Experimentally based water budgets for dehydrating sl magma generation

Earth and Planetary Science Letters

163, 361-379

DOI: 10.1016/s0012-821x(98)00142-3

Citation Report

#	Article	IF	Citations
1	Experimental constraints on phase relations in subducted continental crust. Contributions To Mineralogy and Petrology, 1997, 143, 219-235.	1.2	5
2	Garnet Peridotites in Eurasian High-Pressure and Ultrahigh-Pressure Terranes: A Diversity of Origins and Thermal Histories. International Geology Review, 1999, 41, 799-815.	1.1	79
3	Experimental Aspects of UHP Metamorphism: Granitic Systems. International Geology Review, 1999, 41, 701-710.	1.1	14
4	Control of the location of the volcanic front in island arcs by aqueous fluid connectivity in the mantle wedge. Nature, 1999, 401, 259-262.	13.7	144
5	P-V-T equation of state of lawsonite. Physics and Chemistry of Minerals, 1999, 26, 406-414.	0.3	19
6	Petrogenesis of Boninites from the Betts Cove Ophiolite, Newfoundland, Canada: Identification of Subducted Source Components. Journal of Petrology, 1999, 40, 1853-1889.	1.1	235
7	H₂O and Ultrahigh-Pressure Subsolidus Phase Relations for Mafic and Ultramafic Systems. International Geology Review, 1999, 41, 886-894.	1.1	11
8	Crustal thickening processes in the Central Andes and the different natures of the Moho-discontinuity. Journal of South American Earth Sciences, 1999, 12, 201-220.	0.6	87
9	Seismological evidence for a low-velocity layer within the subducted slab of southern Taiwan. Earth and Planetary Science Letters, 1999, 174, 231-240.	1.8	26
10	Hydrous minerals in the mantle wedge and the maximum depth of subduction thrust earthquakes. Geophysical Research Letters, 1999, 26, 2517-2520.	1.5	250
11	Migration of Aqueous Fluid in the Mantle Wedge and Formation of the Volcanic Front in Subduction Zones.. Journal of Geography (Chigaku Zasshi), 2000, 109, 590-599.	0.1	0
12	Supersilicic clinopyroxene and silica exsolution in UHPM eclogite and pelitic gneiss from the Kokchetav massif, Kazakhstan. American Mineralogist, 2000, 85, 1368-1374.	0.9	138
13	High-Si phengite, mineral chemistry and P-T evolution of ultra-high-pressure eclogites and calc-silicates from the Dabie Shan, eastern China. Geological Journal, 2000, 35, 185-207.	0.6	34
14	Petrology of the diamond-grade eclogite in the Kokchetav Massif, northern Kazakhstan. Island Arc, 2000, 9, 379-399.	0.5	81
15	Possible presence of high-pressure ice in cold subducting slabs. Nature, 2000, 408, 844-847.	13.7	90
16	Analysis of an evolutionary speciesâ€“area relationship. Nature, 2000, 408, 847-850.	13.7	510
17	Single crystal elasticity of lawsonite. American Mineralogist, 2000, 85, 1834-1837.	0.9	38
18	H2O Abundance in Depleted to Moderately Enriched Mid-ocean Ridge Magmas; Part I: Incompatible Behaviour, Implications for Mantle Storage, and Origin of Regional Variations. Journal of Petrology, 2000, 41, 1329-1364.	1.1	167

#	Article	IF	Citations
19	Transport and Storage of Potassium in the Earthâ€™s Upper Mantle and Transition Zone: an Experimental Study to 23 GPa in Simplified and Natural Bulk Compositions. Journal of Petrology, 2000, 41, 583-603.	1.1	68
20	Tracking arcâ€“continent collision subduction zone processes from high-pressure rocks in the southern Urals. Journal of the Geological Society, 2000, 157, 901-904.	0.9	18
21	Role of â€˜hiddenâ€™ deeply subducted slabs in mantle depletion. Chemical Geology, 2000, 166, 241-254.	1.4	128
22	Hydrated subducted crust at 100â€“250 km depth. Earth and Planetary Science Letters, 2000, 176, 323-330.	1.8	154
23	Carbonate stability and fluid composition in subducted oceanic crust: an experimental study on H2Oâ€“CO2-bearing basalts. Earth and Planetary Science Letters, 2000, 176, 295-310.	1.8	194
24	226Raâ€“230Th evidence for multiple dehydration events, rapid melt ascent and the time scales of differentiation beneath the Tongaâ€“Kermadec island arc. Earth and Planetary Science Letters, 2000, 179, 581-593.	1.8	122
25	Deep subduction of H2O and deflection of volcanic chain towards backarc near triple junction due to lower temperature. Earth and Planetary Science Letters, 2000, 181, 41-46.	1.8	303
26	Thermal effects of ridge subduction and its implications for the origin of granitic batholith and paired metamorphic belts. Earth and Planetary Science Letters, 2000, 181, 131-144.	1.8	126
27	Experimental determination of elastic properties of talc to 800Â°C, 0.5 GPa; calculations of the effect on hydrated peridotite, and implications for cold subduction zones. Earth and Planetary Science Letters, 2000, 183, 487-498.	1.8	34
28	Numerical modelling of arcâ€“continent collision: application to Taiwan. Tectonophysics, 2000, 325, 23-42.	0.9	29
29	Fluid-Rock Interactions during High-Pressure and Ultrahigh-Pressure Metamorphism. International Geology Review, 2000, 42, 312-327.	1.1	44
30	Can slab melting be caused by flat subduction?. Geology, 2000, 28, 535.	2.0	482
31	Time-scales of magma formation, ascent and storage beneath subduction-zone volcanoes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1443-1464.	1.6	62
32	Distinguishing melt and fluid subduction components in Umnak Volcanics, Aleutian Arc. Geochemistry, Geophysics, Geosystems, 2000, 1, n/a-n/a.	1.0	332
33	Melting and seismic structure beneath the Northeast Japan Arc. Geophysical Research Letters, 2000, 27, 425-428.	1.5	115
34	Strain partitioning and interplate friction in oblique subduction zones: Constraints provided by experimental modeling. Journal of Geophysical Research, 2000, 105, 5567-5581.	3.3	103
35	Mesozoic-Cenozoic denudation history of the Patagonian Andes (southern Chile) and its correlation to different subduction processes. Tectonics, 2001, 20, 693-711.	1.3	117
36	Attenuation tomography in the western central Andes: A detailed insight into the structure of a magmatic arc. Journal of Geophysical Research, 2001, 106, 11151-11167.	3.3	115

#	Article	IF	Citations
37	Variations in slab dip along the subducting Nazca Plate, as related to stress patterns and moment release of intermediate-depth seismicity and to surface volcanism. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	1.0	25
38	Stability field of new hydrous phase, Î´-AlOOH, with implications for water transport into the deep mantle. Geophysical Research Letters, 2001, 28, 3991-3993.	1.5	91
39	Multi-element geochemical modelling of crustâ€“mantle interactions during late-Archaean crustal growth: the Closepet granite (South India). Precambrian Research, 2001, 112, 87-105.	1.2	199
40	Neoproterozoic (Ã¢Âˆ¼800 Ma) orogeny in the Tuva-Mongolia Massif (Siberia): island arcÃ¢Â€Â“continent collision at the northeast Rodinia margin. Precambrian Research, 2001, 110, 109-126.	1.2	145
41	Oxygen isotope composition of quartz-vein in ultrahigh-pressure eclogite from Dabieshan and implications for transport of high-pressure metamorphic fluid. Physics and Chemistry of the Earth, 2001, 26, 695-704.	0.6	44
42	The geological water cycle and the evolution of marine Î´ 18 O values. Geochimica Et Cosmochimica Acta, 2001, 65, 2469-2485.	1.6	189
43	Boron isotope and trace element systematics of the three volcanic zones in the Kamchatka arc. Geochimica Et Cosmochimica Acta, 2001, 65, 4523-4537.	1.6	139
44	The 10Ã… phase: a high-pressure expandable sheet silicate stable during subduction of hydrated lithosphere. Earth and Planetary Science Letters, 2001, 186, 125-141.	1.8	104
45	Metamorphic devolatilization of subducted oceanic metabasalts: implications for seismicity, arc magmatism and volatile recycling. Earth and Planetary Science Letters, 2001, 189, 19-29.	1.8	390
46	Stabilities and equations of state of dense hydrous magnesium silicates. Physics of the Earth and Planetary Interiors, 2001, 127, 181-196.	0.7	88
47	Partial melting in the mantle wedge â€" the role of H2O in the genesis of mantle-derived â€˜arc-relatedâ€™ magmas. Physics of the Earth and Planetary Interiors, 2001, 127, 215-232.	0.7	244
48	Impact of arc-continent collision on the conditions of burial and exhumation of UHP/LT rocks: experimental and numerical modelling. Tectonophysics, 2001, 342, 137-161.	0.9	46
49	Local origin of high pressure vein material in eclogite facies rocks of the Zermatt-Saas-Zone, Switzerland. Numerische Mathematik, 2001, 301, 627-656.	0.7	103
50	Sources and Fluids in the Mantle Wedge below Kamchatka, Evidence from Across-arc Geochemical Variation. Journal of Petrology, 2001, 42, 1567-1593.	1.1	212
51	Metamorphic devolatilization of subducted marine sediments and the transport of volatiles into the Earth's mantle. Nature, 2001, 411, 293-296.	13.7	405
52	Crystal structure of phase X, a high pressure alkali-rich hydrous silicate and its anhydrous equivalent. American Mineralogist, 2001, 86, 1483-1488.	0.9	23
53	Partitioning of Sr between coexisting minerals of the hollandite- and piemontite-groups in a quartz-rich schist from the Sanbagawa metamorphic belt, Japan. American Mineralogist, 2001, 86, 205-214.	0.9	14
54	Oâ€“H isotope ratios of high pressure ultramafic rocks: implications for fluid sources and mobility in the subducted hydrous mantle. Contributions To Mineralogy and Petrology, 2001, 141, 145-159.	1.2	68

#	Article	IF	Citations
55	Hydroxyl in continental deep subduction zone: Evidence from UHP eclogites of the Dabie Mountains. Science Bulletin, 2001, 46, 592-596.	1.7	48
56	Hydrogen in the Deep Earth. Annual Review of Earth and Planetary Sciences, 2001, 29, 365-418.	4.6	236
57	Evidence for mantle metasomatism by hydrous silicic melts derived from subducted oceanic crust. Nature, 2001, 410, 197-200.	13.7	446
58	Adjustment to climate change is constrained by arrival date in a long-distance migrant bird. Nature, 2001, 411, 296-298.	13.7	841
59	Deep fluids in subduction zones. Lithos, 2001, 55, 213-227.	0.6	382
60	Tephrochronology of the Kamchatkaâ€“Kurile and Aleutian arcs: evidence for volcanic episodicity. Journal of Volcanology and Geothermal Research, 2001, 106, 67-84.	0.8	48
61	Boron isotopic variations in lavas of the Aeolian volcanic arc, South Italy. Journal of Volcanology and Geothermal Research, 2001, 110, 155-170.	0.8	47
62	Antigorite: Pressure and temperature dependence of polysomatism and water content. European Journal of Mineralogy, 2001, 13, 485-495.	0.4	90
63	Oceanic Slab Melting and Mantle Metasomatism. Science Progress, 2001, 84, 335-354.	1.0	14
64	Are the regional variations in Central American arc lavas due to differing basaltic versus peridotitic slab sources of fluids?. Geology, 2002, 30, 1035.	2.0	174
65	Fluid processes during the exhumation of high-P metamorphic belts. Mineralogical Magazine, 2002, 66, 93-119.	0.6	45
66	Geochemical Diversity of Late Miocene Volcanism in Southern Baja California, Mexico: Implication of Mantle and Crustal Sources during the Opening of an Asthenospheric Window. Journal of Geology, 2002, 110, 627-648.	0.7	146
67	Equilibrium and Disequilibrium Trace Element Partitioning in Hydrous Eclogites (Trescolmen, Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	99
68	Ultra high pressure (UHP) terrains: Lessons from thermal modeling. Numerische Mathematik, 2002, 302, 410-441.	0.7	40
69	On the timeâ€“scales of magmatism at islandâ€“arc volcanoes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 2853-2871.	1.6	28
70	Water-deficient Calc-alkaline Plutonic Rocks of Northeastern Superior Province, Canada: Significance of Charnockitic Magmatism. Journal of Petrology, 2002, 43, 1617-1650.	1.1	55
71	Seismic body wave constraint on mechanisms of intermediate-depth earthquakes. Journal of Geophysical Research, 2002, 107, ESE 1-1.	3.3	27
72	Subduction zones. Reviews of Geophysics, 2002, 40, 3-1.	9.0	1,064

#	Article	IF	Citations
73	Foreland basin magmatism in the Western Moroccan Meseta and geodynamic inferences. Tectonics, 2002, 21, 7-1-7-23.	1.3	40
74	On the decompression melting structure at volcanic arcs and back-arc spreading centers. Geophysical Research Letters, 2002, 29, 17-1-17-4.	1.5	109
75	Noble Gases and Volatile Recycling at Subduction Zones. Reviews in Mineralogy and Geochemistry, 2002, 47, 319-370.	2.2	389
76	Serpentinites from Central Cuba: petrology and HRTEM study. European Journal of Mineralogy, 2002, 14, 905-914.	0.4	62
77	Experimental constraints on major and trace element partitioning during partial melting of eclogite. Geochimica Et Cosmochimica Acta, 2002, 66, 3109-3123.	1.6	391
78	Trace element abundances in rutiles from eclogites and associated garnet mica schists. Chemical Geology, 2002, 184, 97-122.	1.4	320
79	A slab breakoff model for the Neogene thermal evolution of South Karakorum and South Tibet. Earth and Planetary Science Letters, 2002, 195, 45-58.	1.8	225
80	Origin of 226Raâ€“230Th disequilibria in arc lavas from southern Chile and implications for magma transfer time. Earth and Planetary Science Letters, 2002, 196, 189-196.	1.8	75
81	Hot fingers in the mantle wedge: new insights into magma genesis in subduction zones. Earth and Planetary Science Letters, 2002, 197, 105-116.	1.8	282
82	Metamorphic controls on seismic velocity of subducted oceanic crust at 100â€“250 km depth. Earth and Planetary Science Letters, 2002, 204, 61-74.	1.8	133
83	High-resolution models of subduction zones: Implications for mineral dehydration reactions and the transport of water into the deep mantle. Geochemistry, Geophysics, Geosystems, 2002, 3, 1 of 20-20 of 20.	1.0	371
84	Equation of state of the hydrous phase Î´-AlOOH at room temperature up to 22.5 GPa. Geophysical Research Letters, 2002, 29, 23-1.	1.5	37
85	Exhumation of high-pressure metamorphic rocks in a subduction channel: A numerical simulation. Tectonics, 2002, 21, 6-1-6-19.	1.3	689
86	9. Noble Gases and Volatile Recycling at Subduction Zones. , 2002, , 319-370.		85
87	The eclogites of the Marunâ€“Keu complex, Polar Urals (Russia): fluid control on reaction kinetics and metasomatism during high P metamorphism. Lithos, 2002, 61, 55-78.	0.6	31
88	Rheological properties of deep subducted oceanic lithosphere and their geodynamic implications. Science in China Series D: Earth Sciences, 2002, 45, 969-977.	0.9	2
89	Experimental constraints on phase relations in subducted continental crust. Contributions To Mineralogy and Petrology, 2002, 143, 219-235.	1.2	193
90	Fluid-mobile trace element constraints on the role of slab melting and implications for Archaean crustal growth models. Contributions To Mineralogy and Petrology, 2002, 144, 38-56.	1.2	177

#	Article	IF	Citations
91	The role of an H2O-rich fluid component in the generation of primitive basaltic andesites and andesites from the Mt. Shasta region, N California. Contributions To Mineralogy and Petrology, 2002, 142, 375-396.	1.2	431
92	Recycled dehydrated lithosphere observed in plume-influenced mid-ocean-ridge basalt. Nature, 2002, 420, 385-389.	13.7	436
93	The slippery slope. Nature, 2002, 417, 497-498.	13.7	2
94	Crowning glories. Nature, 2002, 417, 498-499.	13.7	3
95	Petrology of Subducted Slabs. Annual Review of Earth and Planetary Sciences, 2002, 30, 207-235.	4.6	511
96	Stability of various hydrous phases in CMAS pyrolite-H 2 O system up to 25 GPa. Physics and Chemistry of Minerals, 2003, 30, 147-156.	0.3	101
97	Chlorite stability in mantle peridotite: the reaction clinochlore+enstatite=forsterite+pyrope+H2O. Contributions To Mineralogy and Petrology, 2003, 144, 449-456.	1.2	75
98	Stability of phengite and biotite in eclogites and characteristics of biotite- or orthopyroxene-bearing eclogites. Contributions To Mineralogy and Petrology, 2003, 145, 550-567.	1.2	26
99	The water and trace element contents of melt inclusions across an active subduction zone. Contributions To Mineralogy and Petrology, 2003, 146, 62-77.	1.2	103
100	Intra-oceanic production of continental crust in a Th-depleted ca. 3.0ï¿½Ga arc complex, western Superior Province, Canada. Contributions To Mineralogy and Petrology, 2003, 146, 78-99.	1.2	14
101	Partial eclogitisation of gabbroic rocks in a late Precambrian subduction zone (Zambia): prograde metamorphism triggered by fluid infiltration. Contributions To Mineralogy and Petrology, 2003, 146, 174-191.	1.2	154
102	Redistribution of trace elements during prograde metamorphism from lawsonite blueschist to eclogite facies; implications for deep subduction-zone processes. Contributions To Mineralogy and Petrology, 2003, 146, 205-222.	1.2	322
103	Spatial and temporal evolution of basalts and magnesian andesites (â€œbajaitesâ€) from Baja California, Mexico: the role of slab melts. Lithos, 2003, 66, 77-105.	0.6	173
104	Anomalous unradiogenic 87Sr//86Sr ratios in ultrahigh-pressure crustal carbonates - evidence for fluid infiltration during deep subduction?. Terra Nova, 2003, 15, 330-336.	0.9	8
105	Evolution of the Archaean crust by delamination and shallow subduction. Nature, 2003, 421, 249-252.	13.7	200
106	Discovery of abundant hydrothermal venting on the ultraslow-spreading Gakkel ridge in the Arctic Ocean. Nature, 2003, 421, 252-256.	13.7	206
107	Archaean ultra-depleted komatiites formed by hydrous melting of cratonic mantle. Nature, 2003, 423, 858-861.	13.7	83
108	Bending-related faulting and mantle serpentinization at the Middle America trench. Nature, 2003, 425, 367-373.	13.7	828

