

# Joerg Hermann

## List of Publications by Year in descending order

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190  
papers

16,448  
citations

11639

70  
h-index

16636

123  
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207  
all docs

207  
docs citations

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times ranked

6159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep subduction, melting, and fast cooling of metapelites from the Cima Lunga Unit, Central Alps. <i>Journal of Metamorphic Geology</i> , 2022, 40, 121-143.	1.6	5
2	Melting of subducted slab dictates trace element recycling in global arcs. <i>Science Advances</i> , 2022, 8, eabh2166.	4.7	18
3	Depletion and refertilisation of the lithospheric mantle below the Kapsiki plateau (Northern Tj ETQq1 1 0.784314 rgBT /Overlock 10 T <i>Journal of African Earth Sciences</i> , 2022, , 104483.	0.9	0
4	An Experimental Study of Chlorite Stability in Varied Subduction Zone Lithologies with Implications for Fluid Production, Melting, and Diapirism in Chlorite-Rich MÅ@lange Rocks. <i>Journal of Petrology</i> , 2022, 63, .	1.1	8
5	COH-fluid induced metasomatism of peridotites in the forearc mantle. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	1.2	10
6	Serpentinite dehydration at low pressures. <i>Swiss Journal of Geosciences</i> , 2022, 115, .	0.5	5
7	How fluid infiltrates dry crustal rocks during progressive eclogitization and shear zone formation: insights from H2O contents in nominally anhydrous minerals. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, .	1.2	5
8	A shock recovery experiment and its implications for Mercury's surface: The effect of high pressure on porous olivine powder as a regolith analog. <i>Icarus</i> , 2021, 357, 114162.	1.1	5
9	Iterative thermodynamic modellingâ€™ Part 2: Tracing equilibrium relationships between minerals in metamorphic rocks. <i>Journal of Metamorphic Geology</i> , 2021, 39, 651-674.	1.6	7
10	Multiple Episodes of Fluid Infiltration Along a Single Metasomatic Channel in Metacarbonates (Mogok) Tj ETQq0 0 0 rgBT /Overlock 10 T of <i>Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	13
11	Magmatic flare-up causes crustal thickening at the transition from subduction to continental collision. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	19
12	A combined Fourier transform infrared and Cr K-edge X-ray absorption near-edge structure spectroscopy study of the substitution and diffusion of H in Cr-doped forsterite. <i>European Journal of Mineralogy</i> , 2021, 33, 113-138.	0.4	8
13	Using the elastic properties of zircon-garnet host-inclusion pairs for thermobarometry of the ultrahigh-pressure Dora-Maira whiteschists: problems and perspectives. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	17
14	Water transfer to the deep mantle through hydrous, Al-rich silicates in subduction zones. <i>Geology</i> , 2021, 49, 911-915.	2.0	16
15	Textural and Geochemical Evidence for Magnetite Production upon Antigorite Breakdown During Subduction. <i>Journal of Petrology</i> , 2021, 62, .	1.1	12
16	Oxygen diffusion in garnet: experimental calibration and implications for timescales of metamorphic processes and retention of primary O isotopic signatures. <i>American Mineralogist</i> , 2021, , .	0.9	0
17	The Molybdenum isotope subduction recycling conundrum: A case study from the Tongan subduction zone, Western Alps and Alpine Corsica. <i>Chemical Geology</i> , 2021, 576, 120231.	1.4	25
18	Measuring in situ CO2 and H2O in apatite via ATR-FTIR. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	8

