomite. <i>Analytical Chemistry</i> , 2022, 94, 7944-7951.	6.5	5
77	A New Kaolin Deposit in Western Africa: Mineralogical and Compositional Features of Kaolinite from Caluquembe (Angola). <i>Clays and Clay Minerals</i> , 2019, 67, 228-243.	1.3	4
78	Critical Elements in Supergene Phosphates: The Example of the Weathering Profile at the Gavà Neolithic Mines, Catalonia, Spain. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 3.	2.0	4
79	The Neolithic variscite mines of Gavà, Catalonia: Criteria for mineral exploration and exploitation in the Prehistory. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2019, 71, 295-319.	0.3	4
80	Stratigraphy of Lower Cambrian and unconformable Lower Carboniferous beds from the Valls unit (Catalonian Coastal Ranges). <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2000, 330, 147-153.	0.2	3
81	The incipient flash melting of scapolite and plagioclase megacrysts in alkali basalts of the Olot suite, Catalunya, Spain, and at Chuquet Genestoux, Puy-de-Dôme, France. <i>European Journal of Mineralogy</i> , 2018, 30, 45-59.	1.3	3
82	Sandstone-Hosted Uranium Deposits as a Possible Source for Critical Elements: The Eureka Mine Case, Castell-estac, Catalonia. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 34.	2.0	3
83	Sulfur Isotope Analysis to Examine the Provenance of Cinnabar Used in Wall Paintings in the Roman domus Avinyà (Barcelona). <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 6.	2.0	3
84	Comments on the paper "Ochreous laterite: a nickel ore from Punta Gorda, Cuba" by Oliveira et al.. <i>Journal of South American Earth Sciences</i> , 2003, 16, 199-202.	1.4	2
85	Geological context and origin of the mineralization of the historic and prehistoric iron mines in the Gavà area, Catalonia, NE Iberian Peninsula. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2019, 71, 321-342.	0.3	2
86	Colours of Gemmy Phosphates from the Gavà Neolithic Mines (Catalonia, Spain): Origin and Archaeological Significance. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 368.	2.0	2
87	Fluid evolution in the beryl-columbite-phosphate pegmatites of Cap de Creus (Catalonia, Spain). <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 17-21.	3.2	1
88	Vermiculite expansion through non-artificial processes in pyroclastic carbonatites from Catanda (Angola). <i>Clay Minerals</i> , 2016, 51, 747-762.	0.6	1
89	Ilmenite generations in kimberlite from Banankoro, Guinea Conakry. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2018, 195, 191-204.	0.3	1
90	Magma Mingling in Kimberlites: Evidence from the Groundmass Cocrystallization of Two Spinel-Group Minerals. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 829.	2.0	1

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91	Estudo da suscetibilidade ao escurecimento por radiação gama de quartzo rÃ³seo-leitoso da provÃncia pegmatÃtica da Borborema. Revista Brasileira De GeociÃncias, 2012, 42, .	0.1	1
92	Comments on the paper â€œTi-poor high-Al chromitites of the Moa-Baracoa ophiolitic massif (eastern) Tj ETQq0 0 0 rgBT /Overlock 10 T 2022, 148, 105019.	2.7	1
93	Los minerales de colecciÃn como recurso econÃmico en paÃses en vÃas de desarrollo. Boletin De La Sociedad Geologica Mexicana, 2010, 62, 55-100.	0.3	0
94	Recent carbonatitic magmatism in Angola: the dykes of the Chiva lagoon maar. Boletin De La Sociedad Geologica Mexicana, 2017, 69, 209-222.	0.3	0