#	Article	IF	Citations
109	Fate of the subducted Farallon plate inferred from eclogite xenoliths in the Colorado Plateau. Geology, 2003, 31, 589.	2.0	114
110	The subduction factory: its role in the evolution of the Earthâ€™s crust and mantle. Geological Society Special Publication, 2003, 219, 55-80.	0.8	113
111	Generation of Mobile Components during Subduction of Oceanic Crust. , 2003, , 567-591.		111
112	Thermal structure and metamorphic evolution of subducting slabs. Geophysical Monograph Series, 2003, , 7-22.	0.1	92
113	Thermal models of flat subduction and the rupture zone of great subduction earthquakes. Journal of Geophysical Research, 2003, 108, ESE 2-1-ESE 2-16.	3.3	69
114	Decoupling of fluids and fluid-mobile elements during shallow subduction: Evidence from halogen-rich andesite melt inclusions from the Izu arc volcanic front. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	52
115	Subduction fluxes of water, carbon dioxide, chlorine, and potassium. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	1.0	304
116	A new parameterization of hydrous mantle melting. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	1.0	734
117	In situ X-ray observation of decomposition of superhydrous phase B at high pressure and temperature. Geophysical Research Letters, 2003, 30, .	1.5	43
118	Low-frequency continuous tremor around the Moho discontinuity away from volcanoes in the southwest Japan. Geophysical Research Letters, 2003, 30, 20-1-20-4.	1.5	206
119	Dehydration and partial melting in subduction zones: Constraints from U-series disequilibria. Journal of Geophysical Research, 2003, 108, .	3.3	48
120	Melting processes and fluid and sediment transport rates along the Alaska-Aleutian arc from an integrated U-Th-Ra-Be isotope study. Journal of Geophysical Research, 2003, 108, .	3.3	108
121	Double seismic zone and dehydration embrittlement of the subducting slab. Journal of Geophysical Research, 2003, 108, .	3.3	251
122	Connectivity of aqueous fluid in eclogite and its implications for fluid migration in the Earth's interior. Journal of Geophysical Research, 2003, 108, .	3.3	50
123	Transport of water into the lower mantle: Role of stishovite. Journal of Geophysical Research, 2003, 108, .	3.3	57
124	Mantle metasomatism and rapid ascent of slab components beneath island arcs: Evidence from238U-230Th-226Ra disequilibria of Miyakejima volcano, Izu arc, Japan. Journal of Geophysical Research, 2003, 108, .	3.3	60
125	Very shallow melting of oceanic crust during spreading ridge subduction: Origin of near-trench Quaternary volcanism at the Chile Triple Junction. Journal of Geophysical Research, 2003, 108, .	3.3	51
126	Production and loss of high-density batholithic root, southern Sierra Nevada, California. Tectonics, 2003, 22, n/a-n/a.	1.3	215

#	Article	IF	Citations
127	Temporal control of subduction magmatism in the eastern Trans-Mexican Volcanic Belt: Mantle sources, slab contributions, and crustal contamination. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	95
128	Water solubility in majoritic garnet in subducting oceanic crust. Geophysical Research Letters, 2003, 30, .	1.5	45
129	Bound water content of the lower oceanic crust estimated from modal analyses and seismic velocities of oceanic diabase and gabbro. Geophysical Research Letters, 2003, 30, .	1.5	36
130	On the thermo-kinetic consequences of slab melting. Geophysical Research Letters, 2003, 30, .	1.5	12
131	Comparison of dynamic flow models for the Central Aleutian and Tonga-Kermadec subduction zones. Geochemistry, Geophysics, Geosystems, 2003, 4, .	1.0	39
132	U-TH-PA-RA study of the Kamchatka arc: new constraints on the genesis of arc lavas. Geochimica Et Cosmochimica Acta, 2003, 67, 2857-2877.	1.6	70
133	The systematics of chlorine, fluorine, and water in Izu arc front volcanic rocks: Implications for volatile recycling in subduction zones. Geochimica Et Cosmochimica Acta, 2003, 67, 4179-4203.	1.6	224
134	Magmatic response to early aseismic ridge subduction: the Ecuadorian margin case (South America). Earth and Planetary Science Letters, 2003, 205, 123-138.	1.8	144
135	Extremely light Li in orogenic eclogites: The role of isotope fractionation during dehydration in subducted oceanic crust. Earth and Planetary Science Letters, 2003, 208, 279-290.	1.8	232
136	Water solubility in Mg-perovskites and water storage capacity in the lower mantle. Earth and Planetary Science Letters, 2003, 211, 189-203.	1.8	136
137	Serpentinization of the forearc mantle. Earth and Planetary Science Letters, 2003, 212, 417-432.	1.8	722
138	Rayleighâ€“Taylor instabilities from hydration and melting propel â€˜cold plumesâ€™ at subduction zones. Earth and Planetary Science Letters, 2003, 212, 47-62.	1.8	494
139	Phase equilibria in subducting basaltic crust: implications for H2O release from the slab. Earth and Planetary Science Letters, 2003, 214, 187-201.	1.8	104
140	Geochronology and eruptive history of the Katmai volcanic cluster, Alaska Peninsula. Earth and Planetary Science Letters, 2003, 214, 93-114.	1.8	41
141	Thermal modelling of the Laramide orogeny: testing the flat-slab subduction hypothesis. Earth and Planetary Science Letters, 2003, 214, 619-632.	1.8	116
142	Complex patterns of fluid and melt transport in the central Andean subduction zone revealed by attenuation tomography. Earth and Planetary Science Letters, 2003, 215, 105-119.	1.8	162
143	The structure and dynamics of the mantle wedge. Earth and Planetary Science Letters, 2003, 215, 323-338.	1.8	147
144	Paleocene adakite Auâ€“Fe bearing rocks, Mezcala, Mexico: evidence from geochemical characteristics. Journal of Geochemical Exploration, 2003, 80, 25-40.	1.5	35

#	Article	IF	Citations
145	Single-crystal elastic properties of lawsonite and their variation with temperature. Physics of the Earth and Planetary Interiors, 2003, 136, 107-118.	0.7	29
146	Volcanic fronts form as a consequence of serpentinite dehydration in the forearc mantle wedge. Geology, 2003, 31, 525.	2.0	212
147	Insights into Magma Genesis at Convergent Margins from U-series Isotopes. Reviews in Mineralogy and Geochemistry, 2003, 52, 255-315.	2.2	92
148	Rates and Processes of Potassic Magma Evolution beneath Sangeang Api Volcano, East Sunda Arc, Indonesia. Journal of Petrology, 2003, 44, 491-515.	1.1	89
149	Mylonitization and decomposition of Garnet: Evidence for rapid deformation and entrainment of Mantle Garnet-Harzburgite by Kimberlite Magma, K1 Pipe, Venetia Mine, South Africa. South African Journal of Geology, 2003, 106, 231-242.	0.6	11
150	Continental Crust Subduction and Ultrahigh Pressure Metamorphism. , 2003, , 293-319.		75
151	Mantle Volatilesâ€"Distribution and Consequences. , 2003, , 319-361.		26
152	Along-strike variation in the Aleutian Island Arc: Genesis of high Mg# andesite and implications for continental crust. Geophysical Monograph Series, 2003, , 223-276.	0.1	206
153	Contrasting bonding behavior of two hydroxyl-bearing metamorphic minerals under pressure: Clinozoisite and topaz. American Mineralogist, 2003, 88, 1460-1470.	0.9	33
154	Hydroxyl in clinopyroxene from the deep subducted crust: Evidence for H₂O transport into the mantle. American Mineralogist, 2003, 88, 229-234.	0.9	129
155	Experimental evidence on phlogopitic mantle metasomatism induced by phengite dehydration. European Journal of Mineralogy, 2003, 15, 641-647.	0.4	20
156	Experimentally-determined trace element characteristics of aqueous fluid from partially dehydrated mafic oceanic crust at 3.0 GPa, 650-700C. European Journal of Mineralogy, 2003, 15, 815-830.	0.4	122
157	Spontaneous strain variations through the low temperature phase transitions of deuterated lawsonite. American Mineralogist, 2003, 88, 534-546.	0.9	51
158	Some constraints on arc magma genesis. Geophysical Monograph Series, 2003, , 277-292.	0.1	10
159	Petrological and volcanological constraints on volcanic sulfur emissions to the atmosphere. Geophysical Monograph Series, 2003, , 11-40.	0.1	37
161	Seismological constraints on structure and flow patterns within the mantle wedge. Geophysical Monograph Series, 2003, , 59-81.	0.1	30
162	Thermal structure due to solid-state flow in the mantle wedge beneath arcs. Geophysical Monograph Series, 2003, , 293-311.	0.1	152
163	Experimental constraints on melt generation in the mantle wedge. Geophysical Monograph Series, 2003, , 107-134.	0.1	41

#	Article	IF	Citations
164	7. Insights into Magma Genesis at Convergent Margins from U-series Isotopes. , 2003, , 255-316.		26
165	Subduction Zone Processes and Implications for Changing Composition of the Upper and Lower Mantle. , 2003, , 451-470.		35
166	Experimentally Determined Phase Relations in Hydrous Peridotites to 6{middle dot}5 GPa and their Consequences on the Dynamics of Subduction Zones. Journal of Petrology, 2004, 46, 555-578.	1.1	191
167	In situ X-ray observation of minerals and melts using Kawai-type multianvil apparatus combined with synchrotron radiation, and its applications to mineral physics. High Pressure Research, 2004, 24, 531-550.	0.4	1
169	Geophysical evidence for hydration of the crust and mantle of the Nazca plate during bending at the north Chile trench. Geology, 2004, 32, 549.	2.0	162
170	Quaternary calc-alkaline and alkaline volcanism in an hyper-oblique convergence setting, central Myanmar and western Yunnan. Bulletin - Societie Geologique De France, 2004, 175, 461-472.	0.9	51
171	Cold subduction of oceanic crust: Implications from a lawsonite eclogite from the Dominican Republic. European Journal of Mineralogy, 2004, 16, 909-916.	0.4	96
172	A novel approach to determine high-pressure high-temperature fluid and melt compositions using diamond-trap experiments. American Mineralogist, 2004, 89, 1078-1086.	0.9	66
173	Pressure-Temperature Path Recorded in the Yangkou Garnet Peridotite, in Su-Lu Ultrahigh-pressure Metamorphic Belt, Eastern China. Journal of Petrology, 2004, 45, 1125-1145.	1.1	32
174	Epidote Minerals in High P/T Metamorphic Terranes: Subduction Zone and High- to Ultrahigh-Pressure Metamorphism. Reviews in Mineralogy and Geochemistry, 2004, 56, 347-398.	2.2	47
175	Systematic variation in the depths of slabs beneath arc volcanoes. Geophysical Journal International, 2004, 156, 377-408.	1.0	202
176	A simple analytical approximation to the temperature structure in subduction zones. Geophysical Journal International, 2004, 159, 1138-1154.	1.0	63
177	Eclogite xenoliths from the Kuruman kimberlites, South Africa: geochemical fingerprinting of deep subduction and cumulate processesâ˜†. Lithos, 2004, 75, 173-207.	0.6	74
178	Status report on stability of K-rich phases at mantle conditions. Lithos, 2004, 77, 647-653.	0.6	61
180	An experimental investigation of hydroxyl solubility in jadeite and Na-rich clinopyroxenes. Contributions To Mineralogy and Petrology, 2004, 147, 189-200.	1.2	77
181	Rear-arc vs. arc-front volcanoes in the Katmai reach of the Alaska Peninsula: a critical appraisal of across-arc compositional variation. Contributions To Mineralogy and Petrology, 2004, 147, 243-275.	1.2	18
182	Eclogite-facies vein systems in the Marun-Keu complex (Polar Urals, Russia): textural, chemical and thermal constraints for patterns of fluid flow in the lower crust. Contributions To Mineralogy and Petrology, 2004, 147, 484-504.	1.2	24
183	Paragonite stability at 700Â°C in the presence of H2Oâ€“NaCl fluids: constraints on H2O activity and implications for high pressure metamorphism. Contributions To Mineralogy and Petrology, 2004, 147, 740-749.	1.2	28

#	Article	IF	Citations
184	Evolution of a tourmaline-bearing lawsonite eclogite from the ElekdaÄŸ area (Central Pontides, N) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Mineralogy and Petrology, 2004, 148, 409-425.	1.2	71
185	Low-T eclogite in the Dabie terrane of China: petrological and isotopic constraints on fluid activity and radiometric dating. Contributions To Mineralogy and Petrology, 2004, 148, 443-470.	1.2	237
186	Visualization of multi-scale dynamics of hydrous cold plumes at subduction zones. Visual Geosciences, 2004, 9, 59-59.	0.5	45
187	High-pressure behaviour of serpentine minerals: a Raman spectroscopic study. Physics and Chemistry of Minerals, 2004, 31, 269-277.	0.3	176
188	In situ X-ray observation of decomposition of hydrous aluminum silicate AlSiO3OH and aluminum oxide hydroxide d-AlOOH at high pressure and temperature. Journal of Physics and Chemistry of Solids, 2004, 65, 1547-1554.	1.9	85
189	Serpentines Close-Up and Intimate: An HRTEM View. International Geology Review, 2004, 46, 507-527.	1.1	42
190	Impact of atmospheric CO2and galactic cosmic radiation on Phanerozoic climate change and the marine Î´18O record. Geochemistry, Geophysics, Geosystems, 2004, 5, .	1.0	56
191	Water in the mantle: Results from electrical conductivity beneath the French Alps. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	66
192	Petrogenetic grid in the system MgO-SiO2-H2O up to 30 GPa, 1600Â°C: Applications to hydrous peridotite subducting into the Earthâ€™s deep interior. Journal of Geophysical Research, 2004, 109, .	3.3	91
193	Ultrahigh-pressure metabasaltic garnets as probes into deep subduction zone chemical cycling. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	1.0	46
194	Global UHP Metamorphism and Continental Subduction/Collision: The Himalayan Model. International Geology Review, 2004, 46, 1-27.	1.1	376
195	Thermobaric structure and metamorphic evolution of the Iratsu eclogite body in the Sanbagawa belt, central Shikoku, Japan. Lithos, 2004, 73, 95-126.	0.6	122
196	Fluid Inclusions in Epidote Minerals and Fluid Development in Epidote-Bearing Rocks. Reviews in Mineralogy and Geochemistry, 2004, 56, 197-234.	2.2	16
197	Geochemical heterogeneity and element mobility in deeply subducted oceanic crust; insights from high-pressure mafic rocks from New Caledonia. Chemical Geology, 2004, 206, 21-42.	1.4	154
198	High-pressure and high-temperature Raman spectroscopy of carbonate ions in aqueous solution. Chemical Geology, 2004, 207, 47-58.	1.4	51
199	Lithium, boron and lead isotope and trace element systematics of Quaternary basaltic volcanic rocks in northeastern Japan: mineralogical controls on slab-derived fluid composition. Chemical Geology, 2004, 212, 81-100.	1.4	330
200	Hfâ€“Nd isotope evidence for contemporaneous subduction processes in the source of late Archean arc lavas from the Superior Province, Canada. Chemical Geology, 2004, 213, 403-429.	1.4	87
201	Serpentine and the subduction zone water cycle. Earth and Planetary Science Letters, 2004, 223, 17-34.	1.8	641

#	Article	IF	Citations
202	The chemistry of subduction-zone fluids. Earth and Planetary Science Letters, 2004, 223, 1-16.	1.8	682
203	Water-soluble chlorides in massive seafloor serpentinites: a source of chloride in subduction zones. Earth and Planetary Science Letters, 2004, 226, 243-254.	1.8	143
204	Thermomechanical modelling of slab detachment. Earth and Planetary Science Letters, 2004, 226, 101-116.	1.8	257
205	Deep global cycling of carbon constrained by the solidus of anhydrous, carbonated eclogite under upper mantle conditions. Earth and Planetary Science Letters, 2004, 227, 73-85.	1.8	395
206	The dependence of Nb and Ta rutileâ€“melt partitioning on melt composition and Nb/Ta fractionation during subduction processes. Earth and Planetary Science Letters, 2004, 226, 415-432.	1.8	224
207	Phase relations of peridotites under H2O-saturated conditions and ability of subducting plates for transportation of H2O. Earth and Planetary Science Letters, 2004, 227, 57-71.	1.8	116
208	Trace element fractionation during fluid-induced eclogitization in a subducting slab: trace element and Luâ€“Hfâ€“Smâ€“Nd isotope systematics. Earth and Planetary Science Letters, 2004, 227, 441-456.	1.8	206
209	Melting and dissolution of subducting crust at high pressures: the key role of white mica. Earth and Planetary Science Letters, 2004, 228, 65-84.	1.8	380
210	Comment on â€œSteady-state 226Ra/230Th disequilibrium in mantle minerals: Implications for melt transport rates in island arcsâ€•by M.D. Feineman and D.J. DePaolo [Earth Planet. Sci. Lett. 215 (2003) 339â€“355]. Earth and Planetary Science Letters, 2004, 228, 563-567.	1.8	6
211	Southward extrusion of eclogite-bearing maficâ€“ultramafic bodies in the Sanbagawa belt, central Shikoku, Japan. Tectonophysics, 2004, 387, 151-168.	0.9	29
212	Hydrous phase stability and partial melt chemistry in H2O-saturated KLB-1 peridotite up to the uppermost lower mantle conditions. Physics of the Earth and Planetary Interiors, 2004, 143-144, 387-395.	0.7	76
213	The Eclogiteâ€“Garnetite transformation in the MORB + H2O system. Physics of the Earth and Planetary Interiors, 2004, 146, 283-296.	0.7	87
214	Dehydration and earthquakes in the subducting slab: empirical link in intermediate and deep seismic zones. Physics of the Earth and Planetary Interiors, 2004, 146, 297-311.	0.7	110
215	Water transport into the deep mantle and formation of a hydrous transition zone. Physics of the Earth and Planetary Interiors, 2004, 143-144, 255-269.	0.7	316
216	Experimental Subsolidus Studies on Epidote Minerals. Reviews in Mineralogy and Geochemistry, 2004, 56, 171-195.	2.2	52
217	Hydrogen incorporation in stishovite at high pressure and symmetric hydrogen bonding in Î´-AlOOH. Earth and Planetary Science Letters, 2004, 221, 421-431.	1.8	83
218	Low-frequency Events away from Volcanoes in the Japan Islands. Zisin (Journal of the Seismological) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	5
219	Evolution of mineral compositions during eclogitization of subducting basaltic crust. American Mineralogist, 2004, 89, 1516-1524.	0.9	19

#	Article	IF	Citations
220	Dynamical causes for incipient magma chambers above slabs. Geology, 2004, 32, 89.	2.0	127
221	â€œColdâ€•diapirs triggered by intrusion of the Bushveld Complex: Insight from two-dimensional numerical modeling. , 2004, , .		7
222	Epidote-rich talc-kyanite-phengite eclogites, Sulu terrane, eastern China:P-T-f_{o₂}estimates and the significance of the epidote-talc assemblage in eclogite. American Mineralogist, 2004, 89, 1772-1783.	0.9	53
223	Evolution of arc magmas and their volatiles. Geophysical Monograph Series, 2004, , 95-108.	0.1	9
224	Geophysical constraints on slab subduction and arc magmatism. Geophysical Monograph Series, 2004, , 81-93.	0.1	53
225	Rock Anelasticity Studies at High Pressure and Temperature. Journal of Geography (Chigaku Zasshi), 2005, 114, 1022-1031.	0.1	1
226	Water in the Mantle. Elements, 2005, 1, 25-30.	0.5	165
227	Geochemistry of Adakites from the Philippines: Constraints on Their Origins. Resource Geology, 2005, 55, 163-188.	0.3	39
228	The role of viscous heating in Barrovian metamorphism of collisional orogens: thermomechanical models and application to the Lepontine Dome in the Central Alps. Journal of Metamorphic Geology, 2005, 23, 75-95.	1.6	355
229	Fluid-mediated modification of garnet interiors under ultrahigh-pressure conditions. Terra Nova, 2005, 17, 545-553.	0.9	48
230	Trace element signature of subduction-zone fluids, melts and supercritical liquids at 120â€“180â€‰km depth. Nature, 2005, 437, 724-727.	13.7	1,099
231	Genetic Implications of Two Different Ultramafic Rocks from Hongseong Area in the Southwestern Gyeonggi Massif, South Korea. Gondwana Research, 2005, 8, 539-552.	3.0	25
232	Consequences of varied slab age and thermal structure on enrichment processes in the sub-arc mantle of the northern Cascadia subduction system. Journal of Volcanology and Geothermal Research, 2005, 140, 107-132.	0.8	28
233	Volatile abundances in the sub-arc mantle: insights from volcanic and hydrothermal gas discharges. Journal of Volcanology and Geothermal Research, 2005, 140, 205-216.	0.8	65
234	An overview of adakite, tonaliteâ€“trondhjemiteâ€“granodiorite (TTG), and sanukitoid: relationships and some implications for crustal evolution. Lithos, 2005, 79, 1-24.	0.6	2,254
235	Petrology of titanian clinohumite and olivine at the high-pressure breakdown of antigorite serpentinite to chlorite harzburgite (Almirez Massif, S. Spain). Contributions To Mineralogy and Petrology, 2005, 149, 627-646.	1.2	97
236	Temporal Evolution of Magmatism in the Northern Volcanic Zone of the Andes: The Geology and Petrology of Cayambe Volcanic Complex (Ecuador). Journal of Petrology, 2005, 46, 2225-2252.	1.1	91
237	Are Arc Basalts Dry, Wet, or Both? Evidence from the Sumisu Caldera Volcano, Izuâ€“Bonin Arc, Japan. Journal of Petrology, 2005, 46, 1769-1803.	1.1	70