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19	Evidence for UHP anatexis in the Shuanghe UHP paragneiss from inclusions in clinozoisite, garnet, and zircon. <i>Journal of Metamorphic Geology</i> , 2020, 38, 129-155.	1.6	12
20	Establishing a protocol for the selection of zircon inclusions in garnet for Raman thermobarometry. <i>American Mineralogist</i> , 2020, 105, 992-1001.	0.9	15
21	Elucidating the processes affecting highly primitive lavas of the Borgarhraun flow (northern) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	2
22	Let there be water: How hydration/dehydration reactions accompany key Earth and life processes#. <i>American Mineralogist</i> , 2020, 105, 1152-1160.	0.9	10
23	The role of the antigorite+brucite to olivine reaction in subducted serpentinites (Zermatt,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	22
24	Correction to: The role of the antigorite+brucite to olivine reaction in subducted serpentinites (Zermatt, Switzerland). <i>Swiss Journal of Geosciences</i> , 2020, 113, .	0.5	2
25	Crustal reworking and hydration: insights from element zoning and oxygen isotopes of garnet in high-pressure rocks (Sesia Zone, Western Alps). <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	9
26	Mg diffusion in forsterite from 1250-1600 Å°C. <i>American Mineralogist</i> , 2020, 105, 525-537.	0.9	12
27	Identification of growth mechanisms in metamorphic garnet by high-resolution trace element mapping with LA-ICP-TOFMS. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	57
28	Tracing fluid transfers in subduction zones: an integrated thermodynamic and &lt;i>i&gt;&lt;sup&gt;18&lt;/sup&lt;/i>O fractionation modelling approach. <i>Solid Earth</i> , 2020, 11, 307-328.	1.2	18
29	Investigation of Fluid-driven Carbonation of a Hydrated, Forearc Mantle Wedge using Serpentine Cores in High-pressure Experiments. <i>Journal of Petrology</i> , 2020, 61, .	1.1	13
30	Episodic formation of Neotethyan ophiolites (Tibetan plateau): Snapshots of abrupt global plate reorganizations during major episodes of supercontinent breakup?. <i>Earth-Science Reviews</i> , 2020, 203, 103144.	4.0	26
31	Sustainable densification of the deep crust. <i>Geology</i> , 2020, 48, 673-677.	2.0	20
32	A mapping approach for the investigation of Ti-OH relationships in metamorphic garnet. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	12
33	Changes in the cell parameters of antigorite close to its dehydration reaction at subduction zone conditions. <i>American Mineralogist</i> , 2020, 105, 569-582.	0.9	12
34	Coupled inter-site reaction and diffusion: Rapid dehydrogenation of silicon vacancies in natural olivine. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 220-242.	1.6	26
35	Arc magmas oxidized by water dissociation and hydrogen incorporation in orthopyroxene. <i>Nature Geoscience</i> , 2019, 12, 667-671.	5.4	69
36	Subducting serpentinites release reduced, not oxidized, aqueous fluids. <i>Scientific Reports</i> , 2019, 9, 19573.	1.6	73

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37	Acceptance of the Dana Medal of the Mineralogical Society of America for 2018. <i>American Mineralogist</i> , 2019, 104, 624-624.	0.9	0
38	Halogens and noble gases in serpentinites and secondary peridotites: Implications for seawater subduction and the origin of mantle neon. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 285-304.	1.6	47
39	Experimental Phase Relations in Altered Oceanic Crust: Implications for Carbon Recycling at Subduction Zones. <i>Journal of Petrology</i> , 2018, 59, 299-320.	1.1	39
40	Substitution and diffusion of Cr <sup>2+</sup> and Cr <sup>3+</sup> in synthetic forsterite and natural olivine at 1200–1500 °C and 1–bar. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 407-428.	1.6	35
41	Timescales between mantle metasomatism and kimberlite ascent indicated by diffusion profiles in garnet crystals from peridotite xenoliths. <i>Earth and Planetary Science Letters</i> , 2018, 481, 143-153.	1.8	31
42	Hydrogen incorporation and retention in metamorphic olivine during subduction: Implications for the deep water cycle. <i>Geology</i> , 2018, 46, 571-574.	2.0	17
43	The role of trace elements in controlling H incorporation in San Carlos olivine. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	1.2	39
44	Oxygen isotope analysis of olivine by ion microprobe: Matrix effects and applications to a serpentinised dunite. <i>Chemical Geology</i> , 2018, 499, 126-137.	1.4	19
45	<i>In Situ</i> Oxygen Isotope Determination in Serpentine Minerals by Ion Microprobe: Reference Materials and Applications to Ultrahigh-Pressure Serpentinites. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 459-479.	1.7	22
46	The influence of oceanic oxidation on serpentinite dehydration during subduction. <i>Earth and Planetary Science Letters</i> , 2018, 499, 173-184.	1.8	34
47	Experimental constraints on hydrogen diffusion in garnet. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	1.2	24
48	Phase relations and melting of nominally "dry" residual eclogites with variable CaO/Na <sub>2</sub> O from 3 to 5 GPa and 1250 to 1500 °C; implications for refertilisation of upwelling heterogeneous mantle. <i>Lithos</i> , 2018, 314-315, 506-519.	0.6	8
49	An experimental investigation of CO <sub>2</sub> -H fluid-driven carbonation of serpentinites under forearc conditions. <i>Earth and Planetary Science Letters</i> , 2018, 496, 178-188.	1.8	41
50	Hydrogen diffusion in Ti-doped forsterite and the preservation of metastable point defects. <i>American Mineralogist</i> , 2018, . .	0.9	1
51	Chlorine and fluorine partitioning between apatite and sediment melt at 2.5 GPa, 800 °C: A new experimentally derived thermodynamic model. <i>American Mineralogist</i> , 2017, 102, 580-594.	0.9	57
52	Crystal structure and phase transition in noelbensonite: a multi-methodological study. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 485-496.	0.3	2
53	Primary crustal melt compositions: Insights into the controls, mechanisms and timing of generation from kinetics experiments and melt inclusions. <i>Lithos</i> , 2017, 286-287, 454-479.	0.6	29
54	The effect of fluorine and chlorine on trace element partitioning between apatite and sediment melt at subduction zone conditions. <i>Chemical Geology</i> , 2017, 473, 55-73.	1.4	32

