Joan Carles Melgarejo i Draper

List of Publications by Year
in descending order

94	1,801	304743	315739
papers	citations	22 h-index	38 g-index

95	95	95	1480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colours of Gemmy Phosphates from the GavÃ Neolithic Mines (Catalonia, Spain): Origin and Archaeological Significance. Minerals (Basel, Switzerland), 2022, 12, 368.	2.0	2
2	Accurate and Efficient SIMS Oxygen Isotope Analysis of Composition-Variable Minerals: Online Matrix Effect Calibration for Dolomite. Analytical Chemistry, 2022, 94, 7944-7951.	6.5	5
3	Comments on the paper â€œTi-poor high-Al chromitites of the Moa-Baracoa ophiolitic massif (eastern) Tj ETQq1 1 0.784314 rgBT /Over 2022, 148, 105019.	2.7	1
4	Trace element composition and U-Pb ages of cassiterite from the Bolivian tin belt. Mineralium Deposita, 2021, 56, 1491-1520.	4.1	30
5	Sulfur Isotope Analysis to Examine the Provenance of Cinnabar Used in Wall Paintings in the Roman domus AvinyÃ³ (Barcelona). Minerals (Basel, Switzerland), 2021, 11, 6.	2.0	3
6	Light oxygen isotopes in mantle-derived magmas reflect assimilation of sub-continental lithospheric mantle material. Nature Communications, 2021, 12, 6295.	12.8	11
7	Machine learning algorithms applied toRaman spectra for the identification of variscite originating from the mining complex ofGavÃ. Journal of Raman Spectroscopy, 2020, 51, 1563-1574.	2.5	13
8	Nb and REE Distribution in the Monte Verde Carbonatiteâ€“Alkalineâ€“Agpaitic Complex (Angola). Minerals (Basel, Switzerland), 2020, 10, 5.	2.0	8
9	Magma Mingling in Kimberlites: Evidence from the Groundmass Cocrystallization of Two Spinel-Group Minerals. Minerals (Basel, Switzerland), 2020, 10, 829.	2.0	1
10	Recognizing and understanding silica-polymorph microcrystals in ceramic glazes. Journal of the European Ceramic Society, 2020, 40, 6188-6199.	5.7	15
11	Critical Elements in Supergene Phosphates: The Example of the Weathering Profile at the GavÃ Neolithic Mines, Catalonia, Spain. Minerals (Basel, Switzerland), 2020, 10, 3.	2.0	4
12	Fe-Ti-Zr metasomatism in the oceanic mantle due to extreme differentiation of tholeiitic melts (Moa-Baracoa ophiolite, Cuba). Lithos, 2020, 358-359, 105420.	1.4	5
13	Sandstone-Hosted Uranium Deposits as a Possible Source for Critical Elements: The Eureka Mine Case, Castell-EstaÃ³, Catalonia. Minerals (Basel, Switzerland), 2020, 10, 34.	2.0	3
14	Precious metals in magmatic Fe-Ni-Cu sulfides from the PotosÃ-chromitite deposit, eastern Cuba. Ore Geology Reviews, 2020, 118, 103339.	2.7	12
15	The PoopÃ³ Polymetallic Epithermal Deposit, Bolivia: Mineralogy, Genetic Constraints, and Distribution of Critical Elements. Minerals (Basel, Switzerland), 2019, 9, 472.	2.0	13
16	Lamprophyre-Carbonatite Magma Mingling and Subsolidus Processes as Key Controls on Critical Element Concentration in Carbonatitesâ€”The Bonga Complex (Angola). Minerals (Basel, Switzerland), 2019, 9, 601.	2.0	9
17	Indium Mineralization in the Volcanic Dome-Hosted Ã‰nimasâ€“Chocayaâ€“Siete Suyos Polymetallic Deposit, PotosÃ, Bolivia. Minerals (Basel, Switzerland), 2019, 9, 604.	2.0	14
18	A New Kaolin Deposit in Western Africa: Mineralogical and Compositional Features of Kaolinite from Caluquembe (Angola). Clays and Clay Minerals, 2019, 67, 228-243.	1.3	4