#	Article	IF	Citations
238	Equation of state of hydrous Fo90 ringwoodite to 45 GPa by synchrotron powder diffraction. Mineralogical Magazine, 2005, 69, 317-323.	0.6	22
239	SEM/TEM-AEM characterization of micro- and nano-scale zonation in phengite from a UHP Dora-Maira marble: petrologic significance of armoured Si-rich domains. European Journal of Mineralogy, 2005, 17, 453-464.	0.4	21
240	Crossover from classical to 3d-Ising critical behaviour near the antiferrodistortive phase transition of lawsonite. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.4	6
241	Comment on â€œSubduction factory: 1. Theoretical mineralogy, densities, seismic wave speeds, and H2O contentsâ€•by Bradley R. Hacker, Geoffrey A. Abers, and Simon M. Peacock. Journal of Geophysical Research, 2005, 110, .	3.3	20
242	Water in the Earth's mantle. Mineralogical Magazine, 2005, 69, 229-257.	0.6	194
243	Occurrence of arsenic (V) in forearc mantle serpentinites based on X-ray absorption spectroscopy study. Geochimica Et Cosmochimica Acta, 2005, 69, 5585-5596.	1.6	97
244	Rutile stability and rutile/melt HFSE partitioning during partial melting of hydrous basalt: Implications for TTG genesis. Chemical Geology, 2005, 218, 339-359.	1.4	520
245	Pressureâ€“temperatureâ€“time paths of sediment recycling beneath the Tongaâ€“Kermadec arc. Earth and Planetary Science Letters, 2005, 233, 195-211.	1.8	39
246	Quantitative analysis of the inclined low-velocity zone in the mantle wedge of northeastern Japan: A systematic change of melt-filled pore shapes with depth and its implications for melt migration. Earth and Planetary Science Letters, 2005, 234, 59-70.	1.8	89
247	Systematics of halogen elements and their radioisotopes in thermal springs of the Cascade Range, Central Oregon, Western USA. Earth and Planetary Science Letters, 2005, 235, 700-714.	1.8	24
248	Computation of phase equilibria by linear programming: A tool for geodynamic modeling and its application to subduction zone decarbonation. Earth and Planetary Science Letters, 2005, 236, 524-541.	1.8	1,728
249	Heat flow and bending-related faulting at subduction trenches: Case studies offshore of Nicaragua and Central Chile. Earth and Planetary Science Letters, 2005, 236, 238-248.	1.8	108
250	Kinetics of antigorite dehydration: A real-time X-ray diffraction study. Earth and Planetary Science Letters, 2005, 236, 899-913.	1.8	112
251	The waterâ€“basalt system at 4 to 6 GPa: Phase relations and second critical endpoint in a K-free eclogite at 700 to 1400 Â°C. Earth and Planetary Science Letters, 2005, 237, 873-892.	1.8	278
252	Trace element characteristics of the fluid liberated from amphibolite-facies slab: Inference from the metamorphic sole beneath the Oman ophiolite and implication for boninite genesis. Earth and Planetary Science Letters, 2005, 240, 355-377.	1.8	92
253	Numerical simulations of subduction zones. Physics of the Earth and Planetary Interiors, 2005, 149, 133-153.	0.7	427
254	Seismic low-velocity layer at the top of subducting slabs: observations, predictions, and systematics. Physics of the Earth and Planetary Interiors, 2005, 149, 7-29.	0.7	177
255	Phase relations in hydrous MORB at 18â€“28GPa: implications for heterogeneity of the lower mantle. Physics of the Earth and Planetary Interiors, 2005, 150, 239-263.	0.7	141

#	Article	IF	Citations
256	Stability of phase A in antigorite (serpentine) composition determined by in situ X-ray pressure observations. Physics of the Earth and Planetary Interiors, 2005, 151, 276-289.	0.7	56
257	Seismic imaging of the entire arc of Tohoku and Hokkaido in Japan using P-wave, S-wave and sP depth-phase data. Physics of the Earth and Planetary Interiors, 2005, 152, 144-162.	0.7	112
258	Deep structure of the northeastern Japan arc and its implications for crustal deformation and shallow seismic activity. Tectonophysics, 2005, 403, 59-75.	0.9	157
259	From Snowball to Phaneorozic Earth. International Geology Review, 2005, 47, 775-791.	1.1	72
260	Geochemistry of serpentinized peridotites from the Mariana Forearc Conical Seamount, ODP Leg 125: Implications for the elemental recycling at subduction zones. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	183
261	Enrichment of HFSE in chlorite-harzburgite produced by high-pressure dehydration of antigorite-serpentinite: Implications for subduction magmatism. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	81
262	Oxygen isotope constraints on the sources of Central American arc lavas. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	95
263	Reply to comment by R. Bousquet et al. on â€œSubduction factory: 1. Theoretical mineralogy, densities, seismic wave speeds and H2O contentsâ€• Journal of Geophysical Research, 2005, 110, .	3.3	11
264	U series disequilibria: Insights into mantle melting and the timescales of magma differentiation. Reviews of Geophysics, 2005, 43, .	9.0	50
265	Physical, chemical, and chronological characteristics of continental mantle. Reviews of Geophysics, 2005, 43, .	9.0	408
266	A wave equation migration method for receiver function imaging: 2. Application to the Japan subduction zone. Journal of Geophysical Research, 2005, 110, .	3.3	33
267	Recent progress in experimental mineral physics: Phase relations of hydrous systems and the role of water in slab dynamics. Geophysical Monograph Series, 2005, , 321-334.	0.1	8
268	Jade (Nephrite and Jadeitite) and Serpentinite: Metasomatic Connections. International Geology Review, 2005, 47, 113-146.	1.1	180
269	Fluid-Rock Interaction in UHP Phengite-Kyanite-Epidote Eclogite from the Sulu Orogen, Eastern China. International Geology Review, 2005, 47, 750-774.	1.1	30
270	Blueschists and Blue Amphiboles: How much Subduction do they Need?. International Geology Review, 2005, 47, 688-702.	1.1	16
271	Elastic properties of minerals and the influence of phase transitions. American Mineralogist, 2006, 91, 229-246.	0.9	50
272	Geochemical Evidence for Slab Melting in the Trans-Mexican Volcanic Belt. Journal of Petrology, 2006, 48, 537-562.	1.1	109
273	Contributions of Slab Fluid, Mantle Wedge and Crust to the Origin of Quaternary Lavas in the NE Japan Arc. Journal of Petrology, 2006, 47, 2185-2232.	1.1	463

#	Article	IF	Citations
274	Overriding plate thinning in subduction zones: Localized convection induced by slab dehydration. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	58
275	Factors controlling the crustal density structure underneath active continental margins with implications for their evolution. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	24
276	Global compilation of variations in slab depth beneath arc volcanoes and implications. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	476
277	Large-scale rigid-body rotation in the mantle wedge and its implications for seismic tomography. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	45
278	Seismic structure beneath the Tonga arc and Lau back-arc basin determined from joint Vp, Vp/Vs tomography. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	65
279	Fluid release from the subducted Cocos plate and partial melting of the crust deduced from magnetotelluric studies in southern Mexico: Implications for the generation of volcanism and subduction dynamics. Journal of Geophysical Research, 2006, 111, .	3.3	87
280	Unusual mantle Poisson's ratio, subduction, and crustal structure in central Alaska. Journal of Geophysical Research, 2006, 111, .	3.3	73
281	Imaging the transition from Aleutian subduction to Yakutat collision in central Alaska, with local earthquakes and active source data. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	228
282	Role of dynamic grain boundary wetting in fluid circulation beneath volcanic arcs. Geophysical Research Letters, 2006, 33, .	1.5	29
283	The Stability of Hydrous Mantle Phases. Reviews in Mineralogy and Geochemistry, 2006, 62, 243-271.	2.2	104
284	The origin of jadeitite-forming subduction-zone fluids: CL-guided SIMS oxygen-isotope and trace-element evidence. American Mineralogist, 2006, 91, 979-996.	0.9	80
285	Experimental constraints on TTG petrogenesis: Implications for Archean geodynamics. Geophysical Monograph Series, 2006, , 149-175.	0.1	113
286	Thermal and mechanical controls on the evolution of archean crustal deformation: Examples from Western Australia. Geophysical Monograph Series, 2006, , 131-147.	0.1	13
287	Modes of crustal accretion in back-arc basins: Inferences from the Lau Basin. Geophysical Monograph Series, 2006, , 5-30.	0.1	26
288	Suboceanic earthquake location and seismic structure in the Kanto district, central Japan. Earth and Planetary Science Letters, 2006, 241, 789-803.	1.8	34
289	The thermal structure of subduction zones constrained by seismic imaging: Implications for slab dehydration and wedge flow. Earth and Planetary Science Letters, 2006, 241, 387-397.	1.8	210
290	Adakites without slab melting: High pressure differentiation of island arc magma, Mindanao, the Philippines. Earth and Planetary Science Letters, 2006, 243, 581-593.	1.8	924
291	Partitioning of water during melting of the Earth's upper mantle at H2O-undersaturated conditions. Earth and Planetary Science Letters, 2006, 248, 715-734.	1.8	407

#	Article	IF	Citations
292	Polyphase inclusions in garnetâ€“orthopyroxenite (Dabie Shan, China) as monitors for metasomatism and fluid-related trace element transfer in subduction zone peridotite. Earth and Planetary Science Letters, 2006, 249, 173-187.	1.8	127
293	Dating of prograde metamorphic events deciphered from episodic zircon growth in rocks of the Dabieâ€“Sulu UHP complex, China. Earth and Planetary Science Letters, 2006, 250, 650-666.	1.8	248
294	Slab dehydration in the Earth's mantle transition zone. Earth and Planetary Science Letters, 2006, 251, 156-167.	1.8	60
295	Achlorine isotope study of DSDP/ODP serpentinized ultramafic rocks: Insights into the serpentinization process. Chemical Geology, 2006, 228, 246-265.	1.4	114
296	Partial melting processes above subducting plates: Constraints from 231Paâ€“235U disequilibria. Geochimica Et Cosmochimica Acta, 2006, 70, 480-503.	1.6	39
297	Making continental crust through slab melting: Constraints from niobiumâ€“tantalum fractionation in UHP metamorphic rutile. Geochimica Et Cosmochimica Acta, 2006, 70, 4770-4782.	1.6	111
298	The Genesis of Intermediate and Silicic Magmas in Deep Crustal Hot Zones. Journal of Petrology, 2006, 47, 505-539.	1.1	1,551
299	Seismic implications of mantle wedge plumes. Physics of the Earth and Planetary Interiors, 2006, 156, 59-74.	0.7	190
300	Early hydrous melting and degassing of the Martian interior. Journal of Geophysical Research, 2006, 111, .	3.3	51
301	11. The Stability of Hydrous Mantle Phases. , 2006, , 243-272.		14
302	12. Hydrous Phases and Water Transport in the Subducting Slab. , 2006, , 273-290.		11
303	Determination of Chlorine in Nine Rock Reference Materials by Isotope Dilution Mass Spectrometry. Geostandards and Geoanalytical Research, 2006, 30, 113-120.	2.0	16
304	Petrogenesis of lawsonite and epidote eclogite and blueschist, Sivrihisar Massif, Turkey. Journal of Metamorphic Geology, 2006, 24, 061107121521001-???.	1.6	49
305	Guided waves at subduction zones: dependencies on slab geometry, receiver locations and earthquake sources. Geophysical Journal International, 2006, 167, 693-704.	1.0	29
306	Lithospheric structure of an active backarc basin: the Taupo Volcanic Zone, New Zealand. Geophysical Journal International, 2006, 167, 968-990.	1.0	70
307	P- andS-velocity images of the lithosphere-asthenosphere system in the Central Andes from local-source tomographic inversion. Geophysical Journal International, 2006, 167, 106-126.	1.0	62
308	The elastic and optical properties of the high-pressure hydrous phase Î´-AlOOH. Solid State Communications, 2006, 137, 101-106.	0.9	35
309	WATER, MELTING, AND THE DEEP EARTH H2O CYCLE. Annual Review of Earth and Planetary Sciences, 2006, 34, 629-653.	4.6	513

#	Article	IF	Citations
310	Application of rutile thermometry to eclogites. Mineralogy and Petrology, 2006, 88, 69-85.	0.4	55
311	The SHAND quaternary system for evaluating the supersilicic or subsilicic crystal-chemistry of eclogite minerals, and potential new UHPM pyroxene and garnet end-members. Mineralogy and Petrology, 2006, 88, 87-122.	0.4	13
312	Two-dimensional numerical modeling of tectonic and metamorphic histories at active continental margins. International Journal of Earth Sciences, 2006, 95, 250-274.	0.9	245
313	Subduction-related Pâ€“T path for eclogites and garnet glaucophanites from the SamanÃ¡ Peninsula basement complex, northern Hispaniola. International Journal of Earth Sciences, 2006, 95, 995-1017.	0.9	26
314	Subduction factory processes beneath the Guguan cross-chain, Mariana Arc: no role for sediments, are serpentinites important?. Contributions To Mineralogy and Petrology, 2006, 151, 202-221.	1.2	117
315	Experimental evidence of decompression melting during exhumation of subducted continental crust. Contributions To Mineralogy and Petrology, 2006, 152, 125-148.	1.2	240
316	Crystal structure and compression of an iron-bearing Phase A to 33ÂGPa. Physics and Chemistry of Minerals, 2006, 33, 192-199.	0.3	16
317	Pâ€“V Equations of State and the relative stabilities of serpentine varieties. Physics and Chemistry of Minerals, 2006, 33, 629-637.	0.3	45
318	57Fe MÃ¶ssbauer measurements and electronic structure calculations on natural lawsonites. Physics and Chemistry of Minerals, 2006, 34, 1-9.	0.3	5
319	Lawsonite-bearing eclogites in the north Qilian and north Altyn Tagh: Evidence for cold subduction of oceanic crust. Science Bulletin, 2006, 51, 1238-1244.	1.7	41
320	Water content in natural eclogite and implication for water transport into the deep upper mantle. Lithos, 2006, 86, 245-259.	0.6	132
321	High-pressure veins in eclogite from New Caledonia and their significance for fluid migration in subduction zones. Lithos, 2006, 89, 135-153.	0.6	103
322	Multistage metasomatism in ultrahigh-pressure mafic rocks from the North Dabie Complex (China). Lithos, 2006, 90, 19-42.	0.6	74
323	Very-low-temperature record of the subduction process: A review of worldwide lawsonite eclogites. Lithos, 2006, 92, 609-624.	0.6	217
324	Aqueous fluids and hydrous melts in high-pressure and ultra-high pressure rocks: Implications for element transfer in subduction zones. Lithos, 2006, 92, 399-417.	0.6	531
325	Pargasite and ilmenite exsolution texture in clinopyroxenes from Hujialing garnet-pyroxenite, Su-Lu UHP terrane, Central China: a geodynamic implication. European Journal of Mineralogy, 2006, 17, 895-903.	0.4	27
326	Calculated Phase Relations in the System Na2Oâ€“CaOâ€“K2Oâ€“FeOâ€“MgOâ€“Al2O3â€“SiO2â€“H2O with Applications to UHP Eclogites and Whiteschists. Journal of Petrology, 2006, 47, 2047-2071.	1.1	36
327	Supra-subduction Zone Pyroxenites from San Jorge and Santa Isabel (Solomon Islands). Journal of Petrology, 2006, 47, 1531-1555.	1.1	76

#	Article	IF	Citations
328	The Physico-Chemical Properties of a Subducted Slab from Garnet Zonation Patterns (Sesia Zone,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	60
329	High-pressure behavior of synthetic antigorite in the MgO-SiO2-H2O system from Raman spectroscopy. American Mineralogist, 2006, 91, 459-462.	0.9	27
330	Petrologic characterization of Guatemalan lawsonite eclogite: Eclogitization of subducted oceanic crust in a cold subduction zone. , 2006, , .		40
331	The Effects of Small Amounts of H2O, CO2 and Na2O on the Partial Melting of Spinel Lherzolite in the System CaOâ€“MgOâ€“Al2O3â€“SiO2 Â± H2O Â± CO2 Â± Na2O at 1Â·1â€‰GPa. Journal of Petrology, 2006, 47, 409-434.	1.1	52
332	Hydrous Phases and Water Transport in the Subducting Slab. Reviews in Mineralogy and Geochemistry, 2006, 62, 273-289.	2.2	62
333	Hydrogen in High Pressure Silicate and Oxide Mineral Structures. Reviews in Mineralogy and Geochemistry, 2006, 62, 85-115.	2.2	45
334	The reaction talc + forsterite = enstatite + H2O revisited: Application of conventional and novel experimental techniques and derivation of revised thermodynamic properties. American Mineralogist, 2006, 91, 1081-1088.	0.9	13
335	Petrology and Geochemistry of Eclogite Xenoliths from the Colorado Plateau: Implications for the Evolution of Subducted Oceanic Crust. Journal of Petrology, 2006, 47, 929-964.	1.1	71
336	Exhumation History of a Garnet Pyroxenite-bearing Mantle Section from a Continent-Ocean Transition (Northern Apennine Ophiolites, Italy). Journal of Petrology, 2006, 47, 1943-1971.	1.1	81
337	Syros Metasomatic Tourmaline: Evidence for Very High-Â11B Fluids in Subduction Zones. Journal of Petrology, 2006, 47, 1915-1942.	1.1	130
338	Why is lawsonite eclogite so rare? Metamorphism and preservation of lawsonite eclogite, Sivrihisar, Turkey. Geology, 2006, 34, 473.	2.0	103
339	Zircon-Inclusion Mineralogy of a Diamond-Grade Eclogite from the Kokchetav Massif, Northern Kazakhstan. International Geology Review, 2006, 48, 882-891.	1.1	7
341	Mantle Downwellings and the Fate of Subducting Slabs: Constraints from Seismology, Geoid Topography, Geochemistry, and Petrology. , 2007, , 325-370.		8
342	Water, the Solid Earth, and the Atmosphere: The Genesis and Effects of a Wet Surface on a Mostly Dry Planet. , 2007, , 121-143.		3
343	Partial Melting and Counterclockwise P T Path of Subducted Oceanic Crust (Sierra del Convento) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	72
344	Wet and Dry Basalt Magma Evolution at Torishima Volcano, Izuâ€“Bonin Arc, Japan: the Possible Role of Phengite in the Downgoing Slab. Journal of Petrology, 2007, 48, 1999-2031.	1.1	62
345	A North-South Transect across the Central Mexican Volcanic Belt at Â100ÂW: Spatial Distribution, Petrological, Geochemical, and Isotopic Characteristics of Quaternary Volcanism. Journal of Petrology, 2007, 48, 901-950.	1.1	33
346	Significance of the Ca-Na Pyroxene-Lawsonite-Chlorite Assemblage in Blueschist-Facies Metabasalts: An Example from the Renge Metamorphic Rocks, Southwest Japan. International Geology Review, 2007, 49, 416-430.	1.1	14