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55	Reconstruction of multiple P-T-t stages from retrogressed mafic rocks: Subduction versus collision in the Southern Brasilia orogen (SE Brazil). <i>Lithos</i> , 2017, 294-295, 283-303.	0.6	56
56	Generation and Modification of the Mantle Wedge and Lithosphere beneath the West Bismarck Island Arc: Melting, Metasomatism and Thermal History of Peridotite Xenoliths from Ritter Island. <i>Journal of Petrology</i> , 2017, 58, 1475-1510.	1.1	24
57	Linking tephrochronology and soil characteristics in the Sila and Nebrodi mountains, Italy. <i>Catena</i> , 2017, 158, 266-285.	2.2	22
58	A Subsolidus Olivine Water Solubility Equation for the Earth's Upper Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9862-9880.	1.4	63
59	The responses of the four main substitution mechanisms of H in olivine to H <sub>2</sub> O activity at 1050°C and 3 GPa. <i>Progress in Earth and Planetary Science</i> , 2017, 4, .	1.1	33
60	Geochronology of accessory allanite and monazite in the Barrovian metamorphic sequence of the Central Alps, Switzerland. <i>Lithos</i> , 2017, 286-287, 502-518.	0.6	30
61	Beryllium diffusion in olivine: A new tool to investigate timescales of magmatic processes. <i>Earth and Planetary Science Letters</i> , 2016, 450, 71-82.	1.8	17
62	Relic Oceanic Crust at Sub-Arc Depth: an Example from UHP Eclogites Enclosed in Serpentinites from the Southwestern Tianshan Mountains, China. <i>Acta Geologica Sinica</i> , 2016, 90, 238-238.	0.8	0
63	Diffusion of Ti and some Divalent Cations in Olivine as a Function of Temperature, Oxygen Fugacity, Chemical Potentials and Crystal Orientation. <i>Journal of Petrology</i> , 2016, 57, 1983-2010.	1.1	32
64	In-situ U-Pb dating and Nd isotopic analysis of perovskite from a rodingite blackwall associated with UHP serpentinite from southwestern Tianshan, China. <i>Chemical Geology</i> , 2016, 431, 67-82.	1.4	22
65	Contrasting P-T paths within the Barchi-Kol UHP terrain (Kokchetav Complex): Implications for subduction and exhumation of continental crust. <i>American Mineralogist</i> , 2016, 101, 788-807.	0.9	36
66	Experimental subsolidus phase relations in the system CaCO <sub>3</sub> -CaMg(CO <sub>3</sub> ) <sub>2</sub> up to 6.5 GPa and implications for subducted marbles. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	20
67	Hydrogen diffusion in Ti-doped forsterite and the preservation of metastable point defects. <i>American Mineralogist</i> , 2016, 101, 1571-1583.	0.9	31
68	Dating prograde fluid pulses during subduction by in situ U-Pb and oxygen isotope analysis. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	75
69	Experimentally determined stability of alkali amphibole in metasomatised dunite at sub-arc pressures. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	78
70	Constraints on the thermal evolution of the Adriatic margin during Jurassic continental break-up: U-Pb dating of rutile from the Ivrea-Verbania Zone, Italy. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	50
71	Frozen melt-rock reaction in a peridotite xenolith from sub-arc mantle recorded by diffusion of trace elements and water in olivine. <i>Earth and Planetary Science Letters</i> , 2015, 422, 169-181.	1.8	44
72	Sensitive high resolution ion microprobe stable isotope (SHRIMP-SI) analysis of water in silicate glasses and nominally anhydrous reference minerals. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1706-1722.	1.6	17

