

Daniel Vielzeuf

List of Publications by Year in descending order

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46
papers

5,816
citations

236925

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all docs

49
docs citations

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times ranked

3433
citing authors

#	ARTICLE	IF	CITATIONS
1	Age, duration and mineral markers of magma interactions in the deep crust: an example from the Pyrenees. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	6
2	Synchrotron high-resolution XRD and thermal expansion of synthetic Mg calcites. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	4
3	Lead (Pb) profiles in red coral skeletons as high resolution records of pollution in the Mediterranean Sea. <i>Chemical Geology</i> , 2019, 525, 112-124.	3.3	6
4	Growth Kinetics and Distribution of Trace Elements in Precious Corals. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	24
5	Crystallography of Complex Forms: The Case of Octocoral Sclerites. <i>Crystal Growth and Design</i> , 2017, 17, 5080-5097.	3.0	2
6	The coordination of sulfur in synthetic and biogenic Mg calcites: The red coral case. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 226-244.	3.9	26
7	Raman characterization of synthetic magnesian calcites. <i>American Mineralogist</i> , 2016, 101, 2525-2538.	1.9	63
8	Block-by-block and layer-by-layer growth modes in coral skeletons. <i>American Mineralogist</i> , 2015, 100, 681-695.	1.9	23
9	Thermally Induced Modifications and Phase Transformations of Red Coral Mg-Calcite Skeletons from Infrared Spectroscopy and High Resolution Synchrotron Powder Diffraction Analyses. <i>Crystal Growth and Design</i> , 2015, 15, 3690-3706.	3.0	9
10	Distribution of sulphur and magnesium in the red coral. <i>Chemical Geology</i> , 2013, 355, 13-27.	3.3	47
11	Ordered Misorientations and Preferential Directions of Growth in Mesocrystalline Red Coral Sclerites. <i>Crystal Growth and Design</i> , 2012, 12, 4805-4820.	3.0	19
12	Uphill diffusion, zero-flux planes and transient chemical solitary waves in garnet. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 683-702.	3.1	18
13	Mesoscale twinning and crystallographic registers in biominerals. <i>American Mineralogist</i> , 2011, 96, 1228-1237.	1.9	26
14	Titanium in phengite: a geobarometer for high temperature eclogites. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 1-24.	3.1	172
15	Multilevel modular mesocrystalline organization in red coral. <i>American Mineralogist</i> , 2010, 95, 242-248.	1.9	47
16	An Experimental Determination of the Effect of Bulk Composition on Phase Relationships in Metasediments at Near-solidus Conditions. <i>Journal of Petrology</i> , 2009, 50, 909-931.	2.8	13
17	Zoning of phosphorus in igneous olivine. <i>Contributions To Mineralogy and Petrology</i> , 2008, 155, 739-765.	3.1	175
18	Nano to macroscale biomineral architecture of red coral (<i>Corallium rubrum</i>). <i>American Mineralogist</i> , 2008, 93, 1799-1815.	1.9	78