#	Article	IF	Citations
347	Calc-Alkaline Magmatism at the Archeanâ€“Proterozoic Transition: the CaicÃ³ Complex Basement (NE) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	118
348	Pervasive Seismic Wave Reflectivity and Metasomatism of the Tonga Mantle Wedge. Science, 2007, 316, 855-859.	6.0	37
349	Slow Earthquake and Water. Journal of Geography (Chigaku Zasshi), 2007, 116, 114-132.	0.1	2
350	Water and Magma. Journal of Geography (Chigaku Zasshi), 2007, 116, 133-153.	0.1	2
351	Volcanism and volatile recycling on a one-plate planet: Applications to Venus. Journal of Geophysical Research, 2007, 112, .	3.3	46
352	Rb-Sr isotopic dating of pseudomorphs after lawsonite in metabasalts from the Glockner nappe, Tauern Window, Eastern Alps. European Journal of Mineralogy, 2007, 19, 723-734.	0.4	18
353	Influence of the precollisional stage on subduction dynamics and the buried crust thermal state: Insights from numerical simulations. Tectonophysics, 2007, 441, 27-45.	0.9	14
354	Intrusion of ultramafic magmatic bodies into the continental crust: Numerical simulation. Physics of the Earth and Planetary Interiors, 2007, 160, 124-142.	0.7	131
355	Effect of H2O released by dehydration of serpentine and chlorite on compressional wave velocities of peridotites at 1GPa and up to 1000Â°C. Physics of the Earth and Planetary Interiors, 2007, 161, 215-223.	0.7	20
356	Deep structure of the Japan subduction zone. Physics of the Earth and Planetary Interiors, 2007, 162, 32-52.	0.7	79
357	Physical controls of magmatic productivity at Pacific-type convergent margins: Numerical modelling. Physics of the Earth and Planetary Interiors, 2007, 163, 209-232.	0.7	117
358	Constraints on mantle melting and composition and nature of slab components in volcanic arcs from volatiles (H2O, S, Cl, F) and trace elements in melt inclusions from the Kamchatka Arc. Earth and Planetary Science Letters, 2007, 255, 53-69.	1.8	274
359	Slab surface temperature in subduction zones: Influence of the interplate decoupling depth and upper plate thinning processes. Earth and Planetary Science Letters, 2007, 255, 324-338.	1.8	69
360	Ancient recycled crust beneath the Ontong Java Plateau: Isotopic evidence from the garnet clinopyroxenite xenoliths, Malaita, Solomon Islands. Earth and Planetary Science Letters, 2007, 259, 134-148.	1.8	51
361	Squeezing out the slab â€" modelling the release of Li, Be and B during progressive high-pressure metamorphism. Chemical Geology, 2007, 239, 323-335.	1.4	134
362	Trace element fractionation in deep subduction zones inferred from a lawsonite-eclogite xenolith from the Colorado Plateau. Chemical Geology, 2007, 239, 336-351.	1.4	34
363	Transportation of H2O beneath the Japan arcs and its implications for global water circulation. Chemical Geology, 2007, 239, 182-198.	1.4	417
364	An evaluation of reactive fluid flow and trace element mobility in subducting slabs. Chemical Geology, 2007, 239, 199-216.	1.4	196

#	Article	IF	Citations
365	Eclogitisation of gabbroic rocks: Redistribution of trace elements and Zr in rutile thermometry in an Eo-Alpine subduction zone (Eastern Alps). Chemical Geology, 2007, 239, 96-123.	1.4	105
366	Zoisite-aqueous fluid trace element partitioning with implications for subduction zone fluid composition. Chemical Geology, 2007, 239, 250-265.	1.4	65
367	Chlorine in submarine volcanic glasses from the eastern manus basin. Geochimica Et Cosmochimica Acta, 2007, 71, 1542-1552.	1.6	96
368	Origin of retrograde fluid in ultrahigh-pressure metamorphic rocks: Constraints from mineral hydrogen isotope and water content changes in eclogiteâ€“gneiss transitions in the Sulu orogen. Geochimica Et Cosmochimica Acta, 2007, 71, 2299-2325.	1.6	102
369	Constraints on source-forming processes of West Greenland kimberlites inferred from Hfâ€“Nd isotope systematics. Geochimica Et Cosmochimica Acta, 2007, 71, 2820-2836.	1.6	66
371	Mobilization of Tiâ€“Nbâ€“Ta during subduction: Evidence from rutile-bearing dehydration segregations and veins hosted in eclogite, Tianshan, NW China. Geochimica Et Cosmochimica Acta, 2007, 71, 4974-4996.	1.6	234
372	Effect of water on the phase relations in Earth's mantle and deep water cycle. , 2007, , .		42
373	Special Paper: Adakite-Like Rocks: Their Diverse Origins and Questionable Role in Metallogenesis. Economic Geology, 2007, 102, 537-576.	1.8	756
374	Thermal models beneath Kamchatka and the Pacific Plate rejuvenation from a mantle plume impact. Geophysical Monograph Series, 2007, , 77-89.	0.1	6
375	High-pressure infrared spectra of talc and lawsonite. American Mineralogist, 2007, 92, 1814-1820.	0.9	24
376	Continental magmatism, volatile recycling, and a heterogeneous mantle caused by lithospheric gravitational instabilities. Journal of Geophysical Research, 2007, 112, .	3.3	143
377	Submarine hydrothermal activity along the midâ€Kermadec Arc, New Zealand: Largeâ€scale effects on venting. Geochemistry, Geophysics, Geosystems, 2007, 8, .	1.0	97
378	Waveform modeling of the slab beneath Japan. Journal of Geophysical Research, 2007, 112, .	3.3	35
379	Stress, strain, and B-type olivine fabric in the fore-arc mantle: Sensitivity tests using high-resolution steady-state subduction zone models. Journal of Geophysical Research, 2007, 112, .	3.3	83
380	Shallow slab fluid release across and along the Mariana arcâ€basin system: Insights from geochemistry of serpentinized peridotites from the Mariana fore arc. Journal of Geophysical Research, 2007, 112, .	3.3	142
381	Elasticity of serpentines and extensive serpentinization in subduction zones. Geophysical Research Letters, 2007, 34, .	1.5	42
382	Effect of solid flow above a subducting slab on water distribution and melting at convergent plate boundaries. Journal of Geophysical Research, 2007, 112, .	3.3	148
383	One View of the Geochemistry of Subduction-Related Magmatic Arcs, with an Emphasis on Primitive Andesite and Lower Crust. , 2007, , 1-70.		114

#	Article	IF	Citations
384	Back-Arc Basins. Oceanography, 2007, 20, 116-127.	0.5	40
385	Temporal Geochemical Evolution of Neogene Magmatism in the Baguio Gold?Copper Mining District (Northern Luzon, Philippines). Resource Geology, 2007, 57, 197-218.	0.3	35
386	The oceanic substratum of Northern Luzon: Evidence from xenoliths within Monglo adakite (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.5	23
387	Slab dehydration and fluid migration at the base of the upper mantle: implications for deep earthquake mechanisms. Geophysical Journal International, 2007, 168, 1291-1304.	1.0	34
388	Emplacement, growth, and gravitational deformation of serpentinite seamounts on the Mariana forearc. Geophysical Journal International, 2007, 170, 615-634.	1.0	60
389	A cold Early Palaeozoic subduction zone in the North Qilian Mountains, NW China: petrological and U-Pb geochronological constraints. Journal of Metamorphic Geology, 2007, 25, 285-304.	1.6	203
390	Petrology of rodingite derived from eclogite in western Tianshan, China. Journal of Metamorphic Geology, 2007, 25, 363-382.	1.6	81
391	Eclogite and carpholite-bearing metasedimentary rocks in the North Qilian suture zone, NW China: implications for Early Palaeozoic cold oceanic subduction and water transport into mantle. Journal of Metamorphic Geology, 2007, 25, 547-563.	1.6	150
392	The oxygen isotope evolution of seawater: A critical review of a long-standing controversy and an improved geological water cycle model for the past 3.4Âbillion years. Earth-Science Reviews, 2007, 83, 83-122.	4.0	295
393	Adakitic magmas in the Ecuadorian Volcanic Front: Petrogenesis of the Iliniza Volcanic Complex (Ecuador). Journal of Volcanology and Geothermal Research, 2007, 159, 366-392.	0.8	54
394	Controls of stable continental lithospheric thickness: the role of basal drag. Lithos, 2007, 96, 299-314.	0.6	5
395	Prograde metamorphic evolution and development of chloritoid-bearing eclogitic assemblages in subcontinental metagabbro (Sesiaâ€“Lanzo zone, Italy). Lithos, 2007, 98, 275-291.	0.6	25
396	Xenoliths from Cerro de los Chenques (Patagonia): An example of slab-related metasomatism in the backarc lithospheric mantle. Lithos, 2007, 99, 45-67.	0.6	34
397	Acoustic dissipation associated with phase transitions in lawsonite, CaAl2Si2O7(OH)2{middle dot}H2O. American Mineralogist, 2007, 92, 1665-1672.	0.9	112
399	Phase transition in the subducted oceanic lithosphere and generation of the subduction zone magma. Science Bulletin, 2008, 53, 3603-3614.	1.7	8
400	Relationships between magmatism and lithosphere-asthenosphere structure in the Western Mediterranean and implications for geodynamics. Rendiconti Lincei, 2008, 19, 291-309.	1.0	10
401	The importance of talc and chlorite â€œhybridâ€•rocks for volatile recycling through subduction zones; evidence from the high-pressure subduction mÃ©lange of New Caledonia. Contributions To Mineralogy and Petrology, 2008, 155, 181-198.	1.2	148
402	Origin of fineâ€grained peridotite xenoliths from Iraya volcano of Batan Island, Philippines: deserpentinization or metasomatism at the wedge mantle beneath an incipient arc?. Island Arc, 2000, 9, 458-471.	0.5	12

#	Article	IF	Citations
403	Dehydration of clastic sediments in subduction zones: Theoretical study using thermodynamic data of minerals. Island Arc, 2008, 17, 577-590.	0.5	16
404	First report of eclogites from central Tibet, China: evidence for ultradeep continental subduction prior to the Cenozoic Indiaâ€Asian collision. Terra Nova, 2008, 20, 302-308.	0.9	41
405	On the origin of El ChichÃ³n volcano and subduction of Tehuantepec Ridge: A geodynamical perspective. Journal of Volcanology and Geothermal Research, 2008, 175, 459-471.	0.8	51
406	Geochemical and petrological constraints on rear-arc magma genesis processes in Ecuador: The Puyo cones and Mera lavas volcanic formations. Journal of Volcanology and Geothermal Research, 2008, 176, 107-118.	0.8	43
407	Bimodal back-arc alkaline magmatism after ridge subduction: Pliocene felsic rocks from Central Patagonia (47Â°S). Lithos, 2008, 101, 191-217.	0.6	46
408	Tectonically controlled fluid flow and water-assisted melting in the middle crust: An example from the Central Alps. Lithos, 2008, 102, 598-615.	0.6	80
409	The dynamics of intra-oceanic subduction zones: A direct comparison between fossil petrological evidence (Rio San Juan Complex, Dominican Republic) and numerical simulation. Lithos, 2008, 103, 106-137.	0.6	123
410	Trace-element mobilization in slabs due to non steady-state fluidâ€“rock interaction: Constraints from an eclogite-facies transport vein in blueschist (Tianshan, China). Lithos, 2008, 103, 1-24.	0.6	220
411	Melting of hydrous and carbonate mineral inclusions in garnet host during ultrahigh pressure experiments. Lithos, 2008, 103, 25-45.	0.6	40
412	Styles of post-subduction collisional orogeny: Influence of convergence velocity, crustal rheology and radiogenic heat production. Lithos, 2008, 103, 257-287.	0.6	222
413	Plate tectonics on the early Earth: Limitations imposed by strength and buoyancy of subducted lithosphere. Lithos, 2008, 103, 217-235.	0.6	261
414	Transient hot channels: Perpetrating and regurgitating ultrahigh-pressure, high-temperature crustâ€“mantle associations in collision belts. Lithos, 2008, 103, 236-256.	0.6	218
415	Pressureâ€“temperature evolution of lawsonite eclogite in Sivrihisar; TavÅŸanlÄ± Zoneâ€“Turkey. Lithos, 2008, 104, 12-32.	0.6	43
416	The Seismic Structure and Dynamics of the Mantle Wedge. Annual Review of Earth and Planetary Sciences, 2008, 36, 421-455.	4.6	114
417	H₂O subduction beyond arcs. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	384
418	Backâ€arc strain in subduction zones: Statistical observations versus numerical modeling. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	52
419	Conditions for a crustal block to be sheared off from the subducted continental lithosphere: What is an essential factor to cause features associated with collision?. Journal of Geophysical Research, 2008, 113, .	3.3	23
420	Electrical conductivity beneath the Bolivian Orocline and its relation to subduction processes at the South American continental margin. Journal of Geophysical Research, 2008, 113, .	3.3	51

#	Article	IF	Citations
421	Weakening of the subduction interface and its effects on surface heat flow, slab dehydration, and mantle wedge serpentinization. Journal of Geophysical Research, 2008, 113, .	3.3	195
422	Strong alongâ€arc variations in attenuation in the mantle wedge beneath Costa Rica and Nicaragua. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	91
423	Trace Element Partitioning and Accessory Phase Saturation during H2O-Saturated Melting of Basalt with Implications for Subduction Zone Chemical Fluxes. Journal of Petrology, 2008, 49, 523-553.	1.1	260
424	Petrology of a Late Archaean, Highly Potassic, Sanukitoid Pluton from the Baltic Shield: Insights into Late Archaean Mantle Metasomatism. Journal of Petrology, 2008, 49, 393-420.	1.1	92
425	Middle Miocene volcanism in the vicinity of the Middle Hungarian zone: Evidence for an inherited enriched mantle source. Journal of Geodynamics, 2008, 45, 1-17.	0.7	53
426	A community benchmark for subduction zone modeling. Physics of the Earth and Planetary Interiors, 2008, 171, 187-197.	0.7	187
427	Numerical modelling of crustal growth in intraoceanic volcanic arcs. Physics of the Earth and Planetary Interiors, 2008, 171, 336-356.	0.7	146
428	Subduction initiation by thermalâ€“chemical plumes: Numerical studies. Physics of the Earth and Planetary Interiors, 2008, 171, 296-312.	0.7	155
429	Sound velocities and elasticity of DHMS phase A to high pressure and implications for seismic velocities and anisotropy in subducted slabs. Physics of the Earth and Planetary Interiors, 2008, 170, 229-239.	0.7	28
430	Tomographic evidence for the subducting oceanic crust and forearc mantle serpentinization under Kyushu, Japan. Tectonophysics, 2008, 449, 85-96.	0.9	59
431	Ce anomalies in Gough Island lavas â€" Trace element characteristics of a recycled sediment component. Earth and Planetary Science Letters, 2008, 265, 475-486.	1.8	84
432	The origin of the negative niobium tantalum anomaly in subduction zone magmas. Earth and Planetary Science Letters, 2008, 267, 290-300.	1.8	133
433	The southern Tyrrhenian subduction zone: Deep geometry, magmatism and Plio-Pleistocene evolution. Earth and Planetary Science Letters, 2008, 268, 408-423.	1.8	201
434	A climate induced transition in the tectonic style of a terrestrial planet. Earth and Planetary Science Letters, 2008, 271, 34-42.	1.8	79
435	Numerical modelling of lithosphereâ€“asthenosphere interaction in a subduction zone. Earth and Planetary Science Letters, 2008, 272, 698-708.	1.8	29
436	Comment to â€œChlorine stable isotopes and halogen concentrations in convergent margins with implications for the Cl isotopes cycle in the oceanâ€•by Wei et al. A review of the Cl isotope composition of serpentinites and the global chlorine cycle. Earth and Planetary Science Letters, 2008, 274, 531-534.	1.8	11
437	Water flow to the mantle transition zone inferred from a receiver function image of the Pacific slab. Earth and Planetary Science Letters, 2008, 274, 346-354.	1.8	289
438	Hydrogen isotopes in Mariana arc melt inclusions: Implications for subduction dehydration and the deep-Earth water cycle. Earth and Planetary Science Letters, 2008, 275, 138-145.	1.8	162

#	Article	IF	Citations
439	Fluids in deeply subducted continental crust: Petrology, mineral chemistry and fluid inclusion of UHP metamorphic veins from the Sulu orogen, eastern China. Geochimica Et Cosmochimica Acta, 2008, 72, 3200-3228.	1.6	145
440	Blueschist-facies rehydration of eclogites (Tian Shan, NW-China): Implications for fluidâ€“rock interaction in the subduction channel. Chemical Geology, 2008, 255, 195-219.	1.4	127
441	Tomographic evidence for hydrated oceanic crust of the Pacific slab beneath northeastern Japan: Implications for water transportation in subduction zones. Geophysical Research Letters, 2008, 35, .	1.5	109
442	In situ Raman spectroscopic investigation of the structure of subductionâ€zone fluids. Journal of Geophysical Research, 2008, 113, .	3.3	46
443	Composition and thermal structure of the lithosphere beneath the Ethiopian plateau: evidence from mantle xenoliths in basanites, Injibara, Lake Tana Province. Mineralogy and Petrology, 2008, 93, 47-78.	0.4	33
444	Pacific Plate subduction beneath the central Mariana and Izuâ€Bonin fore arcs: New insights from an old margin. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	82
445	Rhyolites and their Source Mushes across Tectonic Settings. Journal of Petrology, 2008, 49, 2277-2285.	1.1	349
446	The Biotite to Phengite Reaction and Mica-dominated Melting in Fluid + Carbonate-saturated Pelites at High Pressures. Journal of Petrology, 2008, 49, 1889-1914.	1.1	37
447	Synthetic hypersilicic Cl-bearing mica in the phlogopite-celadonite join: A multimethodical characterization of the missing link between di- and tri-octahedral micas at high pressures. American Mineralogist, 2008, 93, 1429-1436.	0.9	17
448	Fluxes of volatiles (H2O, CO2, N2, Cl, F) from arc volcanoes. Geochemical Journal, 2008, 42, 21-38.	0.5	172
449	The heat conservation equation. , 0, , 123-132.		0
450	Density and gravity. , 0, , 25-36.		1
451	Numerical solution of the heat conservation equation. , 0, , 133-148.		0
452	2D thermomechanical code structure. , 0, , 149-164.		0
453	Programming of 3D problems. , 0, , 221-240.		0
455	Viscous rheology of rocks. , 0, , 73-82.		0
456	Numerical solutions of the momentum and continuity equations. , 0, , 83-104.		0
457	The advection equation and marker-in-cell method. , 0, , 105-122.		0