#	Article	IF	Citations
19	Spatial and Temporal Controls on the Distribution of Indium in Xenothermal Vein-Deposits: The Huari Huari District, PotosÃ, Bolivia. Minerals (Basel, Switzerland), 2019, 9, 304.	2.0	19
20	Breaking Preconceptions: Thin Section Petrography For Ceramic Glaze Microstructures. Minerals (Basel, Switzerland), 2019, 9, 113.	2.0	8
21	The Distribution of Rare Metals in the LCT Pegmatites from the GiraÃºl Field, Angola. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	9
22	Mineralogy and Distribution of Critical Elements in the Snâ€“Wâ€“Pbâ€“Agâ€“Zn Huanuni Deposit, Bolivia. Minerals (Basel, Switzerland), 2019, 9, 753.	2.0	5
23	Spatial-Temporal Migration of Granitoid Magmatism and the Phanerozoic Tectono-Magmatic Evolution of the Colombian Andes. Frontiers in Earth Sciences, 2019, , 253-410.	0.1	19
24	Phanerozoic Metallogeny in the Colombian Andes: A Tectono-magmatic Analysis in Space and Time. Frontiers in Earth Sciences, 2019, , 411-549.	0.1	7
25	The Neolithic variscite mines of GavÃ, Catalonia: Criteria for mineral exploration and exploitation in the Prehistory. Boletin De La Sociedad Geologica Mexicana, 2019, 71, 295-319.	0.3	4
26	Geological context and origin of the mineralization of the historic and prehistoric iron mines in the Gavalè area, Catalonia, NE Iberian Peninsula. Boletin De La Sociedad Geologica Mexicana, 2019, 71, 321-342.	0.3	2
27	The production of a lead glaze with galena: Thermal transformations in the PbSâ€“SiO₂ system. Journal of the American Ceramic Society, 2018, 101, 2119-2129.	3.8	10
28	The Upper Devonian Kellwasser event recorded in a regressive sequence from inner shelf to lagoonal pond, Catalan Coastal Ranges, Spain. Sedimentology, 2018, 65, 2055-2087.	3.1	12
29	Ilmenite generations in kimberlite from Banankoro, Guinea Conakry. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2018, 195, 191-204.	0.3	1
30	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). Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	20
31	The incipient flash melting of scapolite and plagioclase megacrysts in alkali basalts of the Olot suite, Catalunya, Spain, and at Chuquet Genestoux, Puy-de-DÃ´me, France. European Journal of Mineralogy, 2018, 30, 45-59.	1.3	3
32	Styles of Alteration of Ti Oxides of the Kimberlite Groundmass: Implications on the Petrogenesis and Classification of Kimberlites and Similar Rocks. Minerals (Basel, Switzerland), 2018, 8, 51.	2.0	5
33	Ilmenite as a recorder of kimberlite history from mantle to surface: examples from Indian kimberlites. Mineralogy and Petrology, 2018, 112, 569-581.	1.1	6
34	Re-Os and U-Pb Geochronology of the DoÃ±a 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. Economic Geology, 2017, 112, 829-853.	3.8	12
35	Use and misuse of Mg- and Mn-rich ilmenite in diamond exploration: A petrographic and trace element approach. Lithos, 2017, 292-293, 348-363.	1.4	18
36	Towards a unified genetic model for the Au-Ag-Cu Pueblo Viejo district, central Dominican Republic. Ore Geology Reviews, 2017, 89, 463-494.	2.7	13

#	Article	IF	Citations
37	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. Ore Geology Reviews, 2017, 84, 42-66.	2.7	10
38	U-Pb geochronology on zircon and columbite-group minerals of the Cap de Creus pegmatites, NE Spain. Mineralogy and Petrology, 2017, 111, 1-21.	1.1	27
