

Hans-Peter Schertl

List of Publications by Year in descending order

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53
papers

1,353
citations

361296

20
h-index

345118

36
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54
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54
docs citations

54
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	A coesite inclusion in dolomite in Dabie Shan, China: Petrological and rheological significance. <i>European Journal of Mineralogy</i> , 1994, 6, 995-1000.	0.4	115
2	The Kokchetav Massif, Kazakhstan: a "Type locality" of diamond-bearing UHP metamorphic rocks. <i>Journal of Asian Earth Sciences</i> , 2013, 63, 5-38.	1.0	92
3	Mass flow in serpentinite-hosted subduction channels: P-T path patterns of metamorphic blocks in the Rio San Juan mélange (Dominican Republic). <i>Journal of Asian Earth Sciences</i> , 2011, 42, 569-595.	1.0	86
4	Factors in the preservation of coesite: The importance of fluid infiltration. <i>American Mineralogist</i> , 2005, 90, 779-789.	0.9	78
5	In situ zircon U-Pb dating and whole-rock geochemistry of metasedimentary rocks from South Liaohe Group, Jiao-Liao-Ji orogenic belt: Constraints on the depositional and metamorphic ages, and implications for tectonic setting. <i>Precambrian Research</i> , 2017, 303, 764-780.	1.2	60
6	The UHP Unit in the Dora-Maira Massif, Western Alps. <i>International Geology Review</i> , 1999, 41, 765-780.	1.1	59
7	Nanometer-size P/K-rich silica glass (former melt) inclusions in microdiamond from the gneisses of Kokchetav and Erzgebirge massifs: Diversified characteristics of the formation media of metamorphic microdiamond in UHP rocks due to host-rock buffering. <i>Earth and Planetary Science Letters</i> , 2006, 243, 94-106.	1.8	58
8	Mg-O isotopes trace the origin of Mg-rich fluids in the deeply subducted continental crust of Western Alps. <i>Earth and Planetary Science Letters</i> , 2016, 456, 157-167.	1.8	53
9	Optical microscope-cathodoluminescence (OM-CL) imaging as a powerful tool to reveal internal textures of minerals. <i>Mineralogy and Petrology</i> , 2013, 107, 373-392.	0.4	50
10	Metamorphic ultrahigh-pressure tourmaline: Structure, chemistry, and correlations to P-T conditions. <i>American Mineralogist</i> , 2010, 95, 1-10.	0.9	49
11	Fluid-mediated modification of garnet interiors under ultrahigh-pressure conditions. <i>Terra Nova</i> , 2005, 17, 545-553.	0.9	48
12	UHP-metamorphic rocks from Dora Maira/Western Alps and Kokchetav/Kazakhstan: New insights using cathodoluminescence petrography. <i>European Journal of Mineralogy</i> , 2004, 16, 49-57.	0.4	46
13	Petrology and zircon U-Pb dating of meta-calcsilicate from the Jiaobei terrane in the Jiao-Liao-Ji Belt of the North China craton. <i>Precambrian Research</i> , 2018, 313, 221-241.	1.2	38
14	Petrogenesis of early cretaceous andesite dykes in the Sulu orogenic belt, eastern China. <i>Mineralogy and Petrology</i> , 2019, 113, 77-97.	0.4	34
15	Rodingites from the Xigaze ophiolite, southern Tibet - new insights into the processes of rodingitization. <i>European Journal of Mineralogy</i> , 2017, 29, 821-837.	0.4	31
16	Tracking Fe mobility and Fe speciation in subduction zone fluids at the slab-mantle interface in a subduction channel: A tale of whiteschist from the Western Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 1-16.	1.6	27
17	Geochemistry, geochronology and Sr-Nd-Hf isotopes of two types of Early Cretaceous granite porphyry dykes in the Sulu orogenic belt, eastern China. <i>Canadian Journal of Earth Sciences</i> , 2020, 57, 249-266.	0.6	26
18	Mineral inclusions in rutile: A novel recorder of HP-UHP metamorphism. <i>Earth and Planetary Science Letters</i> , 2016, 446, 137-148.	1.8	23