#	Article	IF	Citations
458	Design of 2D numerical geodynamic models. , 0, , 269-306.		0
459	The Shanderman eclogites: a Late Carboniferous high-pressure event in the NW Talesh Mountains (NW) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	46
460	Translithospheric Mantle Diapirism: Geological Evidence and Numerical Modelling of the Kondyor Zoned Ultramafic Complex (Russian Far-East). Journal of Petrology, 2009, 50, 289-321.	1.1	90
461	High-pressure ammonium-bearing silicates: Implications for nitrogen and hydrogen storage in the Earth's mantle. American Mineralogist, 2009, 94, 283-292.	0.9	85
462	Heterogeneous Lithospheric Mantle beneath Northern Patagonia: Evidence from Prahuaniyeu Garnet- and Spinel-Peridotites. Journal of Petrology, 2009, 50, 1267-1298.	1.1	31
463	Subduction Zone Geodynamics. Frontiers in Earth Sciences, 2009, , .	0.1	60
464	Transition from Ultrapotassic Kamafugitic to Sub-alkaline Magmas: Sr, Nd, and Pb Isotope, Trace Element and 40Arâ€“39Ar Age Data from the Middle Latin Valley Volcanic Field, Roman Magmatic Province, Central Italy. Journal of Petrology, 2009, 50, 1327-1357.	1.1	70
465	Subduction Influence on Oxygen Fugacity and Trace and Volatile Elements in Basalts Across the Cascade Volcanic Arc. Journal of Petrology, 2009, 50, 61-91.	1.1	124
466	Fluid/mineral interaction in UHP garnet peridotite. Lithos, 2009, 107, 38-52.	0.6	87
467	Glaucophane schists and associated rocks from Sifnos (Cyclades, Greece): New constraints on the Pâ€“T evolution from oxidized systems. Lithos, 2009, 109, 254-273.	0.6	47
468	Anomalous intra-plate high-Mg andesites in the Choshi area (Chiba, Central Japan) produced during early stages of Japan Sea opening?. Lithos, 2009, 112, 545-555.	0.6	11
469	Metamorphic Pâ€“Tâ€“time history of the Sanbagawa belt in central Shikoku, Japan and implications for retrograde metamorphism during exhumation. Lithos, 2009, 113, 393-407.	0.6	68
470	Exhumation of oceanic blueschists and eclogites in subduction zones: Timing and mechanisms. Earth-Science Reviews, 2009, 92, 53-79.	4.0	498
471	Tomographic imaging of hydrated crust and mantle in the subducting Pacific slab beneath Hokkaido, Japan: Evidence for dehydration embrittlement as a cause of intraslab earthquakes. Gondwana Research, 2009, 16, 470-481.	3.0	81
472	Deep slab subduction and dehydration and their geodynamic consequences: Evidence from seismology and mineral physics. Gondwana Research, 2009, 16, 401-413.	3.0	148
473	Plate subduction, and generation of earthquakes and magmas in Japan as inferred from seismic observations: An overview. Gondwana Research, 2009, 16, 370-400.	3.0	111
474	Contribution of slab-fluid in arc magmas beneath the Japan arcs. Gondwana Research, 2009, 16, 431-445.	3.0	301
475	Magma genesis beneath Northeast Japan arc: A new perspective on subduction zone magmatism. Gondwana Research, 2009, 16, 446-457.	3.0	39

#	Article	IF	Citations
476	Pressureâ€“temperature conditions of ongoing regional metamorphism beneath the Japanese Islands. Gondwana Research, 2009, 16, 458-469.	3.0	58
477	Hydrous aluminosilicate metasomatism in an intra-oceanic subduction zone: Implications from the Kurancali (Turkey) ultramafic-mafic cumulates within the Alpine Neotethys Ocean. Mineralogy and Petrology, 2009, 95, 273-290.	0.4	5
478	Isotopic and trace element constraints on the petrogenesis of lavas from the Mount Adams volcanic field, Washington. Contributions To Mineralogy and Petrology, 2009, 157, 189-207.	1.2	48
479	Alkali in phlogopite and amphibole and their effects on phase relations in metasomatized peridotites: a high-pressure study. Contributions To Mineralogy and Petrology, 2009, 158, 723-737.	1.2	92
480	An experimental study of dehydration melting of phengite-bearing eclogite at 1.5â€“3.0 GPa. Science Bulletin, 2009, 54, 2090-2100.	4.3	43
481	Kinematic variables and water transport control the formation and location of arc volcanoes. Nature, 2009, 459, 694-697.	13.7	174
482	Acrossâ€arc geochemical variation of Quaternary lavas in West Java, Indonesia: Massâ€balance elucidation using arc basalt simulator model. Island Arc, 2009, 18, 201-224.	0.5	26
483	Metasomatism of continental crust during subduction: the UHP whiteschists from the Southern Doraâ€Maira Massif (Italian Western Alps). Journal of Metamorphic Geology, 2009, 27, 739-756.	1.6	79
484	Petrology of coesiteâ€bearing eclogite from Habutengsu Valley, western Tianshan, NW China and its tectonometamorphic implication. Journal of Metamorphic Geology, 2009, 27, 773-787.	1.6	122
485	The sanukitoid series: magmatism at the Archaeanâ€“Proterozoic transition. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 15-33.	0.3	157
486	Numerical modeling of intraoceanic arc growth. Moscow University Geology Bulletin, 2009, 64, 230-243.	0.0	1
487	Fluid regime and the behavior of ore, trace, and rare-earth elements during granitization of metagabbro-norites of the Belomorian Group (Gorelyi Island, Kandalaksha Bay). Petrology, 2009, 17, 371-388.	0.2	7
488	Computer modeling of granite magma diapirism in the Earthâ€™s crust. Doklady Earth Sciences, 2009, 429, 1380-1384.	0.2	6
489	Emergence of a low-viscosity channel in subduction zones through the coupling of mantle flow and thermodynamics. Earth and Planetary Science Letters, 2009, 278, 243-256.	1.8	327
490	Coupled and decoupled regimes of continental collision: Numerical modeling. Earth and Planetary Science Letters, 2009, 278, 337-349.	1.8	98
491	The transport of carbon and hydrogen in subducted oceanic crust: An experimental study to 5ÂGPa. Earth and Planetary Science Letters, 2009, 278, 350-360.	1.8	165
492	The fate of subducted Upper Continental Crust: An experimental study. Earth and Planetary Science Letters, 2009, 282, 275-284.	1.8	87
493	Trench-parallel fast axes of seismic anisotropy due to fluid-filled cracks in subducting slabs. Earth and Planetary Science Letters, 2009, 283, 75-86.	1.8	99

#	Article	IF	Citations
494	Dehydration kinetics of talc and 10ÂÃ... phase: Consequences for subduction zone seismicity. Earth and Planetary Science Letters, 2009, 284, 57-64.	1.8	27
495	The H/C ratios of Earth's near-surface and deep reservoirs, and consequences for deep Earth volatile cycles. Chemical Geology, 2009, 262, 4-16.	1.4	160
496	Carbonate metasomatism and CO2 lithosphereâ€“asthenosphere degassing beneath the Western Mediterranean: An integrated model arising from petrological and geophysical data. Chemical Geology, 2009, 262, 108-120.	1.4	136
498	Accessory phase control on the trace element signature of sediment melts in subduction zones. Chemical Geology, 2009, 265, 512-526.	1.4	364
499	Fluid source-based modeling of melt initiation within the subduction zone mantle wedge: Implications for geochemical trends in arc lavas. Chemical Geology, 2009, 266, 297-310.	1.4	14
500	Stability and dynamics of serpentinite layer in subduction zone. Tectonophysics, 2009, 465, 24-29.	0.9	68
501	Convergence of aqueous fluid at the corner of the mantle wedge: Implications for a generation mechanism of deep low-frequency earthquakes. Tectonophysics, 2009, 469, 85-92.	0.9	13
502	Comparison of gravity anomaly between mature and immature intra-oceanic subduction zones in the western Pacific. Tectonophysics, 2009, 474, 657-673.	0.9	17
503	The role of water in the deep upper mantle and transition zone: dehydration of stagnant slabs and its effects on the big mantle wedge. Russian Geology and Geophysics, 2009, 50, 1073-1078.	0.3	89
504	Ultrahigh-pressure minerals and metamorphic terranes â€“ The view from China. Journal of Asian Earth Sciences, 2009, 35, 199-231.	1.0	306
505	Lawsonite blueschist in Northern Qilian, NW China: Pâ€“T pseudosections and petrologic implications. Journal of Asian Earth Sciences, 2009, 35, 354-366.	1.0	47
506	Exhumation Processes in Oceanic and Continental Subduction Contexts: A Review. Frontiers in Earth Sciences, 2009, , 175-205.	0.1	170
507	Seismic Anisotropy of Subduction Zone Mineralsâ€“Contribution of Hydrous Phases. Frontiers in Earth Sciences, 2009, , 63-84.	0.1	58
508	Effect of mantle compressibility on the thermal and flow structures of the subduction zones. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	37
509	Arc Basalt Simulator version 2, a simulation for slab dehydration and fluidâ€fluxed mantle melting for arc basalts: Modeling scheme and application. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	76
510	Light elements and Li isotopes across the northern portion of the Central American subduction zone. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	25
511	Magma extraction from the mantle wedge at convergent margins through dikes: A parametric sensitivity analysis. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	7
512	Common depth of slabâ€mantle decoupling: Reconciling diversity and uniformity of subduction zones. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	358

#	Article	IF	Citations
513	Threeâ€dimensional dynamics of hydrous thermalâ€chemical plumes in oceanic subduction zones. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	112
514	The geochemistry of Archaean plagioclase-rich granites as a marker of source enrichment and depth of melting. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 35-50.	0.3	38
515	8.1.5.11 Serpentines and related silicates. Landolt-Bâˆšâˆ‚rnstein - Group III Condensed Matter, 2009, , 258-391.	0.0	0
516	Trace Element Partitioning in HPâ€“LT Metamorphic Assemblages during Subduction-related Metamorphism, Ile de Groix, France: a Detailed LA-ICPMS Study. Journal of Petrology, 2009, 50, 1107-1148.	1.1	83
517	Seismotectonics beneath the Tokyo metropolitan area, Japan: Effect of slabâ€slab contact and overlap on seismicity. Journal of Geophysical Research, 2009, 114, .	3.3	163
518	Tomography of the westernmost Ryukyu subduction zone and the serpentinization of the foreâ€arc mantle. Journal of Geophysical Research, 2009, 114, .	3.3	49
519	Seismic evidence for thermallyâ€controlled dehydration reaction in subducting oceanic crust. Geophysical Research Letters, 2009, 36, .	1.5	78
520	Waterâ€induced convection in the Earth's mantle transition zone. Journal of Geophysical Research, 2009, 114, .	3.3	62
521	Determination of the pore fluid pressure ratio at seismogenic megathrusts in subduction zones: Implications for strength of asperities and Andeanâ€type mountain building. Journal of Geophysical Research, 2009, 114, .	3.3	84
522	Origins of chemical diversity of backâ€arc basin basalts: A segmentâ€scale study of the Eastern Lau Spreading Center. Journal of Geophysical Research, 2009, 114, .	3.3	76
523	Polyphase formation and exhumation of highâ€to ultrahighâ€pressure rocks in continental subduction zone: Numerical modeling and application to the Sulu ultrahighâ€pressure terrane in eastern China. Journal of Geophysical Research, 2009, 114, .	3.3	66
524	Magmatic processes in the Alaska subduction zone by combined 3â€Ð b value imaging and targeted seismic tomography. Journal of Geophysical Research, 2009, 114, .	3.3	27
525	Beginning of the Apennine subduction system in central western Mediterranean: Constraints from Cenozoic â€œorogenicâ€magmatic activity of Sardinia, Italy. Tectonics, 2009, 28, .	1.3	96
526	Experimental constraints on rutile saturation during partial melting of metabasalt at the amphibolite to eclogite transition, with applications to TTG genesis. American Mineralogist, 2009, 94, 1175-1186.	0.9	86
527	Slab-derived Fluid and Magma Generation in Subduction Zones. Journal of Geography (Chigaku Zasshi), 2010, 119, 1054-1062.	0.1	6
528	Computer modeling of granite gneiss diapirism in the Earthâ€™s crust: Controlling factors, duration, and temperature regime. Petrology, 2010, 18, 432-446.	0.2	14
529	Atomistic model of diopside-K-jadeite (CaMgSi2O6-KAlSi2O6) solid solution. Petrology, 2010, 18, 447-459.	0.2	3
530	An experimental investigation of antigorite dehydration in natural silica-enriched serpentinite. Contributions To Mineralogy and Petrology, 2010, 159, 25-42.	1.2	110

#	Article	IF	Citations
531	Hydrous peridotites with Ti-rich chromian spinel as a low-temperature forearc mantle facies: evidence from the Happo-Oâ€™ne metaperidotites (Japan). Contributions To Mineralogy and Petrology, 2010, 159, 137-157.	1.2	62
532	Mafic Late Mioceneâ€“Quaternary volcanic rocks in the Kamchatka back arc region: implications for subduction geometry and slab history at the Pacificâ€“Aleutian junction. Contributions To Mineralogy and Petrology, 2010, 159, 659-687.	1.2	50
533	Antigorite equation of state and anomalous softening at 6 GPa: an in situ single-crystal X-ray diffraction study. Contributions To Mineralogy and Petrology, 2010, 160, 33-43.	1.2	41
534	Subduction styles in the Precambrian: Insight from numerical experiments. Lithos, 2010, 116, 209-229.	0.6	351
535	Geochemical characteristics of the RÃo Verde Complex, Central Hispaniola: Implications for the paleotectonic reconstruction of the Lower Cretaceous Caribbean island-arc. Lithos, 2010, 114, 168-185.	0.6	43
536	Trace elements in zircon and coexisting minerals from low-T/UHP metagranite in the Dabie orogen: Implications for action of supercritical fluid during continental subduction-zone metamorphism. Lithos, 2010, 114, 385-412.	0.6	122
537	Amphibole and phlogopite in â€œhybridâ€•metasomatic bands monitor trace element transfer at the interface between felsic and ultramafic rocks (Eastern Alps, Italy). Lithos, 2010, 117, 135-148.	0.6	28
538	Mantle wedge peridotites: Fossil reservoirs of deep subduction zone processes. Lithos, 2010, 120, 186-201.	0.6	67
539	New occurrence of UHP eclogites in Limousin (French Massif Central): Age, tectonic setting and fluidâ€“rock interactions. Lithos, 2010, 118, 365-382.	0.6	66
540	Initial water budget: The key to detaching large volumes of eclogitized oceanic crust along the subduction channel?. Lithos, 2010, 120, 453-474.	0.6	98
541	Fluid flow during unbending: Implications for slab hydration, intermediate-depth earthquakes and deep fluid subduction. Tectonophysics, 2010, 494, 149-154.	0.9	17
542	Elasticity of glaucophane, seismic velocities and anisotropy of the subducted oceanic crust. Tectonophysics, 2010, 494, 201-210.	0.9	67
543	Influence of tectonic overpressure on Pâ€“T paths of HPâ€“UHP rocks in continental collision zones: thermomechanical modelling. Journal of Metamorphic Geology, 2010, 28, 227-247.	1.6	118
544	Seismic evidence for fluids in fault zones on top of the subducting Cocos Plate beneath Costa Rica. Geophysical Journal International, 2010, , .	1.0	5
545	Electron backâ€scattering diffraction (EBSD) measurements of antigorite latticeâ€preferred orientations (LPO). Journal of Microscopy, 2010, 239, 245-248.	0.8	27
546	Melting above the anhydrous solidus controls the location of volcanic arcs. Nature, 2010, 467, 700-703.	13.7	163
547	Geophysical implications of Izuâ€“Bonin mantle wedge hydration from chemical geodynamic modeling. Island Arc, 2010, 19, 134-150.	0.5	4
549	Orogens in the evolving Earth: from surface continents to â€˜lost continentsâ€™ at the coreâ€“mantle boundary. Geological Society Special Publication, 2010, 338, 77-116.	0.8	44

#	Article	IF	Citations
550	Numerical modelling of spontaneous slab breakoff dynamics during continental collision. Geological Society Special Publication, 2010, 332, 99-114.	0.8	40
551	The structure of a super-aluminous version of the dense hydrous-magnesium silicate phase D. American Mineralogist, 2010, 95, 1113-1116.	0.9	24
552	Incorporation of Subducted Slab-derived Sediment and Fluid in Arc Magmas: B-Be-10Be-ÂNd Systematics of the Kurile Convergent Margin, Russia. Journal of Petrology, 2010, 51, 1761-1782.	1.1	27
553	Why are high-Mg# andesites widespread in the western Aleutians? A numerical model approach. Geology, 2010, 38, 583-586.	2.0	22
554	Prograde Pâ€“T Evolution of a Lawsonite Eclogite from the Monviso Meta-ophiolite (Western Alps): Dehydration and Redox Reactions during Subduction of Oceanic FeTi-oxide Gabbro. Journal of Petrology, 2010, 51, 2489-2514.	1.1	133
555	The role of mantle hydration in continental crust recycling in the wedge region. Geological Society Special Publication, 2010, 332, 149-172.	0.8	25
556	Potassium and uranium in the upper mantle controlled by Archean oceanic crust recycling. Geology, 2010, 38, 683-686.	2.0	14
557	Melting of the continental crust during orogenesis: the thermal, rheological, and compositional consequences of melt transport from lower to upper continental crustThis article is one of a selection of papers published in this Special Issue on the the theme Lithoprobeâ€”parameters, processes, and the evolution of a continent.. Canadian Journal of Earth Sciences, 2010, 47, 655-694.	0.6	137
558	Numerical simulations of an oceanâ€continent convergent system: Influence of subduction geometry and mantle wedge hydration on crustal recycling. Geochemistry, Geophysics, Geosystems, 2010, 11, .	1.0	32
559	Upper mantle electrical resistivity structure beneath the central Mariana subduction system. Geochemistry, Geophysics, Geosystems, 2010, 11, .	1.0	65
560	Anomalous seismic structure beneath the Klyuchevskoy Group, Kamchatka. Geophysical Research Letters, 2010, 37, .	1.5	15
561	Thermomechanical models for the dynamics and melting processes in the Mariana subduction system. Journal of Geophysical Research, 2010, 115, .	3.3	16
562	Nitrogen recycling in subducted oceanic lithosphere: The record in high- and ultrahigh-pressure metabasaltic rocks. Geochimica Et Cosmochimica Acta, 2010, 74, 1636-1652.	1.6	76
563	Trace-element mobilization during Ca-metasomatism along a major fluid conduit: Eclogitization of blueschist as a consequence of fluidâ€“rock interaction. Geochimica Et Cosmochimica Acta, 2010, 74, 1892-1922.	1.6	153
564	Elasticity of antigorite, seismic detection of serpentinites, and anisotropy in subduction zones. Earth and Planetary Science Letters, 2010, 289, 198-208.	1.8	147
565	Seawater-derived noble gases and halogens preserved in exhumed mantle wedge peridotite. Earth and Planetary Science Letters, 2010, 294, 163-172.	1.8	113
566	The solidus of carbonated eclogite in the system CaOâ€“Al2O3â€“MgOâ€“SiO2â€“Na2Oâ€“CO2 to 32 GPa and carbonatite liquid in the deep mantle. Earth and Planetary Science Letters, 2010, 295, 115-126.	1.8	99
567	Feedbacks between mantle hydration and hydrothermal convection at ocean spreading centers. Earth and Planetary Science Letters, 2010, 296, 34-44.	1.8	54

#	Article	IF	Citations
568	Fluid transfer into the wedge controlled by high-pressure hydrofracturing in the cold top-slab mantle. Earth and Planetary Science Letters, 2010, 297, 271-286.	1.8	62
569	Volatile contents of mafic magmas from cinder cones in the Central Oregon High Cascades: Implications for magma formation and mantle conditions in a hot arc. Earth and Planetary Science Letters, 2010, 298, 153-161.	1.8	77
570	Spatial variations in antigorite fabric across a serpentinite subduction channel: Insights from the Ohmachi Seamount, Izu-Bonin frontal arc. Earth and Planetary Science Letters, 2010, 299, 196-206.	1.8	55
571	Thermoelastic properties of ice VII and its high-pressure polymorphs: Implications for dynamics of cold slab subduction in the lower mantle. Earth and Planetary Science Letters, 2010, 299, 474-482.	1.8	23
572	Mechanism and timing of Pb transport from subducted oceanic crust and sediment to the mantle source of arc lavas. Chemical Geology, 2010, 273, 46-54.	1.4	36
573	The global range of subduction zone thermal models. Physics of the Earth and Planetary Interiors, 2010, 183, 73-90.	0.7	1,375
574	P-wave velocity and anisotropy of lawsonite and epidote blueschists: Constraints on water transportation along subducting oceanic crust. Physics of the Earth and Planetary Interiors, 2010, 183, 219-228.	0.7	32
575	Metamorphic evolution of the Naga Hills eclogite and blueschist, Northeast India: implications for early subduction of the Indian plate under the Burma microplate. Journal of Metamorphic Geology, 2010, 28, 209-225.	1.6	67
576	The geochemistry of Archaean plagioclase-rich granites as a marker of source enrichment and depth of melting. , 2010, , .		2
577	The sanukitoid series: magmatism at the Archaeanâ€“Proterozoic transition. , 2010, , .		13
579	Fluid Migration above a Subducted Slabâ€”Constraints on Amount, Pathways and Major Element Mobility from Partially Overprinted Eclogite-facies Rocks (Sesia Zone, Western Alps). Journal of Petrology, 2011, 52, 457-486.	1.1	84
580	The Melting of Carbonated Pelites from 70 to 700â€‰km Depth. Journal of Petrology, 2011, 52, 765-789.	1.1	201
581	Seismic velocity in antigorite-bearing serpentinite mylonites. Geological Society Special Publication, 2011, 360, 97-112.	0.8	15
582	Insights into the mechanism of intermediate-depth earthquakes from source properties as imaged by back projection of multiple seismic phases. Journal of Geophysical Research, 2011, 116, .	3.3	48
583	Structure and serpentinization of the subducting Cocos plate offshore Nicaragua and Costa Rica. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	114
584	A sporadic low-velocity layer atop the western U.S. mantle transition zone and short-wavelength variations in transition zone discontinuities. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	40
585	Subduction of young oceanic plates: A numerical study with application to aborted thermal-chemical plumes. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	18
586	The effects of deep water cycling on planetary thermal evolution. Journal of Geophysical Research, 2011, 116, .	3.3	52