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73	The Interplay between Melting, Refertilization and Carbonatite Metasomatism in Off-Cratonic Lithospheric Mantle under Zealandia: an Integrated Major, Trace and Platinum Group Element Study. <i>Journal of Petrology</i> , 2015, 56, 563-604.	1.1	48
74	Variations of clinopyroxene/melt element partitioning during assimilation of olivine/peridotite by low-Mg diorite magma. <i>Chemical Geology</i> , 2015, 419, 36-54.	1.4	10
75	Apatite as an indicator of fluid salinity: An experimental study of chlorine and fluorine partitioning in subducted sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 267-297.	1.6	71
76	Focused fluid transfer through the mantle above subduction zones. <i>Geology</i> , 2015, 43, 915-918.	2.0	63
77	UHP Metamorphism Documented in Ti-chondrodite- and Ti-clinohumite-bearing Serpentinized Ultramafic Rocks from Chinese Southwestern Tianshan. <i>Journal of Petrology</i> , 2015, 56, 1425-1458.	1.1	87
78	Identification of hydrogen defects linked to boron substitution in synthetic forsterite and natural olivine. <i>American Mineralogist</i> , 2014, 99, 2138-2141.	0.9	28
79	Subduction of Continental Crust to Mantle Depth. , 2014, , 309-340.		88
80	Geochemistry of continental subduction-zone fluids. <i>Earth, Planets and Space</i> , 2014, 66, 93.	0.9	205
81	Hafnium isotopes and Zr/Hf of rutile and zircon from lower crustal metapelites (Ivrea-Verbano Zone,) <i>Tj ETQq1 1 0.784314 rgBT / O</i> 389, 106-118.	1.8	37
82	Geochemistry of ultrahigh-pressure anatexis: fractionation of elements in the Kokchetav gneisses during melting at diamond-facies conditions. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	48
83	Ediacaran 2,500-km-long synchronous deep continental subduction in the West Gondwana Orogen. <i>Nature Communications</i> , 2014, 5, 5198.	5.8	109
84	The importance of defining chemical potentials, substitution mechanisms and solubility in trace element diffusion studies: the case of Zr and Hf in olivine. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	28
85	FTIR spectroscopy of Ti-chondrodite, Ti-clinohumite, and olivine in deeply subducted serpentinites and implications for the deep water cycle. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	25
86	Lawsonite geochemistry and stability - implication for trace element and water cycles in subduction zones. <i>Journal of Metamorphic Geology</i> , 2014, 32, 455-478.	1.6	64
87	Experimental study of trace element release during ultrahigh-pressure serpentinite dehydration. <i>Earth and Planetary Science Letters</i> , 2014, 391, 296-306.	1.8	45
88	Site-specific hydrogen diffusion rates in forsterite. <i>Earth and Planetary Science Letters</i> , 2014, 392, 100-112.	1.8	108
89	Garnet oxygen analysis by SHRIMP-SI: Matrix corrections and application to high-pressure metasomatic rocks from Alpine Corsica. <i>Chemical Geology</i> , 2014, 374-375, 25-36.	1.4	48
90	Continuous eclogite melting and variable refertilisation in upwelling heterogeneous mantle. <i>Scientific Reports</i> , 2014, 4, 6099.	1.6	61