39	Thin-section petrography and SR-Î¼XRD for the identification of micro-crystallites in the brown decorations of ceramic lead glazes. European Journal of Mineralogy, 2017, 29, 861-870.	1.3	17
40	Feâ€“Ti(â€“V) Oxide Deposits of the Kunene Anorthosite Complex (SW Angola): Mineralogy and Thermo-Oxybarometry. Minerals (Basel, Switzerland), 2017, 7, 246.	2.0	6
41	Southwestern Africa on the burner: Pleistocene carbonatite volcanism linked to deep mantle upwelling in Angola. Geology, 2017, 45, 971-974.	4.4	17
42	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
43	Vermiculite expansion through non-artificial processes in pyroclastic carbonatites from Catanda (Angola). Clay Minerals, 2016, 51, 747-762.	0.6	1
44	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. Mineralium Deposita, 2016, 51, 725-748.	4.1	32
45	Trace-element geochemistry and Uâ€“Pb dating of perovskite in kimberlites of the Lunda Norte province (NE Angola): Petrogenetic and tectonic implications. Chemical Geology, 2016, 426, 118-134.	3.3	34
46	Mineralogy, geochemistry and sulfur isotope characterization of Cerro de MaimÃ³n (Dominican) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 subduction initiation of the proto-Caribbean lithosphere within a fore-arc. Ore Geology Reviews, 2016, 72, 794-817.	2.7	34
47	Carbonatitic lavas in Catanda (Kwanza Sul, Angola): Mineralogical and geochemical constraints on the parental melt. Lithos, 2015, 232, 1-11.	1.4	17
48	The Catanda extrusive carbonatites (Kwanza Sul, Angola): an example of explosive carbonatitic volcanism. Bulletin of Volcanology, 2014, 76, 1.	3.0	14
49	EXTREME F ACTIVITIES IN LATE PEGMATITIC EVENTS AS A KEY FACTOR FOR LILE AND HFSE ENRICHMENT: THE ÃNGEL PEGMATITE, CENTRAL ARGENTINA. Canadian Mineralogist, 2014, 52, 247-269.	1.0	12
50	Chrysoberyl-sillimanite association from the Roncadeira pegmatite, Borborema Province, Brazil: implications for gemstone exploration. Journal of Geosciences (Czech Republic), 2013, , 79-90.	0.6	10
51	Major- and Trace-Element Compositions of Indicator Minerals that Occur as Macro- and Megacrysts, and of Xenoliths, from Kimberlites in Northeastern Angola. Minerals (Basel, Switzerland), 2012, 2, 318-337.	2.0	6
52	The El Muerto "NYF" Granitic Pegmatite, Oaxaca, Mexico, and Its Striking Enrichment In Allanite-(Ce) and Monazite-(Ce). Canadian Mineralogist, 2012, 50, 1055-1076.	1.0	22
53	Niobium and rare earth minerals from the Virulundo carbonatite, Namibe, Angola. Mineralogical Magazine, 2012, 76, 393-409.	1.4	38
54	Uâ€“Pb SHRIMP geochronology of zircon from the Catoca kimberlite, Angola: Implications for diamond exploration. Chemical Geology, 2012, 310-311, 137-147.	3.3	39

#	Article	IF	Citations
55	Tracing the chemical evolution of primary pyrochlore from plutonic to volcanic carbonatites: the role of fluorine. Mineralogical Magazine, 2012, 76, 377-392.	1.4	28
56	Subsolidus processes as a key factor on the distribution of Nb species in plutonic carbonatites: The Tchivira case, Angola. Lithos, 2012, 152, 187-201.	1.4	29
57	Estudo da suscetibilidade ao escurecimento por radiaÃ§Ã£o gama de quartzo rÃ³seo-leitoso da provÃncia pegmatÃtica da Borborema. Revista Brasileira De GeociÃªncias, 2012, 42, .	0.1	1