#	Article	IF	Citations
587	High abundances of noble gas and chlorine delivered to the mantle by serpentinite subduction. Nature Geoscience, 2011, 4, 807-812.	5.4	201
588	Trace Element and O-Isotope Composition of Polyphase Metamorphic Veins of the Ile de Groix (Armorican Massif, France). , 2011, , 243-291.		6
589	A stable (Li, O) and radiogenic (Sr, Nd) isotope perspective on metasomatic processes in a subducting slab. Chemical Geology, 2011, 281, 151-166.	1.4	70
590	Partitioning of Nb and Ta between rutile and felsic melt and the fractionation of Nb/Ta during partial melting of hydrous metabasalt. Geochimica Et Cosmochimica Acta, 2011, 75, 1673-1692.	1.6	143
591	Nitrogen isotopes in ophiolitic metagabbros: A re-evaluation of modern nitrogen fluxes in subduction zones and implication for the early Earth atmosphere. Geochimica Et Cosmochimica Acta, 2011, 75, 7502-7521.	1.6	114
592	Flat versus steep subduction: Contrasting modes for the formation and exhumation of high- to ultrahigh-pressure rocks in continental collision zones. Earth and Planetary Science Letters, 2011, 301, 65-77.	1.8	96
593	Deep melting of old subducted oceanic crust recorded by superchondritic Nb/Ta in modern island arc lavas. Earth and Planetary Science Letters, 2011, 301, 265-274.	1.8	59
594	Decarbonation efficiency in subduction zones: Implications for warm Cretaceous climates. Earth and Planetary Science Letters, 2011, 303, 143-152.	1.8	86
595	Thermodynamic forward modeling of progressive dehydration reactions during subduction of oceanic crust under greenschist facies conditions. Earth and Planetary Science Letters, 2011, 307, 9-18.	1.8	20
596	Electrical conductivity of the serpentinised mantle and fluid flow in subduction zones. Earth and Planetary Science Letters, 2011, 307, 387-394.	1.8	100
597	Dehydration of subducting serpentinite: Implications for halogen mobility in subduction zones and the deep halogen cycle. Earth and Planetary Science Letters, 2011, 308, 65-76.	1.8	176
599	Intra-oceanic Subduction Zones. Frontiers in Earth Sciences, 2011, , 23-51.	0.1	38
600	Future directions in subduction modeling. Journal of Geodynamics, 2011, 52, 344-378.	0.7	227
601	Calc-alkaline rear-arc magmatism in the Fuegian Andes: Implications for the mid-cretaceous tectonomagmatic evolution of southernmost South America. Journal of South American Earth Sciences, 2011, 31, 1-16.	0.6	27
602	Petrology and geochemistry of UHP-metamorphosed ultramaficâ€“mafic rocks from the main hole of the Chinese Continental Scientific Drilling Project (CCSD-MH), China: Fluid/melt-rock interaction. Journal of Asian Earth Sciences, 2011, 42, 661-683.	1.0	18
603	Fluidâ€“rock interactions during UHP metamorphism: A review of the Dabieâ€“Sulu orogen, east-central China. Journal of Asian Earth Sciences, 2011, 42, 316-329.	1.0	34
604	Petrology and SHRIMP Uâ€“Pb dating of Xitieshan eclogite, North Qaidam UHP metamorphic belt, NW China. Journal of Asian Earth Sciences, 2011, 42, 752-767.	1.0	77
605	Lawsonite-bearing chloritoidâ€“glaucophane schist from SW Tianshan, China: Phase equilibria and Pâ€“T path. Journal of Asian Earth Sciences, 2011, 42, 684-693.	1.0	40

#	Article	IF	Citations
606	Seismic tomography and anisotropy in the source area of the 2008 Iwateâ€“Miyagi earthquake (M 7.2). Physics of the Earth and Planetary Interiors, 2011, 184, 172-185.	0.7	46
607	Influences of the buoyancy of partially molten rock on 3-D plume patterns and melt productivity above retreating slabs. Physics of the Earth and Planetary Interiors, 2011, 185, 112-121.	0.7	21
608	Physicochemical conditions for melting in the Earthâ€™s mantle containing a Câ€“Oâ€“H fluid (from) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	93
609	Internal and External Fluid Sources for Eclogite-facies Veins in the Monviso Meta-ophiolite, Western Alps: Implications for Fluid Flow in Subduction Zones. Journal of Petrology, 2011, 52, 1207-1236.	1.1	209
610	Fluid inclusions with high Li/B ratio in a quartz vein from the Besshi area of the Sambagawa metamorphic belt: implications for deep geofluid evolution. Journal of Mineralogical and Petrological Sciences, 2011, 106, 164-168.	0.4	5
611	Serpentinites act as sponges for fluidâ€mobile elements in abyssal and subduction zone environments. Terra Nova, 2011, 23, 171-178.	0.9	125
612	Geodynamic regimes of subduction under an active margin: effects of rheological weakening by fluids and melts. Journal of Metamorphic Geology, 2011, 29, 7-31.	1.6	270
613	Coexistence of lawsonite-bearing eclogite and blueschist: phase equilibria modelling of Alpine Corsica metabasalts and petrological evolution of subducting slabs. Journal of Metamorphic Geology, 2011, 29, 583-600.	1.6	100
614	Calculated phase equilibria for MORB compositions: a reappraisal of the metamorphic evolution of lawsonite eclogite. Journal of Metamorphic Geology, 2011, 29, 939-952.	1.6	120
615	Magmatic to hydrothermal metal fluxes in convergent and collided margins. Ore Geology Reviews, 2011, 40, 1-26.	1.1	599
616	The composite Archaean grey gneisses: Petrological significance, and evidence for a non-unique tectonic setting for Archaean crustal growth. Lithos, 2011, 123, 21-36.	0.6	515
617	Geochemistry and petrogenesis of high-K â€œsanukitoidsâ€•from the Bulai pluton, Central Limpopo Belt, South Africa: Implications for geodynamic changes at the Archaeanâ€“Proterozoic boundary. Lithos, 2011, 123, 73-91.	0.6	77
618	Tectonometamorphic evolution of the SamanÃ¡ complex, northern Hispaniola: Implications for the burial and exhumation of high-pressure rocks in a collisional accretionary wedge. Lithos, 2011, 125, 190-210.	0.6	39
619	Microxenoliths from the Slave craton: Archives of diamond formation along fluid conduits. Lithos, 2011, 126, 419-434.	0.6	36
620	Multistage growth of garnet in ultrahigh-pressure eclogite during continental collision in the Dabie orogen: Constrained by trace elements and Uâ€“Pb ages. Lithos, 2011, 127, 101-127.	0.6	42
621	Partial melting, fluid supercriticality and element mobility in ultrahigh-pressure metamorphic rocks during continental collision. Earth-Science Reviews, 2011, 107, 342-374.	4.0	315
622	â€œSIGMELTSâ€• A web portal for electrical conductivity calculations in geosciences. Computers and Geosciences, 2011, 37, 1450-1459.	2.0	114
623	Fluid-magmatic interaction between Glaucophane schist and olivine: Experimental modeling under the conditions of a thermal gradient. Doklady Earth Sciences, 2011, 437, 393-395.	0.2	3

#	Article	IF	Citations
624	Thermally activated proton hopping in lawsonite, the ferroelectric transition at 125 K, and the co-elastic phase transition at 270 K. Journal of Physics Condensed Matter, 2011, 23, 112208.	0.7	10
625	Nbâ€“Ta fractionation by partial melting at the titaniteâ€“rutile transition. Contributions To Mineralogy and Petrology, 2011, 161, 35-45.	1.2	104
626	The mobility of U and Th in subduction zone fluids: an indicator of oxygen fugacity and fluid salinity. Contributions To Mineralogy and Petrology, 2011, 161, 597-613.	1.2	76
627	Melting phase relation of nominally anhydrous, carbonated pelitic-eclogite at 2.5â€“3.0ÂGPa and deep cycling of sedimentary carbon. Contributions To Mineralogy and Petrology, 2011, 161, 743-763.	1.2	114
628	Fluids in the peridotiteâ€“water system up to 6ÂGPa and 800Â°C: new experimental constrains on dehydration reactions. Contributions To Mineralogy and Petrology, 2011, 161, 829-844.	1.2	54
629	Melting of carbonated pelites at 8â€“13ÂGPa: generating K-rich carbonatites for mantle metasomatism. Contributions To Mineralogy and Petrology, 2011, 162, 169-191.	1.2	97
630	Evolution of the East Philippine Arc: experimental constraints on magmatic phase relations and adakitic melt formation. Contributions To Mineralogy and Petrology, 2011, 162, 835-848.	1.2	17
631	The origin of high-Mg magmas in Mt Shasta and Medicine Lake volcanoes, Cascade Arc (California): higher and lower than mantle oxygen isotope signatures attributed to current and past subduction. Contributions To Mineralogy and Petrology, 2011, 162, 945-960.	1.2	31
632	Insights into the origin of primitive silica-undersaturated arc magmas of Aoba volcano (Vanuatu arc). Contributions To Mineralogy and Petrology, 2011, 162, 995-1009.	1.2	38
633	Adakitic rocks and destruction of the North China Craton: Evidence from experimental petrology and geochemistry. Science China Earth Sciences, 2011, 54, 858-870.	2.3	60
634	Comparative in situ X-ray diffraction study of San Carlos olivine: Influence of water on the 410 km seismic velocity jump in Earth's mantle. American Mineralogist, 2011, 96, 697-702.	0.9	10
635	A Reappraisal of Redox Melting in the Earthâ€™s Mantle as a Function of Tectonic Setting and Time. Journal of Petrology, 2011, 52, 1363-1391.	1.1	242
636	Potassium-bearing clinopyroxene: a review of experimental, crystal chemical and thermodynamic data with petrological applications. Mineralogical Magazine, 2011, 75, 2467-2484.	0.6	14
637	The Petrology and Geochemistry of St. Helena Alkali Basalts: Evaluation of the Oceanic Crust-recycling Model for HIMU OIB. Journal of Petrology, 2011, 52, 791-838.	1.1	125
638	Channelized fluids in subducted continental crust: constraints from Î´Dâ€“Î´18O of quartz and fluid inclusions in quartz veins from the Chinese Continental Scientific Drilling Project. International Geology Review, 2011, 53, 1443-1463.	1.1	2
640	Experimental Measurements of Trace Element Partitioning Between Lawsonite, Zoisite and Fluid and their Implication for the Composition of Arc Magmas. Journal of Petrology, 2011, 52, 1049-1075.	1.1	55
641	Contrasting settings of serpentinite bodies in the northwestern Zagros Suture Zone, Kurdistan Region, Iraq. Geological Magazine, 2011, 148, 819-837.	0.9	30
642	Metamorphic Record of High-pressure Dehydration of Antigorite Serpentinite to Chlorite Harzburgite in a Subduction Setting (Cerro del Almirez, Nevado-Filabride Complex, Southern Spain). Journal of Petrology, 2011, 52, 2047-2078.	1.1	147

#	Article	IF	Citations
643	Obliteration of olivine crystallographic preferred orientation patterns in subduction-related antigorite-bearing mantle peridotite: an example from the Higashiâ€“Akaishi body, SW Japan. Geological Society Special Publication, 2011, 360, 113-127.	0.8	12
644	Geological evidence and modeling of melt migration by porosity waves in the sub-arc mantle of Kohistan (Pakistan). Geology, 2011, 39, 1091-1094.	2.0	25
645	Improper ferroelectricity in lawsonite CaAl2Si2O7(OH)2Â·H2O: hysteresis and hydrogen ordering. Journal of Physics Condensed Matter, 2011, 23, 222202.	0.7	6
646	Hot lithosphere at Mount Isa: implications for Proterozoic tectonics and mineralisation. Australian Journal of Earth Sciences, 2011, 58, 875-886.	0.4	4
647	Title is missing!. , 2011, 7, 183.		84
648	Dynamics of interplate domain in subduction zones: influence of rheological parameters and subducting plate age. Solid Earth, 2012, 3, 467-488.	1.2	20
649	Temporal Evolution of a High-K Andesitic Magmatic System: Taranaki Volcano, New Zealand. Journal of Petrology, 2012, 53, 325-363.	1.1	26
650	Elemental and Isotopic Evidence for Granitoid Genesis From Deep-Seated Sources in the Coast Mountains Batholith, British Columbia. Journal of Petrology, 2012, 53, 1505-1536.	1.1	63
651	OH group behavior and pressure-induced amorphization of antigorite examined under high pressure and temperature using synchrotron infrared spectroscopy. American Mineralogist, 2012, 97, 134-142.	0.9	15
652	Crystal defects in dense hydrous magnesium silicate phase A deformed at high pressure: characterization by transmission electron microscopy. European Journal of Mineralogy, 2012, 24, 429-438.	0.4	5
653	Tracking halogens through the subduction cycle. Geology, 2012, 40, 1075-1078.	2.0	56
654	Episodic tremor and slow slip potentially linked to permeability contrasts at the Moho. Nature Geoscience, 2012, 5, 731-734.	5.4	110
655	Exsolution of Garnet and Clinopyroxene from High-Al Pyroxenes in Xugou Peridotite, Eastern China. Journal of Petrology, 2012, 53, 1477-1504.	1.1	15
656	Thermal structure and intermediate-depth seismicity in the Tohoku-Hokkaido subduction zones. Solid Earth, 2012, 3, 355-364.	1.2	36
659	The fate of fluids released from subducting slab in northern Cascadia. Solid Earth, 2012, 3, 121-129.	1.2	24
660	Dynamics of Geofluid Generation and Migration in Subduction Zones. Journal of Geography (Chigaku) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	6
661	Geodynamic evolution of the central and western Mediterranean: Tectonics vs. igneous petrology constraints. Tectonophysics, 2012, 579, 173-192.	0.9	355
662	Nbâ€“Ta fractionation induced by fluidâ€“rock interaction in subductionâ€zones: constraints from UHP eclogiteâ€and veinâ€hosted rutile from the Dabie orogen, Centralâ€Eastern China. Journal of Metamorphic Geology, 2012, 30, 821-842.	1.6	41

#	Article	IF	Citations
663	The Habutengsu metapelites and metagreywackes in western Tianshan, China: metamorphic evolution and tectonic implications. Journal of Metamorphic Geology, 2012, 30, 907-926.	1.6	56
664	Exhumation mechanisms of meltâ€bearing ultrahigh pressure crustal rocks during collision of spontaneously moving plates. Journal of Metamorphic Geology, 2012, 30, 927-955.	1.6	122
665	Seismic velocity structures of southern Italy from tomographic imaging of the Ionian slab and petrological inferences. Geophysical Journal International, 2012, 191, 751-764.	1.0	34
666	Separation of supercritical slab-fluids to form aqueous fluid and melt components in subduction zone magmatism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18695-18700.	3.3	88
667	Metamorphic chemical geodynamics in continental subduction zones. Chemical Geology, 2012, 328, 5-48.	1.4	488
668	Uptake of carbon and sulfur during seafloor serpentinization and the effects of subduction metamorphism in Ligurian peridotites. Chemical Geology, 2012, 322-323, 268-277.	1.4	45
669	Abiogenic methanogenesis during experimental komatiite serpentinization: Implications for the evolution of the early Precambrian atmosphere. Chemical Geology, 2012, 326-327, 102-112.	1.4	54
670	The dehydroxylation of serpentine group minerals. American Mineralogist, 2012, 97, 666-680.	0.9	56
671	Crustal growth at active continental margins: Numerical modeling. Physics of the Earth and Planetary Interiors, 2012, 192-193, 1-20.	0.7	131
672	How large is the subducted water flux? New constraints on mantle regassing rates. Earth and Planetary Science Letters, 2012, 317-318, 396-406.	1.8	98
673	Recycling of water, carbon, and sulfur during subduction of serpentinites: A stable isotope study of Cerro del Almirez, Spain. Earth and Planetary Science Letters, 2012, 327-328, 50-60.	1.8	153
674	Water storage and early hydrous melting of the Martian mantle. Earth and Planetary Science Letters, 2012, 333-334, 272-281.	1.8	12
675	Fluorine in nominally fluorine-free mantle minerals: Experimental partitioning of F between olivine, orthopyroxene and silicate melts with implications for magmatic processes. Earth and Planetary Science Letters, 2012, 337-338, 1-9.	1.8	87
676	The elasticity of lawsonite at high pressure and the origin of low velocity layers in subduction zones. Earth and Planetary Science Letters, 2012, 349-350, 116-125.	1.8	35
677	Evidence for channelized external fluid flow and element transfer in subducting slabs (Raspas) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	1.4	47
678	Using garnet to constrain the duration and rate of water-releasing metamorphic reactions during subduction: An example from Sifnos, Greece. Chemical Geology, 2012, 314-317, 9-22.	1.4	126
679	Water-present eclogite melting to produce Earth's early felsic crust. Chemical Geology, 2012, 314-317, 83-95.	1.4	76
680	Chalcophile and siderophile elements in sulphide inclusions in eclogitic diamonds and metal cycling in a Paleoproterozoic subduction zone. Geochimica Et Cosmochimica Acta, 2012, 93, 278-299.	1.6	29

#	Article	IF	Citations
681	Fluid flow during slab unbending and dehydration: Implications for intermediateâ€depth seismicity, slab weakening and deep water recycling. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	146
682	Phanerozoic volcanism. , 2012, , 40-74.		1
683	Volcanic arcs fed by rapid pulsed fluid flow through subducting slabs. Nature Geoscience, 2012, 5, 489-492.	5.4	249
684	Global variations in H₂O/Ce: 2. Relationships to arc magma geochemistry and volatile fluxes. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	95
685	Global variations in H₂O/Ce: 1. Slab surface temperatures beneath volcanic arcs. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	122
686	A free plate surface and weak oceanic crust produce singleâ€sided subduction on Earth. Geophysical Research Letters, 2012, 39, .	1.5	147
687	Anorogenic plateau formation: The importance of density changes in the lithosphere. Journal of Geophysical Research, 2012, 117, .	3.3	10
688	Foreâ€arc deformation at the transition between collision and subduction: Insights from 3â€D thermomechanical laboratory experiments. Tectonics, 2012, 31, .	1.3	25
689	The sources of volatile and fluidâ€mobile elements in the Sunda arc: A melt inclusion study from Kawah Ijen and Tambora volcanoes, Indonesia. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	23
690	The role of frictional strength on plate coupling at the subduction interface. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	36
691	Controls of faulting and reaction kinetics on serpentinization and double Benioff zones. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	50
692	Elasticity of phase D and implication for the degree of hydration of deep subducted slabs. Geophysical Research Letters, 2012, 39, .	1.5	27
693	Delamination in collisional orogens: Thermomechanical modeling. Journal of Geophysical Research, 2012, 117, .	3.3	111
694	Mantle flow, volatiles, slabâ€surface temperatures and melting dynamics in the north Tonga arcâ€“Lau backâ€arc basin. Journal of Geophysical Research, 2012, 117, .	3.3	18
695	Effect of fluid circulation on subduction interface tectonic processes: Insights from thermo-mechanical numerical modelling. Earth and Planetary Science Letters, 2012, 357-358, 238-248.	1.8	87
696	Constraining sediment subduction: A converted phase study of the Aleutians and Marianas. Earth and Planetary Science Letters, 2012, 359-360, 141-151.	1.8	14
697	Bimodal behavior of extended continental lithosphere: Modeling insight and application to thermal history of migmatitic core complexes. Tectonophysics, 2012, 579, 88-103.	0.9	35
698	The formation of the Dabaoshan porphyry molybdenum deposit induced by slab rollback. Lithos, 2012, 150, 101-110.	0.6	183