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19	Tracing subduction zone fluids with distinct Mg isotope compositions: Insights from high-pressure metasomatic rocks (leucophyllites) from the Eastern Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 154-178.	1.6	23
20	Detrital zircon U-Pb geochronology and Hf isotopes of the Liaohe Group, Jiao-Liao-Ji Belt: Implications for the Paleoproterozoic tectonic evolution. <i>Precambrian Research</i> , 2020, 340, 105633.	1.2	23
21	Eclogite from the Qianliyan Island in the Yellow Sea: a missing link between the mainland of China and the Korean peninsula. <i>European Journal of Mineralogy</i> , 2014, 26, 727-741.	0.4	21
22	Fluid inclusions in jadeitite and jadeite-rich rock from serpentinite mÃ©langes in northern Hispaniola: Trapped ambient fluids in a cold subduction channel. <i>Lithos</i> , 2018, 308-309, 227-241.	0.6	20
23	Zircon geochemical constraints on the protolith nature and metasomatic process of the Mg-rich whiteschist from the Western Alps. <i>Chemical Geology</i> , 2017, 467, 177-195.	1.4	18
24	Inherited igneous zircons in jadeitite predate high-pressure metamorphism and jadeitite formation in the Jagua Clara serpentinite mÃ©lange of the Rio San Juan Complex (Dominican Republic). <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	17
25	Relict Unusually Low Iron Pyrope-Grossular Garnets in UHPM Calc-silicate Rocks of the Kokchetav Massif, Kazakhstan. <i>International Geology Review</i> , 2007, 49, 717-731.	1.1	16
26	Geochemistry, geochronology and evolution of Paleoproterozoic granitoid gneisses in the Khondalite Belt, North China Craton. <i>Precambrian Research</i> , 2020, 338, 105590.	1.2	16
27	Multiple growth mechanisms of jadeite in Cuban metabasite. <i>European Journal of Mineralogy</i> , 2012, 24, 217-235.	0.4	15
28	Deep-seated Carbonatite Intrusion and Metasomatism in the UHP TromsÃ© Nappe, Northern Scandinavian Caledonidesâ€”a Natural Example of Generation of Carbonatite from Carbonated Eclogite. <i>Journal of Petrology</i> , 2017, 58, 2403-2428.	1.1	15
29	From magmatic generation to UHP metamorphic overprint and subsequent exhumation: A rapid cycle of plate movement recorded by the supra-subduction zone ophiolite from the North Qaidam orogen. <i>Lithos</i> , 2019, 350-351, 105238.	0.6	15
30	Fe and O isotopes in coesite-bearing jadeite quartzite from the Western Alps record multistage fluid-rock interactions in a continental subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 312, 1-24.	1.6	15
31	Tourmaline boron isotopes trace metasomatism by serpentinite-derived fluid in continental subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 122-142.	1.6	15
32	Tracking the incidence of excess argon in white mica ArÃ©Ar data from UHP conditions to upper crustal levels in the Dora-Maira Massif, Western Alps. <i>European Journal of Mineralogy</i> , 2016, 28, 1255-1275.	0.4	12
33	Newly discovered MORB-Type HP garnet amphibolites from the Indus-Yarlung Tsangpo suture zone: Implications for the Cenozoic IndiaÃ©Asia collision. <i>Gondwana Research</i> , 2021, 90, 102-117.	3.0	12
34	Rodingitization records from ocean-floor to high pressure metamorphism in the Xigaze ophiolite, southern Tibet. <i>Gondwana Research</i> , 2022, 104, 126-153.	3.0	12
35	Metamorphic and geochronological evolution of Paleoproterozoic high-pressure ultra-high-temperature pelitic granulite, Chicheng, northern Trans-North China Orogen. <i>Precambrian Research</i> , 2021, 361, 106237.	1.2	11
36	Cathodoluminescence Microscopy of Zircon in HP- and UHP-Metamorphic Rocks: A Fundamental Technique for Assessing the Problem of Inclusions versus Pseudo-Inclusions. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1095-1107.	1.1	10