58	THE INDIUM-BEARING MINERALS OF THE PINGUINO POLYMETALLIC VEIN SYSTEM, DESEADO MASSIF, PATAGONIA, ARGENTINA. Canadian Mineralogist, 2011, 49, 931-946.	1.0	6
59	High-Cr and high-Al chromitites from the Sagua de TÃ¡namo district, MayarÃ-Cristal ophiolitic massif (eastern Cuba): Constraints on their origin from mineralogy and geochemistry of chromian spinel and platinum-group elements. Lithos, 2011, 125, 101-121.	1.4	160
60	Capabilities of through-the-substrate microdiffraction:Âapplication of Patterson-function directÂmethods to synchrotron data from polished thin sections. Journal of Synchrotron Radiation, 2011, 18, 891-898.	2.4	13
61	Garutiite, (Ni,Fe,Ir), a new hexagonal polymorph of native Ni from Loma Peguera, Dominican Republic. European Journal of Mineralogy, 2010, 22, 293-304.	1.3	27
62	TÃ©cnicas de caracterizaciÃ³n mineral y su aplicaciÃ³n en exploraciÃ³n y explotaciÃ³n minera. Boletin De La Sociedad Geologica Mexicana, 2010, 62, 1-23.	0.3	14
63	Los minerales de coleccciÃ³n como recurso econÃ³mico en paÃses en vÃas de desarrollo. Boletin De La Sociedad Geologica Mexicana, 2010, 62, 55-100.	0.3	0
64	The Loma Peguera ophiolitic chromitite (Central Dominican Republic): a source of new platinum group minerals (PGM) species. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2009, 185, 335-349.	0.3	23
65	Contrasting compositions and textures of ilmenite in the Catoca kimberlite, Angola, and implications in exploration for diamond. Lithos, 2009, 112, 966-975.	1.4	25
66	Crystal-structure refinement of Fe3+-rich aerinite from synchrotron powder diffraction and Mossbauer data. European Journal of Mineralogy, 2009, 21, 233-240.	1.3	9
67	Geology, fluid inclusion and sulphur isotope characteristics of the El Cobre VHMS deposit, Southern Cuba. Mineralium Deposita, 2008, 43, 805-824.	4.1	9
68	FLUID EVOLUTION IN THE ZONED RARE-ELEMENT PEGMATITE FIELD AT CAP DE CREUS, CATALONIA, SPAIN. Canadian Mineralogist, 2008, 46, 597-617.	1.0	24
69	Low-temperature, platinum-group elements-bearing Ni arsenide assemblage from the Atrevida mine (Catalonian Coastal Ranges, NE Spain). Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2008, 185, 33-49.	0.3	5
70	Distribution of platinum-group elements and Os isotopes in chromite ores from MayarÃ-Baracoa Ophiolitic Belt (eastern Cuba). Contributions To Mineralogy and Petrology, 2005, 150, 589-607.	3.1	121
71	Stable Isotope Geochemistry of the Carboniferous Zn-Pb-Cu Sediment-Hosted Sulfide Deposits, Northeastern Spain. International Geology Review, 2005, 47, 1298-1315.	2.1	10
72	Isotopic evidence for biogenic precipitation as a principal mineralization process in coastal gasohydrothermal vents, Punta Mita, Mexico. Chemical Geology, 2005, 224, 113-121.	3.3	21

#	Article	IF	Citations
73	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. Journal of Geochemical Exploration, 2004, 82, 17-33.	3.2	27
74	Electromagnetic imaging of Variscan crustal structures in SW Iberia: the role of interconnected graphite. Earth and Planetary Science Letters, 2004, 217, 435-450.	4.4	69
75	Methane-related carbonates formed at submarine hydrothermal springs: a new setting for microbially-derived carbonates?. Marine Geology, 2003, 199, 245-261.	2.1	49