#	Article	IF	Citations
699	Trace-element transport during subduction-zone ultrahigh-pressure metamorphism: Evidence from western Tianshan, China. Bulletin of the Geological Society of America, 2012, 124, 1113-1129.	1.6	42
700	Review of melting experiments on carbonated eclogite and peridotite: insights into mantle metasomatism. International Geology Review, 2012, 54, 1443-1455.	1.1	1
701	Arc magmas sourced from mÃ©lange diapirs in subduction zones. Nature Geoscience, 2012, 5, 862-867.	5.4	428
703	Sources of volatiles for a subduction zone volcano: Mutnovsky volcano, Kamchatka. Geochemistry International, 2012, 50, 502-521.	0.2	8
704	The Role of H₂O in Subduction Zone Magmatism. Annual Review of Earth and Planetary Sciences, 2012, 40, 413-439.	4.6	472
705	The beginnings of hydrous mantle wedge melting. Contributions To Mineralogy and Petrology, 2012, 163, 669-688.	1.2	156
706	Trace element and Pbâ€“Bâ€“Li isotope systematics of olivine-hosted melt inclusions: insights into source metasomatism beneath Stromboli (southern Italy). Contributions To Mineralogy and Petrology, 2012, 163, 1011-1031.	1.2	27
707	Metamorphic evolution of lawsonite eclogites from the southern Motagua fault zone, Guatemala: insights from phase equilibria and Raman spectroscopy. Journal of Metamorphic Geology, 2012, 30, 143-164.	1.6	35
708	Dehydration melting of ultrahighâ€pressure eclogite in the Dabie orogen: evidence from multiphase solid inclusions in garnet. Journal of Metamorphic Geology, 2012, 30, 193-212.	1.6	104
709	Volcanic arcs as archives of plate tectonic change. Gondwana Research, 2012, 21, 495-516.	3.0	70
710	Formation of metamorphic and metamorphosed garnets in the low-T/UHP metagranite during continental collision in the Dabie orogen. Lithos, 2012, 136-139, 73-92.	0.6	23
711	Fluidâ€“rock interaction and element mobilization in UHP metabasalt: Constraints from an omphaciteâ€“epidote vein and host eclogites in the Dabie orogen. Lithos, 2012, 136-139, 145-167.	0.6	68
712	Role of crustal and slab components in the Northern Volcanic Zone of the Andes (Ecuador) constrained by Srâ€“Ndâ€“O isotopes. Lithos, 2012, 132-133, 180-192.	0.6	42
713	Intraoceanic subduction of â€œheterogeneousâ€•oceanic lithosphere in narrow basins: 2D numerical modeling. Lithos, 2012, 140-141, 234-251.	0.6	24
714	Initiation of Rayleighâ€“Taylor instabilities in intra-cratonic settings. Tectonophysics, 2012, 514-517, 146-155.	0.9	48
715	Native osmium from the Guli Massif, Northern Siberia, Russia. Mineralogy and Petrology, 2012, 104, 115-127.	0.4	10
716	Phase relations of phlogopite with magnesite from 4 to 8ÂGPa. Contributions To Mineralogy and Petrology, 2012, 163, 467-481.	1.2	30
717	Deformation fabrics of natural blueschists and implications for seismic anisotropy in subducting oceanic crust. Physics of the Earth and Planetary Interiors, 2013, 222, 8-21.	0.7	33

#	Article	IF	Citations
718	The end of continental growth by TTG magmatism. Terra Nova, 2013, 25, 130-136.	0.9	21
719	Hydration and dehydration in the lower margin of a cold mantle wedge: implications for crustâ€“mantle interactions and petrogeneses of arc magmas. International Geology Review, 2013, 55, 1506-1522.	1.1	22
720	Geochemistry of subduction zone serpentinites: A review. Lithos, 2013, 178, 96-127.	0.6	514
721	Determining the composition of Câ€“Hâ€“O liquids following high-pressure and high-temperature diamond-trap experiments. Contributions To Mineralogy and Petrology, 2013, 165, 593-599.	1.2	7
722	Insights into the Pâ€“T evolution path of Tso Morari eclogites of the north-western Himalayas: Constraints on the geodynamic evolution of the region. Journal of Earth System Science, 2013, 122, 677-698.	0.6	11
723	The role of amphiboles in the metamorphic evolution of the UHP rocks: a case study from the Tso Morari Complex, northwest Himalayas. International Journal of Earth Sciences, 2013, 102, 2137-2152.	0.9	8
724	Deep Fluids in Subducted Continental Crust. Elements, 2013, 9, 281-287.	0.5	159
725	Evidence for deep subduction of Austroalpine crust (Texel Complex, NE Italy). Rendiconti Lincei, 2013, 24, 163-176.	1.0	10
726	Experimental simulation of orthopyroxene enrichment and carbonation in the suprasubduction mantle under the influence of H2O, CO2, and SiO2. Geochemistry International, 2013, 51, 257-268.	0.2	9
727	CONSTRAINTS ON SUBDUCTION GEODYNAMICS FROM SEISMIC ANISOTROPY. Reviews of Geophysics, 2013, 51, 76-112.	9.0	165
728	Intracratonic geodynamics. Gondwana Research, 2013, 24, 838-848.	3.0	44
729	Nature and distribution of slabâ€derived fluids and mantle sources beneath the Southeast Mariana forearc rift. Geochemistry, Geophysics, Geosystems, 2013, 14, 4585-4607.	1.0	58
730	Along-strike variation in subducting plate seismicity and mantle wedge attenuation related to fluid release beneath the North Island, New Zealand. Physics of the Earth and Planetary Interiors, 2013, 225, 12-27.	0.7	21
731	The Supply of Heat to Mid-Ocean Ridges by Crystallization and Cooling of Mantle Melts. Geophysical Monograph Series, 0, , 45-73.	0.1	3
732	Nominally Anhydrous Minerals and Earth's Deep Water Cycle. Geophysical Monograph Series, 0, , 1-11.	0.1	48
733	Seismological Constraints on Earth's Deep Water Cycle. Geophysical Monograph Series, 0, , 13-27.	0.1	8
734	Phase Relations of Hydrous Peridotite: Implications for Water Circulation in the Earth's Mantle. Geophysical Monograph Series, 2013, , 29-43.	0.1	9
735	Implications of Subduction Rehydration for Earth's Deep Water Cycle. Geophysical Monograph Series, 2013, , 263-276.	0.1	15

#	Article	IF	Citations
736	Subduction zone fluxes of halogens and noble gases in seafloor and forearc serpentinites. Earth and Planetary Science Letters, 2013, 365, 86-96.	1.8	137
737	Hydration adjacent to a deeply subducting slab: The roles of nominally anhydrous minerals and migrating fluids. Journal of Geophysical Research: Solid Earth, 2013, 118, 5753-5770.	1.4	17
738	Thermodynamic properties of aqueous NaCl solutions to 1073 K and 4.5 GPa, and implications for dehydration reactions in subducting slabs. Geochimica Et Cosmochimica Acta, 2013, 121, 263-290.	1.6	36
739	Fluid-mediated metal transport in subduction zones and its link to arc-related giant ore deposits: Constraints from a sulfide-bearing HP vein in lawsonite eclogite (Tianshan, China). Geochimica Et Cosmochimica Acta, 2013, 120, 326-362.	1.6	86
740	High pressure phase relations of subducted volcaniclastic sediments from the west pacific and their implications for the geochemistry of Mariana arc magmas. Chemical Geology, 2013, 342, 94-109.	1.4	33
741	A first-principles calculation of the elastic and vibrational anomalies of lizardite under pressure. American Mineralogist, 2013, 98, 2046-2052.	0.9	16
742	Fourâ€dimensional numerical modeling of crustal growth at active continental margins. Journal of Geophysical Research: Solid Earth, 2013, 118, 4682-4698.	1.4	18
743	THERIAK_D: An addâ€on to implement equilibrium computations in geodynamic models. Geochemistry, Geophysics, Geosystems, 2013, 14, 4962-4967.	1.0	13
744	Origin and evolution of Cenozoic magmatism of Sardinia (Italy). A combined isotopic (Srâ€“Ndâ€“Pbâ€“Oâ€“Hfâ€“Os) and petrological view. Lithos, 2013, 180-181, 138-158.	0.6	51
745	Melting of dehydrated oceanic crust from the stagnant slab and of the hydrated mantle transition zone: Constraints from Cenozoic alkaline basalts in eastern China. Chemical Geology, 2013, 359, 32-48.	1.4	117
746	Metamorphic Pâ€“T paths and New Zircon Uâ€“Pb age data for garnetâ€“mica schist from the Wutai Group, North China Craton. Precambrian Research, 2013, 233, 282-296.	1.2	138
747	Oblique subduction modelling indicates along-trench tectonic transport of sediments. Nature Communications, 2013, 4, 2456.	5.8	35
748	First principles prediction of a new highâ€pressure phase of dense hydrous magnesium silicates in the lower mantle. Geophysical Research Letters, 2013, 40, 4570-4573.	1.5	78
749	Atomic structure and dehydration mechanism of amorphous silica: Insights from 29Si and 1H solid-state MAS NMR study of SiO2 nanoparticles. Geochimica Et Cosmochimica Acta, 2013, 120, 39-64.	1.6	62
750	Exhumation of oceanic eclogites: thermodynamic constraints on pressure, temperature, bulk composition and density. Journal of Metamorphic Geology, 2013, 31, 549-570.	1.6	56
751	Zr complexation in high pressure fluids and silicate melts and implications for the mobilization of HFSE in subduction zones. Geochimica Et Cosmochimica Acta, 2013, 104, 281-299.	1.6	66
752	Experimental modeling of mantle metasomatism coupled with eclogitization of crustal material in a subduction zone. Petrology, 2013, 21, 579-598.	0.2	18
753	Element mobility from seafloor serpentinization to high-pressure dehydration of antigorite in subducted serpentinite: Insights from the Cerro del Almirez ultramafic massif (southern Spain). Lithos, 2013, 178, 128-142.	0.6	54

#	Article	IF	Citations
754	The origin and response of zircon in eclogite to metamorphism during the multi-stage evolution of the Huwan Shear Zone, China: Insights from Luâ€“Hf and Uâ€“Pb isotopic and trace element geochemistry. Gondwana Research, 2013, 23, 726-747.	3.0	27
755	Subduction of lithospheric upper mantle recorded by solid phase inclusions and compositional zoning in garnet: Example from the Bohemian Massif. Gondwana Research, 2013, 23, 944-955.	3.0	40
756	Polyphase inclusions in the Shuanghe UHP eclogites formed by subsolidus transformation and incipient melting during exhumation of deeply subducted crust. Lithos, 2013, 177, 91-109.	0.6	55
757	Thermalâ€“petrological controls on the location of earthquakes within subducting plates. Earth and Planetary Science Letters, 2013, 369-370, 178-187.	1.8	145
758	Shear wave anisotropy in textured phase D and constraints on deep water recycling in subduction zones. Earth and Planetary Science Letters, 2013, 377-378, 13-22.	1.8	17
759	The influence of hydrous phases on the microstructure and seismic properties of a hydrated mantle rock. Tectonophysics, 2013, 594, 103-117.	0.9	26
760	Tschermak's substitution in antigorite and consequences for phase relations and water liberation in high-grade serpentinites. Lithos, 2013, 178, 186-196.	0.6	153
761	The hydrogen isotopic composition and water content of southern Pacific MORB: A reassessment of the D/H ratio of the depleted mantle reservoir. Earth and Planetary Science Letters, 2013, 381, 156-165.	1.8	78
762	Rheology of the plate interface â€” Dissolution precipitation creep in high pressure metamorphic rocks. Tectonophysics, 2013, 608, 1-29.	0.9	81
763	The signature of devolatisation: Extraneous 40Ar systematics in high-pressure metamorphic rocks. Geochimica Et Cosmochimica Acta, 2013, 113, 94-112.	1.6	34
764	Complex slab structure and arc magmatism beneath the Japanese Islands. Journal of Asian Earth Sciences, 2013, 78, 277-290.	1.0	26
765	Palaeoproterozoic porphyry Cuâ€“Au, intrusion-hosted Au and ultramafic Cuâ€“Ni deposits in the Fennoscandian Shield: Temporal constraints using Uâ€“Pb geochronology. Lithos, 2013, 174, 236-254.	0.6	11
766	Relationship between Kamen Volcano and the Klyuchevskaya group of volcanoes (Kamchatka). Journal of Volcanology and Geothermal Research, 2013, 263, 3-21.	0.8	24
767	Element mobility during continental collision: insights from polymineralic metamorphic vein within UHP eclogite in the Dabie orogen. Journal of Metamorphic Geology, 2013, 31, 221-241.	1.6	27
768	Mafic injection as a trigger for felsic magmatism: A numerical study. Geochemistry, Geophysics, Geosystems, 2013, 14, 1910-1928.	1.0	49
772	Metamorphism of ultrahighâ€pressure eclogites from the Kebuerte Valley, South Tianshan, NW China: phase equilibria and Pâ€“T path. Journal of Metamorphic Geology, 2013, 31, 281-300.	1.6	73
773	Element recycling from subducting slabs to arc crust: A review. Lithos, 2013, 170-171, 208-223.	0.6	442
774	Late Neoarchean potassic high Baâ€“Sr granites in the Taishan graniteâ€“greenstone terrane: Petrogenesis and implications for continental crustal evolution. Chemical Geology, 2013, 344, 23-41.	1.4	75

#	Article	IF	Citations
775	Numerical modeling of geochemical variations caused by crustal relamination. Geochemistry, Geophysics, Geosystems, 2013, 14, 470-487.	1.0	58
776	Differentiated Planetesimals and the Parent Bodies of Chondrites. Annual Review of Earth and Planetary Sciences, 2013, 41, 529-560.	4.6	118
777	Contrasting exhumation Pâ€“T paths followed by high-P rocks in the northern Caribbean subductionâ€“accretionary complex: Insights from the structural geology, microtextures and equilibrium assemblage diagrams. Lithos, 2013, 160-161, 117-144.	0.6	25
778	Generation of adakites in a cold subduction zone due to double subducting plates. Contributions To Mineralogy and Petrology, 2013, 165, 1107-1134.	1.2	265
779	Garnet growth as a proxy for progressive subduction zone dehydration. Geology, 2013, 41, 643-646.	2.0	70
780	Serpentine in active subduction zones. Lithos, 2013, 178, 171-185.	0.6	179
781	The volcanic response to deglaciation: Evidence from glaciated arcs and a reassessment of global eruption records. Earth-Science Reviews, 2013, 122, 77-102.	4.0	92
782	Metamorphic evolution of mediumâ€temperature ultraâ€high pressure (<scp>MT</scp>â€<scp>UHP</scp>) eclogites from the South Dabie orogen, Central China: an insight from phase equilibria modelling. Journal of Metamorphic Geology, 2013, 31, 755-774.	1.6	49
783	Metasomatism During High-Pressure Metamorphism: Eclogites and Blueschist-Facies Rocks. Lecture Notes in Earth System Sciences, 2013, , 351-413.	0.5	16
784	Were ancient granitoid compositions influenced by contemporaneous atmospheric and hydrosphere oxidation states?. Terra Nova, 2013, 25, 95-101.	0.9	16
785	Differentiation of the late-Archaean sanukitoid series and some implications for crustal growth: Insights from geochemical modelling on the Bulai pluton, Central Limpopo Belt, South Africa. Precambrian Research, 2013, 227, 186-203.	1.2	57
786	A potential method to confirm the previous existence of lawsonite in eclogite: the mass imbalance of Sr and <scp>LREE</scp>s in multistage epidote (<scp>G</scp>anghe, <scp>D</scp>abie <scp>UHP</scp>) Tj ETQq1 1 0.784314 rgBT	1.6	43
787	Fluid-present melting of sulfide-bearing ocean-crust: Experimental constraints on the transport of sulfur from subducting slab to mantle wedge. Geochimica Et Cosmochimica Acta, 2013, 110, 106-134.	1.6	74
788	Electrical conductivity of dense hydrous magnesium silicates with implication for conductivity in the stagnant slab. Earth and Planetary Science Letters, 2013, 369-370, 239-247.	1.8	27
789	Vesuvianite in high-pressure-metamorphosed oceanic lithosphere (Raspas Complex, Ecuador) and its role for transport of water and trace elements in subduction zones. European Journal of Mineralogy, 2013, 25, 193-219.	0.4	9
790	Dehydration melting of UHP eclogite and paragneiss in the Dabie orogen: Evidence from laboratory experiment to natural observation. Science Bulletin, 2013, 58, 4390-4396.	1.7	6
791	Trace element and isotopic fingerprints in HPâ€“LT metamorphic rocks as a result of fluidâ€“rock interactions (Ile de Groix, France). Gondwana Research, 2013, 23, 880-900.	3.0	13
792	Transmission electron microscopy characterization of the dislocations and slip systems of the dense hydrous magnesium silicate superhydrous B. European Journal of Mineralogy, 2013, 25, 561-568.	0.4	3

#	Article	IF	Citations
793	An Experimental Study on COH-bearing Peridotite up to 3Â·2 GPa and Implications for Crustâ€“Mantle Recycling. Journal of Petrology, 2013, 54, 453-479.	1.1	101
794	Experimental Constraints on Sulphur Behaviour in Subduction Zones: Implications for TTG and Adakite Production and the Global Sulphur Cycle since the Archean. Journal of Petrology, 2013, 54, 183-213.	1.1	42
795	Modification of the Continental Crust by Subduction Zone Magmatism and Vice-Versa: Across-Strike Geochemical Variations of Silicic Lavas from Individual Eruptive Centers in the Andean Central Volcanic Zone. Geosciences (Switzerland), 2013, 3, 633-667.	1.0	24
796	The Felsic Vein within the Garnet Pyroxenite from Shenglikou, North Qaidam: Episodic Fluid Flow During the Exhumation of the Rock. Acta Geologica Sinica, 2013, 87, 439-534.	0.8	0
798	How wide is the seismogenic zone of the Lesser Antilles forearc?. Bulletin - Societie Geologique De France, 2013, 184, 47-59.	0.9	8
799	Overriding plate structure of the Nicaragua convergent margin: Relationship to the seismogenic zone of the 1992 tsunami earthquake. Geochemistry, Geophysics, Geosystems, 2013, 14, 3436-3461.	1.0	29
800	Seismic velocities, anisotropy, and shearâ€wave splitting of antigorite serpentinites and tectonic implications for subduction zones. Journal of Geophysical Research: Solid Earth, 2013, 118, 1015-1037.	1.4	64
801	Shear wave anisotropy beneath the volcanic front in South Kyushu area, Japan: Development of Câ€type olivine CPO under H₂Oâ€rich conditions. Journal of Geophysical Research: Solid Earth, 2013, 118, 4253-4264.	1.4	6
802	Arc magma compositions controlled by linked thermal and chemical gradients above the subducting slab. Geophysical Research Letters, 2013, 40, 2550-2556.	1.5	32
803	Sedimentâ€enriched adakitic magmas from the Daisen volcanic field, Southwest Japan. Geochemistry, Geophysics, Geosystems, 2013, 14, 3009-3031.	1.0	19
804	Whole Earth geohydrologic cycle, from the clouds to the core: The distribution of water in the dynamic Earth system. , 2013, , .		26
805	Singleâ€crystal equation of state of phase D to lower mantle pressures and the effect of hydration on the buoyancy of deep subducted slabs. Journal of Geophysical Research: Solid Earth, 2013, 118, 6124-6133.	1.4	17
806	Testing the effects of basic numerical implementations of water migration on models of subduction dynamics. Solid Earth, 2014, 5, 537-555.	1.2	12
807	Controls on segmentation and morphology along the backâ€arc Eastern Lau Spreading Center and Valu Fa Ridge. Journal of Geophysical Research: Solid Earth, 2014, 119, 1678-1700.	1.4	17
808	Fluid Origins, Thermal Regimes, and Fluid and Solute Fluxes in the Forearc of Subduction Zones. Developments in Marine Geology, 2014, 7, 671-733.	0.4	31
809	The Subduction-Zone Filter and the Impact of Recycled Materials on the Evolution of the Mantle. , 2014, , 479-508.		53
810	Redox effects on calcite-portlandite-fluid equilibria at forearc conditions: Carbon mobility, methanogenesis, and reduction melting of calcite. American Mineralogist, 2014, 99, 1604-1615.	0.9	18
811	WATER CYCLING BETWEEN OCEAN AND MANTLE: SUPER-EARTHS NEED NOT BE WATERWORLDS. Astrophysical Journal, 2014, 781, 27.	1.6	84