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37	Timanide (Ediacaran-Early Cambrian) Metamorphism at the Transition from Eclogite to Amphibolite Facies in the Beloretsk Complex, SW-Urals, Russia. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1144-1165.	1.1	10
38	An early high-pressure history preceeded pelitic ultrahigh-temperature granulite formation in the Tuguiwula area, Khondalite Belt, North China Craton. <i>Precambrian Research</i> , 2021, 357, 106123.	1.2	10
39	Mobilization and fractionation of Ti-Nb-Ta during exhumation of deeply subducted continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 319, 271-295.	1.6	10
40	Preface: Metamorphism and Orogenic Beltsâ€™ Response from Micro- to Macro-Scale. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1075-1083.	1.1	9
41	â€™Hotâ€™ subduction initiation and the origin of the Yarlung-Tsangbo ophiolites, southern Tibet: New insights from ultrahigh temperature metamorphic soles. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117610.	1.8	9
42	Serpentine-derived low $\delta^{7}\text{Li}$ fluids in continental subduction zones: Constraints from the fluid metasomatic rocks (whiteschist) from the Dora-Maira Massif, Western Alps. <i>Lithos</i> , 2019, 348-349, 105177.	0.6	8
43	Rutile inclusions in garnet from a dissolutionâ€™reprecipitation mechanism. <i>Journal of Metamorphic Geology</i> , 2019, 37, 1079-1098.	1.6	7
44	Zircon U-Pb-Hf isotopes and geochemistry of Jurassic igneous rocks from the southern Zhangguangcai Range, NE China: constraints on magmatism, petrogenesis and tectonic implications. <i>International Geology Review</i> , 2020, 62, 1988-2012.	1.1	6
45	Petrography, mineralogy and geochemistry of jadeite-rich artefacts from the Playa Grande excavation site, northern Hispaniola: evaluation of local provenance from the RÃƒo San Juan Complex. <i>Geological Society Special Publication</i> , 2019, 474, 231-253.	0.8	5
46	Diversity of zircon U-Pb geochronology of meta-sedimentary rocks from the Gaixian Formation, South Liaohe Group, Jiao-Liao-Ji belt: Implications for different provenance and crustal evolution. <i>Precambrian Research</i> , 2021, 362, 106317.	1.2	5
47	Multistage origin of dunite in the Purang ophiolite, southern Tibet, documented by composition, exsolution and Li isotope characteristics of constituent minerals. <i>European Journal of Mineralogy</i> , 2020, 32, 187-207.	0.4	5
48	Natural End Member Samples of Pyrope and Grossular: A Cathodoluminescence-Microscopy and -Spectra Case Study. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 989-1004.	1.1	4
49	Two Contrasting Exhumation Scenarios of Deeply Subducted Continental Crust in North Pakistan. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	3
50	Mesoproterozoic HT-UHT granulites from the central Bushmanland Domain, Namaqua Metamorphic Province, South Africa: Metamorphic P-T evolution and geochronological constraints. <i>Precambrian Research</i> , 2021, 359, 106206.	1.2	2
51	RhÃƒnrite in Cenozoic alkali basalt from Changle, Shandong Province, China, and its significance. <i>European Journal of Mineralogy</i> , 2020, 32, 325-346.	0.4	1
52	Garnetite, garnet-quartz (â€™coticuleâ€™ TM) and calc-silicate layers in high-pressure metapelitic rocks, Venezuela: metamorphosed exhalites in a Cretaceous back-arc basin. <i>International Geology Review</i> , 0, , 1-26.	1.1	0
53	A special issue devoted to Christian Chopin, in recognition of 30 years of dedicated service to the <i>European Journal of Mineralogy</i> . <i>European Journal of Mineralogy</i> , 2019, 31, 661-663.	0.4	0