76	D, O and C isotopes in podiform chromitites as fluid tracers for hydrothermal alteration processes of the MayarÃ-â€" Baracoa Ophiolitic Belt, eastern Cuba. Journal of Geochemical Exploration, 2003, 78-79, 117-122.	3.2	9
77	Source of ore-forming fluids in El Cobre VHMSdeposit (Cuba): evidence from fluid inclusions and sulfur isotopes. Journal of Geochemical Exploration, 2003, 78-79, 85-90.	3.2	5
78	Origin of the mineralizing fluids from the Carboniferous sedex deposits of L'Alforja (SW Catalonian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	5
79	Fluid evolution in the beryl-columbite-phosphate pegmatitesof Cap de Creus (Catalonia, Spain). Journal of Geochemical Exploration, 2003, 78-79, 17-21.	3.2	1
80	Sulfur isotope geochemistry of the submarine hydrothermalcoastal vents of Punta Mita, Mexico. Journal of Geochemical Exploration, 2003, 78-79, 301-304.	3.2	7
81	Comments on the paper â€œOchreous laterite: a nickel ore from Punta Gorda, Cubaâ€•by Oliveira et al.. Journal of South American Earth Sciences, 2003, 16, 199-202.	1.4	2
82	GEOCHEMISTRY OF FELDSPARS AND MUSCOVITE IN GRANITIC PEGMATITE FROM THE CAP DE CREUS FIELD, CATALONIA, SPAIN. Canadian Mineralogist, 2003, 41, 103-116.	1.0	52
83	V-RICH MINERALS IN CONTACT-METAMORPHOSED SILURIAN SEDEX DEPOSITS IN THE POBLET AREA, SOUTHWESTERN CATALONIA, SPAIN. Canadian Mineralogist, 2003, 41, 561-579.	1.0	17
84	PGE-BEARING MINERALS IN SILURIAN SEDEX DEPOSITS IN THE POBLET AREA, SOUTHWESTERN CATALONIA, SPAIN. Canadian Mineralogist, 2003, 41, 581-595.	1.0	7
85	Mining and geological knowledge during the Neolithic: a geological study on the variscite mines at GavÃ, Catalonia. Episodes, 2003, 26, 295-301.	1.2	14
86	CINNABAR DEPOSITION IN SUBMARINE COASTAL HYDROTHERMAL VENTS, PACIFIC MARGIN OF CENTRAL MEXICO. Economic Geology, 2002, 97, 1331-1340.	3.8	40
87	Sulphur isotope composition of Silurian shale-hosted PGE-Ag-Au-Zn-Cu mineralisations of the Prades Mountains (Catalonia, Spain). Mineralium Deposita, 2002, 37, 198-212.	4.1	6
88	CINNABAR DEPOSITION IN SUBMARINE COASTAL HYDROTHERMAL VENTS, PACIFIC MARGIN OF CENTRAL MEXICO. Economic Geology, 2002, 97, 1331-1340.	3.8	8
89	Genesis of sulfide-rich chromite ores by the interaction between chromitite and pegmatitic olivineâ€“norite dikes in the PotosÃ-Mine (Moa-Baracoa ophiolitic massif, eastern Cuba). Mineralium Deposita, 2001, 36, 658-669.	4.1	24
90	Structure solution from powder data of the phosphate hydrate tinticite. European Journal of Mineralogy, 2000, 12, 581-588.	1.3	12

#	Article	IF	Citations
91	Stratigraphy of Lower Cambrian and unconformable Lower Carboniferous beds from the Valls unit (Catalonian Coastal Ranges). Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie Ii, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 330, 147-153.	0.2	3
92	Al- and Cr-rich chromitites from the Mayari-Baracoa ophiolitic belt (eastern Cuba); consequence of interaction between volatile-rich melts and peridotites in suprasubduction mantle. Economic Geology, 1999, 94, 547-566.	3.8	193
93	Nb-Ta-minerals from the cap de creus pegmatite field, eastern Pyrenees: distribution and geochemical trends. Mineralogy and Petrology, 1995, 55, 53-69.	1.1	38
94	The Albera zoned pegmatite field, Eastern Pyrenees, France. Mineralogy and Petrology, 1995, 55, 103-116.	1.1	17