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91	Deep Fluids in Subducted Continental Crust. <i>Elements</i> , 2013, 9, 281-287.	0.5	159
92	Fractionation of Nb and Ta by biotite and phengite: Implications for the "missing Nb paradox". <i>Geology</i> , 2013, 41, 303-306.	2.0	157
93	Polyphase inclusions in the Shuanghe UHP eclogites formed by subsolidus transformation and incipient melting during exhumation of deeply subducted crust. <i>Lithos</i> , 2013, 177, 91-109.	0.6	55
94	Tschermak's substitution in antigorite and consequences for phase relations and water liberation in high-grade serpentinites. <i>Lithos</i> , 2013, 178, 186-196.	0.6	153
95	Partial melting of lower crust at 10-15 kbar: constraints on adakite and TTG formation. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 1195-1224.	1.2	358
96	Paleozoic to Triassic ocean opening and closure preserved in Central Iran: Constraints from the geochemistry of meta-igneous rocks of the Anarak area. <i>Lithos</i> , 2013, 172-173, 267-287.	0.6	49
97	The robustness of the Zr-in-rutile and Ti-in-zircon thermometers during high-temperature metamorphism (Ivrea-Verbanò Zone, northern Italy). <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 757-779.	1.2	193
98	Petrology and Geochemistry of the Crust-Mantle Boundary in a Nascent Arc, Massif du Sud Ophiolite, New Caledonia, SW Pacific. <i>Journal of Petrology</i> , 2013, 54, 1759-1792.	1.1	81
99	An Experimental Study of Carbonated Eclogite at 3-5 GPa--Implications for Silicate and Carbonate Metasomatism in the Cratonic Mantle. <i>Journal of Petrology</i> , 2012, 53, 727-759.	1.1	131
100	The origin of Eo- and Neo-himalayan granitoids, Eastern Tibet. <i>Journal of Asian Earth Sciences</i> , 2012, 58, 143-157.	1.0	60
101	An Experimental Study of Water in Nominally Anhydrous Minerals in the Upper Mantle near the Water-saturated Solidus. <i>Journal of Petrology</i> , 2012, 53, 2067-2093.	1.1	84
102	Age and thermal history of Eo- and Neohimalayan granitoids, eastern Himalaya. <i>Journal of Asian Earth Sciences</i> , 2012, 51, 85-97.	1.0	47
103	Experimental study of monazite/melt partitioning with implications for the REE, Th and U geochemistry of crustal rocks. <i>Chemical Geology</i> , 2012, 300-301, 200-220.	1.4	230
104	Allanite behaviour during incipient melting in the southern Central Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 433-458.	1.6	48
105	Recrystallization rims in zircon (Valle d'Arbedo, Switzerland): An integrated cathodoluminescence, LA-ICP-MS, SHRIMP, and TEM study. <i>American Mineralogist</i> , 2012, 97, 369-377.	0.9	39
106	In situ measurement of hafnium isotopes in rutile by LA-MC-ICPMS: Protocol and applications. <i>Chemical Geology</i> , 2011, 281, 72-82.	1.4	32
107	Ti site occupancy in zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 905-921.	1.6	72
108	Anorthosite formation by plagioclase flotation in ferrobasalt and implications for the lunar crust. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4998-5018.	1.6	65