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19	Calcium diffusivity in aluminosilicate garnets: an experimental and ATEM study. Contributions To Mineralogy and Petrology, 2007, 154, 153-170.	3.1	78
20	Experimental evidence of decompression melting during exhumation of subducted continental crust. Contributions To Mineralogy and Petrology, 2006, 152, 125-148.	3.1	240
21	SIMS analyses of oxygen isotopes: Matrix effects in Fe-Mg-Ca garnets. Chemical Geology, 2005, 223, 208-226.	3.3	56
22	Oxygen isotope heterogeneities and diffusion profile in composite metamorphic-magmatic garnets from the Pyrenees. American Mineralogist, 2005, 90, 463-472.	1.9	58
23	Melting and dissolution of subducting crust at high pressures: the key role of white mica. Earth and Planetary Science Letters, 2004, 228, 65-84.	4.4	380
24	Morphological analysis of olivine grains annealed in an iron-nickel matrix: Experimental constraints on the origin of pallasites and on the thermal history of their parent bodies. Meteoritics and Planetary Science, 2003, 38, 427-444.	1.6	23
25	Melting relations in hydrous systems revisited: application to metapelites, metagreywackes and metabasalts. Contributions To Mineralogy and Petrology, 2001, 141, 251-267.	3.1	313
26	Preservation of old U-Th-Pb ages in shielded monazite: example from the Beni Bousera Hercynian kinzigites (Morocco). Journal of Metamorphic Geology, 2000, 18, 335-342..	3.4	214
27	Experimental study of argon sorption in quartz: Evidence for argon incompatibility. Geochimica Et Cosmochimica Acta, 1997, 61, 533-542.	3.9	20
28	Partial melting of metagreywackes, Part II. Compositions of minerals and melts. Contributions To Mineralogy and Petrology, 1997, 128, 176-196.	3.1	366
29	High-pressure granulites from the Sudetes (south-west Poland): evidence of crustal subduction and collisional thickening in the Variscan Belt. Journal of Metamorphic Geology, 1996, 14, 531-546.	3.4	100
30	An improved experimental calibration of the olivine-spinel geothermometer. Diqui Huaxue, 1995, 14, 68-77.	0.5	58
31	Chemical Indicator of Spinel During Partial Melting and Subsolvus Equilibration of Mantle Peridotite: Experimental Study and Application to Natural Rocks. Acta Geologica Sinica, 1995, 8, 420-435.	1.4	1
32	Partial melting of metagreywackes. Part I. Fluid-absent experiments and phase relationships. Contributions To Mineralogy and Petrology, 1994, 117, 375-393.	3.1	490
33	Reinvestigation of fayalite+anorthite=garnet. Contributions To Mineralogy and Petrology, 1992, 111, 260-263.	3.1	9
34	Glaucofane-bearing assemblage overprinted by greenschist-facies metamorphism in the Variscan Kaczawa complex, Sudetes, Poland. Journal of Metamorphic Geology, 1990, 8, 345-355.	3.4	51
35	Granites, Granulites, and Crustal Differentiation. , 1990, , 59-85.		108
36	Geodynamic implications of granulitic rocks in the Hercynian belt. Geological Society Special Publication, 1989, 43, 343-348.	1.3	15

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37	NATO granulite conference. Eos, 1989, 70, 752.	0.1	0
38	Experimental determination of the fluid-absent melting relations in the pelitic system. Contributions To Mineralogy and Petrology, 1988, 98, 257-276.	3.1	1,019
39	Les granulites de haute-pression d'Europe moyenne temoins d'une subduction eo-hercynienne; implications sur l'origine des groupes leptyno-amphiboliques. Bulletin - Societe Geologique De France, 1988, IV, 13-20.	2.2	47
40	Constraints on melting and magma production in the crust. Earth and Planetary Science Letters, 1987, 86, 287-306.	4.4	697
41	Structural control of the chlorine content of OH-bearing silicates (micas and amphiboles). Geochimica Et Cosmochimica Acta, 1985, 49, 37-48.	3.9	186
42	“Crustal splitting and the emplacement of Pyrenean lherzolites and granulites” A reply to M.W. Fischer. Earth and Planetary Science Letters, 1984, 70, 439-443.	4.4	4
43	Crustal splitting and the emplacement of Pyrenean lherzolites and granulites. Earth and Planetary Science Letters, 1984, 67, 87-96.	4.4	153
44	Transcurrent Crustal Thinning: A Mechanism for the Uplift of Deep Continental Crust / Upper Mantle Associations.. Developments in Petrology, 1984, 11, 347-359.	0.1	17
45	The spinel and quartz associations in high grade xenoliths from Tallante (S.E. Spain) and their potential use in geothermometry and barometry. Contributions To Mineralogy and Petrology, 1983, 82, 301-311.	3.1	128
46	Granulites and related rocks in variscan median Europe: A dualistic interpretation. Tectonophysics, 1983, 93, 47-74.	2.2	193