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109	Yo-yo subduction recorded by accessory minerals in the Italian Western Alps. <i>Nature Geoscience</i> , 2011, 4, 338-342.	5.4	178
110	Late Eocene lawsonite-eclogite facies metasomatism of a granulite sliver associated to ophiolites in Alpine Corsica. <i>Lithos</i> , 2011, 125, 620-640.	0.6	66
111	Fine-scale phosphorus distribution in coral skeletons: combining X-ray mapping by electronprobe microanalysis and LA-ICP-MS. <i>Coral Reefs</i> , 2011, 30, 813.	0.9	8
112	The nature and origin of the Barrovian metamorphism, Scotland: diffusion length scales in garnet and inferred thermal time scales. <i>Journal of the Geological Society</i> , 2011, 168, 115-132.	0.9	49
113	An experimental investigation of antigorite dehydration in natural silica-enriched serpentinite. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 25-42.	1.2	110
114	Fingerprinting a multistage metamorphic fluidâ€“rock history: Evidence from grain scale Sr, O and C isotopic and trace element variations in high-grade marbles from East Antarctica. <i>Lithos</i> , 2010, 114, 217-228.	0.6	12
115	Amphibole and phlogopite in â€œhybridâ€“metasomatic bands monitor trace element transfer at the interface between felsic and ultramafic rocks (Eastern Alps, Italy). <i>Lithos</i> , 2010, 117, 135-148.	0.6	28
116	Constraints on the Proterozoic evolution of the Aravalliâ€“Delhi Orogenic belt (NW India) from monazite geochronology and mineral trace element geochemistry. <i>Lithos</i> , 2010, 120, 511-528.	0.6	129
117	Mechanisms of Crustal Anatexis: a Geochemical Study of Partially Melted Metapelitic Enclaves and Host Dacite, SE Spain. <i>Journal of Petrology</i> , 2010, 51, 785-821.	1.1	136
118	Comparative diffusion coefficients of major and trace elements in olivine at $\sim 4950$ $\text{\AA}^\circ\text{C}$ from a xenocryst included in dioritic magma. <i>Geology</i> , 2010, 38, 331-334.	2.0	69
119	Site-specific infrared O-H absorption coefficients for water substitution into olivine. <i>American Mineralogist</i> , 2010, 95, 292-299.	0.9	100
120	Formation of High-Mg Diorites through Assimilation of Peridotite by Monzodiorite Magma at Crustal Depths. <i>Journal of Petrology</i> , 2010, 51, 1381-1416.	1.1	125
121	Fluid/mineral interaction in UHP garnet peridotite. <i>Lithos</i> , 2009, 107, 38-52.	0.6	87
122	Protracted fluid-induced melting during Barrovian metamorphism in the Central Alps. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 703-722.	1.2	176
123	Tracing the evolution of calc-alkaline magmas: In-situ Smâ€“Nd isotope studies of accessory minerals in the Bergell Igneous Complex, Italy. <i>Chemical Geology</i> , 2009, 260, 73-86.	1.4	56
124	Accessory phase control on the trace element signature of sediment melts in subduction zones. <i>Chemical Geology</i> , 2009, 265, 512-526.	1.4	364
125	Diffusion of $^{40}\text{Ar}$ in muscovite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1039-1051.	1.6	549
126	Mineral-scale Trace Element and U-Th-Pb Age Constraints on Metamorphism and Melting during the Petermann Orogeny (Central Australia). <i>Journal of Petrology</i> , 2009, 50, 251-287.	1.1	41



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127	Dating microstructures by the $^{40}\text{Ar}/^{39}\text{Ar}$ step-heating technique: Deformation–pressure–temperature–time history of the Penninic Units of the Western Alps. <i>Lithos</i> , 2009, 113, 801-819.	0.6	54
128	The importance of talc and chlorite – hybrid rocks for volatile recycling through subduction zones; evidence from the high-pressure subduction mélange of New Caledonia. <i>Contributions To Mineralogy and Petrology</i> , 2008, 155, 181-198.	1.2	148
129	Deformation mode switches in the Penninic units of the Urtier Valley (Western Alps): Evidence for a dynamic orogen. <i>Journal of Structural Geology</i> , 2008, 30, 194-219.	1.0	39
130	Quantitative absorbance spectroscopy with unpolarized light: Part II. Experimental evaluation and development of a protocol for quantitative analysis of mineral IR spectra. <i>American Mineralogist</i> , 2008, 93, 765-778.	0.9	150
131	Submarine back-arc lava with arc signature: Fonualei Spreading Center, northeast Lau Basin, Tonga. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	70
132	Sediment Melts at Sub-arc Depths: an Experimental Study. <i>Journal of Petrology</i> , 2008, 49, 717-740.	1.1	419
133	Pre-metamorphic carbon, oxygen and strontium isotope signature of high-grade marbles from the Lützow-Holm Complex, East Antarctica: apparent age constraints of carbonate deposition. <i>Geological Society Special Publication</i> , 2008, 308, 147-164.	0.8	7
134	Quantitative absorbance spectroscopy with unpolarized light: Part I. Physical and mathematical development. <i>American Mineralogist</i> , 2008, 93, 751-764.	0.9	85
135	Mineral solubility and hydrous melting relations in the deep earth: Analysis of some binary $\text{H}_2\text{O}$ system pressure-temperature-composition topologies. <i>Numerische Mathematik</i> , 2007, 307, 833-855.	0.7	24
136	On the evolution of orogens: Pressure cycles and deformation mode switches. <i>Earth and Planetary Science Letters</i> , 2007, 256, 372-388.	1.8	78
137	The infrared signature of water associated with trivalent cations in olivine. <i>Earth and Planetary Science Letters</i> , 2007, 261, 134-142.	1.8	118
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