#	Article	IF	Citations
812	Petrofabrics of high-pressure rocks exhumed at the slab-mantle interface from the â€œpoint of no returnâ€•in a subduction zone (Sivrihisar, Turkey). Tectonics, 2014, 33, 2315-2341.	1.3	33
813	Lead transport in intra-oceanic subduction zones: 2D geochemicalâ€“thermo-mechanical modeling of isotopic signatures. Lithos, 2014, 208-209, 265-280.	0.6	32
814	Variations in Fe3+/â^‘Fe of Mariana Arc Basalts and Mantle Wedge fO2. Journal of Petrology, 2014, 55, 2513-2536.	1.1	191
815	One View of the Geochemistry of Subduction-Related Magmatic Arcs, with an Emphasis on Primitive Andesite and Lower Crust. , 2014, , 749-806.		136
816	An introduction to orogenic andesites and crustal growth. Geological Society Special Publication, 2014, 385, 1-13.	0.8	38
817	Partial melting of deeply subducted eclogite from the Sulu orogen in China. Nature Communications, 2014, 5, 5604.	5.8	132
818	Subduction of Continental Crust to Mantle Depth. , 2014, , 309-340.		88
819	Volatile (F and Cl) concentrations in Iwate olivine-hosted melt inclusions indicating low-temperature subduction. Earth, Planets and Space, 2014, 66, 81.	0.9	31
820	Geochemistry of continental subduction-zone fluids. Earth, Planets and Space, 2014, 66, 93.	0.9	205
821	Contrasting styles of Phanerozoic and Precambrian continental collision. Gondwana Research, 2014, 25, 522-545.	3.0	244
822	Multiphase solid inclusions in zoisite-bearing eclogite: evidence for partial melting of ultrahigh-pressure metamorphic rocks during continental collision. Lithos, 2014, 200-201, 1-21.	0.6	41
823	Electrical conductivity of stishovite as a function of water content. Physics of the Earth and Planetary Interiors, 2014, 227, 48-54.	0.7	14
824	Metamorphism and melting of picritic crust in the early Earth. Lithos, 2014, 189, 173-184.	0.6	30
825	Nitrogen recycling in subducted mantle rocks and implications for the global nitrogen cycle. International Journal of Earth Sciences, 2014, 103, 2081-2099.	0.9	68
826	Interpretation of Magnetotelluric Results Using Laboratory Measurements. Surveys in Geophysics, 2014, 35, 41-84.	2.1	74
827	Constraining input and output fluxes of the southern-central Chile subduction zone: water, chlorine and sulfur. International Journal of Earth Sciences, 2014, 103, 2129-2153.	0.9	14
828	Volatile (H2O, CO2, Cl, S) budget of the Central American subduction zone. International Journal of Earth Sciences, 2014, 103, 2101-2127.	0.9	38
829	Adakitic (tonalitic-trondhjemitic) magmas resulting from eclogite decompression and dehydration melting during exhumation in response to continental collision. Geochimica Et Cosmochimica Acta, 2014, 130, 42-62.	1.6	112

#	Article	IF	Citations
830	Prograde Sulfide Metamorphism in Blueschist and Eclogite, New Caledonia. Journal of Petrology, 2014, 55, 643-670.	1.1	15
831	Tectonic Controls on Early Mesozoic Paired Alkaline Porphyry Deposit Belts (Cu-Au Â Ag-Pt-Pd-Mo) Within the Canadian Cordillera. Economic Geology, 2014, 109, 827-858.	1.8	78
832	Short-term and localized plume-slab interaction explains the genesis of Abukuma adakite in Northeastern Japan. Earth and Planetary Science Letters, 2014, 396, 116-124.	1.8	16
833	From oceanic plateaus to allochthonous terranes: Numerical modelling. Gondwana Research, 2014, 25, 494-508.	3.0	82
834	Channelized Fluid Flow and Eclogite-facies Metasomatism along the Subduction Shear Zone. Journal of Petrology, 2014, 55, 883-916.	1.1	139
835	Trace element budgets and (re-)distribution during subduction-zone ultrahigh pressure metamorphism: Evidence from Western Tianshan, China. Chemical Geology, 2014, 365, 54-68.	1.4	21
836	The fate of magmas in planetesimals and the retention of primitive chondritic crusts. Earth and Planetary Science Letters, 2014, 390, 128-137.	1.8	48
837	The hydrous properties of subcontinental lithospheric mantle: Constraints from water content and hydrogen isotope composition of phenocrysts from Cenozoic continental basalt in North China. Geochimica Et Cosmochimica Acta, 2014, 143, 285-302.	1.6	27
838	Combined thermodynamicâ€“geochemical modeling in metamorphic geology: Boron as tracer of fluidâ€“rock interaction. Lithos, 2014, 208-209, 393-414.	0.6	70
839	Tracking flux melting and melt percolation in supra-subduction peridotites (Josephine ophiolite, USA). Contributions To Mineralogy and Petrology, 2014, 168, 1.	1.2	42
840	Paleozoic subduction erosion involving accretionary wedge sediments in the South Tianshan Orogen: Evidence from geochronological and geochemical studies on eclogites and their host metasediments. Lithos, 2014, 210-211, 89-110.	0.6	41
841	Metamorphic evolution of relict lawsoniteâ€bearing eclogites from the (U) HP metamorphic belt in the Chinese southwestern Tianshan. Journal of Metamorphic Geology, 2014, 32, 575-598.	1.6	54
842	Geochemical fingerprint of the primary magma composition in the marine tephras originated from the Baegdusan and Ulleung volcanoes. Journal of Asian Earth Sciences, 2014, 95, 266-273.	1.0	10
843	Relative impact of mantle densification and eclogitization of slabs on subduction dynamics: A numerical thermodynamic/thermokinematic investigation of metamorphic density evolution. Tectonophysics, 2014, 637, 20-29.	0.9	33
844	Oceanic- and continental-type metamorphic terranes: Occurrence and exhumation mechanisms. Earth-Science Reviews, 2014, 139, 33-46.	4.0	40
846	FTIR spectroscopy of Ti-chondrodite, Ti-clinohumite, and olivine in deeply subducted serpentinites and implications for the deep water cycle. Contributions To Mineralogy and Petrology, 2014, 167, 1.	1.2	25
847	Element signatures of subduction-zone fluids. An experimental study of the element partitioning (Dfluid/rock) of natural partly altered igneous rocks from the ODP drilling site 1,256. International Journal of Earth Sciences, 2014, 103, 1917-1927.	0.9	4
848	Geophysical assessment of migration and storage conditions of fluids in subduction zones. Earth, Planets and Space, 2014, 66, .	0.9	21

#	Article	IF	Citations
849	Acid compositions in a veined-lower mantle, as indicated by inclusions of (K,Na)-Hollandite + SiO2 in diamonds. Lithos, 2014, 196-197, 42-53.	0.6	5
850	Devolatilization During Subduction. , 2014, , 669-701.		194
851	Deep plate serpentinization triggers skinning of subducting slabs. Geology, 2014, 42, 723-726.	2.0	20
852	Petrology and Trace Element Budgets of High-pressure Peridotites Indicate Subduction Dehydration of Serpentinized Mantle (Cima di Gagnone, Central Alps, Switzerland). Journal of Petrology, 2014, 55, 459-498.	1.1	90
853	Effect of time-evolving age and convergence rate of the subducting plate on the Cenozoic adakites and boninites. Journal of Asian Earth Sciences, 2014, 95, 300-312.	1.0	5
854	Melting of phase D in the lower mantle and implications for recycling and storage of H 2 O in the deep mantle. Geochimica Et Cosmochimica Acta, 2014, 145, 72-88.	1.6	45
855	Constraints on the mobilization of Zr in magmatic-hydrothermal processes in subduction zones from in situ fluid-melt partitioning experiments. American Mineralogist, 2014, 99, 1616-1625.	0.9	24
856	Lawsonite blueschists and lawsonite eclogites as proxies for palaeoâ€subduction zone processes: a review. Journal of Metamorphic Geology, 2014, 32, 437-454.	1.6	166
857	Lawsonite geochemistry and stability â€“ implication for trace element and water cycles in subduction zones. Journal of Metamorphic Geology, 2014, 32, 455-478.	1.6	64
858	Experimental study of trace element release during ultrahigh-pressure serpentinite dehydration. Earth and Planetary Science Letters, 2014, 391, 296-306.	1.8	45
859	Chlorine stable isotope variations across the Quaternary volcanic arc of Ecuador. Earth and Planetary Science Letters, 2014, 396, 22-33.	1.8	33
860	238Uâ€“230Th equilibrium in arc magmas and implications for the time scales of mantle metasomatism. Earth and Planetary Science Letters, 2014, 391, 146-158.	1.8	18
861	Water in the slab: A trilogy. Tectonophysics, 2014, 614, 1-30.	0.9	153
862	Age constraints on late Mesozoic lithospheric extension and origin of bimodal volcanic rocks from the Hailar basin, NE China. Lithos, 2014, 190-191, 204-219.	0.6	43
863	Influence of lithospheric mantle stratification on craton extension: Insight from two-dimensional thermo-mechanical modeling. Tectonophysics, 2014, 631, 50-64.	0.9	57
864	Trench-parallel shortening in the forearc caused by subduction along a seaward-concave plate boundary: Insights from analogue modelling experiments. Tectonophysics, 2014, 611, 192-203.	0.9	14
865	Microstructures and petro-fabrics of lawsonite blueschist in the North Qilian suture zone, NW China: Implications for seismic anisotropy of subducting oceanic crust. Tectonophysics, 2014, 628, 140-157.	0.9	33
866	11B-rich fluids in subduction zones: The role of antigorite dehydration in subducting slabs and boron isotope heterogeneity in the mantle. Chemical Geology, 2014, 376, 20-30.	1.4	66

#	Article	IF	Citations
867	Metasomatic hydration of the Oeyama forearc peridotites: Tectonic implications. Lithos, 2014, 184-187, 346-360.	0.6	12
868	Elasticity of lawsonite and seismological signature of metamorphism and water cycling in the subducting oceanic crust. Journal of Metamorphic Geology, 2014, 32, 479-487.	1.6	16
869	Dating subductionâ€zone metamorphism with combined garnet and lawsonite Luâ€“Hf geochronology. Journal of Metamorphic Geology, 2014, 32, 515-533.	1.6	39
870	The Fate of Sulfur During Fluid-Present Melting of Subducting Basaltic Crust at Variable Oxygen Fugacity. Journal of Petrology, 2014, 55, 1019-1050.	1.1	73
871	Chapter 16 Pre-eruptive vapour and its role in controlling eruption style and longevity at SoufriÃ¨re Hills Volcano. Geological Society Memoir, 2014, 39, 291-315.	0.9	30
872	Syn-exhumation partial melting and melt segregation in the Sulu UHP terrane: Evidences from leucosome and pegmatitic vein of migmatite. Lithos, 2014, 202-203, 55-75.	0.6	33
873	Subduction-related halogens (Cl, Br and I) and H2O in magmatic glasses from Southwest Pacific Backarc Basins. Earth and Planetary Science Letters, 2014, 400, 165-176.	1.8	52
874	Geodynamic regimes of intra-oceanic subduction: Implications for arc extension vs. shortening processes. Gondwana Research, 2014, 25, 546-560.	3.0	43
875	Arima hot spring waters as a deep-seated brine from subducting slab. Earth, Planets and Space, 2014, 66, .	0.9	55
876	Sulfur isotope evolution in sulfide ores from Western Alps: Assessing the influence of subduction-related metamorphism. Geochemistry, Geophysics, Geosystems, 2014, 15, 3808-3829.	1.0	28
877	Unusually large shear wave anisotropy for chlorite in subduction zone settings. Geophysical Research Letters, 2014, 41, 1506-1513.	1.5	58
878	A systematic 2â€Ð investigation into the mantle wedge's transient flow regime and thermal structure: Complexities arising from a hydrated rheology and thermal buoyancy. Geochemistry, Geophysics, Geosystems, 2014, 15, 28-51.	1.0	30
879	Faulting within the Pacific plate at the Mariana Trench: Implications for plate interface coupling and subduction of hydrous minerals. Journal of Geophysical Research: Solid Earth, 2014, 119, 3076-3095.	1.4	38
880	Antigoriteâ€induced seismic anisotropy and implications for deformation in subduction zones and the Tibetan Plateau. Journal of Geophysical Research: Solid Earth, 2014, 119, 2068-2099.	1.4	31
881	Deep water recycling through time. Geochemistry, Geophysics, Geosystems, 2014, 15, 4203-4216.	1.0	59
882	Elemental transport upon hydration of basic schists during regional metamorphism: Geochemical evidence from the Sanbagawa metamorphic belt, Japan. Geochemical Journal, 2014, 48, 29-49.	0.5	18
883	Fluid/melt in continental deep subduction zones: Compositions and related geochemical fractionations. Science China Earth Sciences, 2015, 58, 1457-1476.	2.3	26
884	Effects of temporal plumeâ€“slab interaction on the partial melting of the subducted oceanic crust. Journal of Asian Earth Sciences, 2015, 113, 857-865.	1.0	1

#	Article	IF	Citations
885	Redox-variability and controls in subduction zones from an iron-isotope perspective. Earth and Planetary Science Letters, 2015, 432, 142-151.	1.8	74
886	Electrical image of subduction zone beneath northeastern Japan. Journal of Geophysical Research: Solid Earth, 2015, 120, 7937-7965.	1.4	21
887	Uâ€Pb dating of interspersed gabbroic magmatism and hydrothermal metamorphism during lower crustal accretion, Vema lithospheric section, Midâ€Atlantic Ridge. Journal of Geophysical Research: Solid Earth, 2015, 120, 2093-2118.	1.4	11
888	Tectonic slicing of subducting oceanic crust along plate interfaces: Numerical modeling. Geochemistry, Geophysics, Geosystems, 2015, 16, 3505-3531.	1.0	46
889	Coupling changes in densities and porosity to fluid pressure variations in reactive porous fluid flow: Local thermodynamic equilibrium. Geochemistry, Geophysics, Geosystems, 2015, 16, 4362-4387.	1.0	30
890	Electrical conductivity of lawsonite and dehydrating fluids at high pressures and temperatures. Geophysical Research Letters, 2015, 42, 7398-7405.	1.5	40
891	Background seismicity rate at subduction zones linked to slabâ€bendingâ€related hydration. Geophysical Research Letters, 2015, 42, 7081-7089.	1.5	19
892	Cascadia subducting plate fluids channelled to foreâ€arc mantle corner: ETS and silica deposition. Journal of Geophysical Research: Solid Earth, 2015, 120, 4344-4358.	1.4	101
893	Crystal structure, equation of state and elasticity of phase H (MgSiO4H2) at Earthâ€™s lower mantle pressures. Scientific Reports, 2015, 5, 15534.	1.6	26
894	Traces of Slab-derived Fluids Revealed by Halogens in Mantle-derived Rocks. Journal of Geography (Chigaku Zasshi), 2015, 124, 445-471.	0.1	3
895	Focusing of upward fluid migration beneath volcanic arcs: Effect of mineral grain size variation in the mantle wedge. Geochemistry, Geophysics, Geosystems, 2015, 16, 3905-3923.	1.0	26
896	Hydration of marginal basins and compositional variations within the continental lithospheric mantle inferred from a new global model of shear and compressional velocity. Journal of Geophysical Research: Solid Earth, 2015, 120, 7789-7813.	1.4	45
897	Tectonics and volcanism in East Asia: Insights from geophysical observations. Journal of Asian Earth Sciences, 2015, 113, 842-856.	1.0	16
898	Omphacite paradox in mantle peridotites. Russian Geology and Geophysics, 2015, 56, 1568-1577.	0.3	5
899	The effect of subduction on the sulphur, carbon and redox budget of lithospheric mantle. Journal of Metamorphic Geology, 2015, 33, 649-670.	1.6	51
900	What processes control the chemical compositions of arc front stratovolcanoes?. Geochemistry, Geophysics, Geosystems, 2015, 16, 1865-1893.	1.0	98
901	Parameters controlling dynamically selfâ€consistent plate tectonics and singleâ€sided subduction in global models of mantle convection. Journal of Geophysical Research: Solid Earth, 2015, 120, 3680-3706.	1.4	49
902	Experimental constraints on coesite abundances in eclogite and implications for the X seismic discontinuity. Journal of Geophysical Research: Solid Earth, 2015, 120, 4917-4930.	1.4	17

#	Article	IF	Citations
903	Water circulation and global mantle dynamics: Insight from numerical modeling. Geochemistry, Geophysics, Geosystems, 2015, 16, 1449-1464.	1.0	29
904	Early Cretaceous adakitic magmatism and tectonics in the Kitakami Mountains, Japan. Ganseki Kobutsu Kagaku, 2015, 44, 69-90.	0.1	13
905	Magmatism, mantle evolution and geodynamics at the converging plate margins of Italy. Journal of the Geological Society, 2015, 172, 407-427.	0.9	63
906	Subduction Zone Tomography. , 2015, , 55-95.		1
907	Post-collisional high-K calc-alkaline volcanism in Tengchong volcanic field, SE Tibet: constraints on Indian eastward subduction and slab detachment. Journal of the Geological Society, 2015, 172, 624-640.	0.9	37
908	Hydrous Phase Relations and Trace Element Partitioning Behaviour in Calcareous Sediments at Subduction-Zone Conditions. Journal of Petrology, 2015, 56, 953-980.	1.1	70
909	Residual water in hydrous minerals as a kinetic factor for omphacite destabilization into symplectite in the eclogites of VÃ¥rdalsneset (WGR, Norway). Lithos, 2015, 232, 162-173.	0.6	15
910	Material transportation and fluid-melt activity in the subduction channel: Numerical modeling. Science China Earth Sciences, 2015, 58, 1251-1268.	2.3	29
911	Multiscale Seismic Tomography. , 2015, , .		76
912	Origin of chemical and isotopic heterogeneity in a mafic, monogenetic volcanic field: A case study of the Lunar Crater Volcanic Field, Nevada. Chemical Geology, 2015, 397, 76-93.	1.4	27
913	Incoming plate faulting in the Northern and Western Pacific and implications for subduction zone water budgets. Earth and Planetary Science Letters, 2015, 414, 176-186.	1.8	36
914	Experimentally determined stability of alkali amphibole in metasomatised dunite at sub-arc pressures. Contributions To Mineralogy and Petrology, 2015, 169, 1.	1.2	78
915	The chemical behavior of fluids released during deep subduction based on fluid inclusions. American Mineralogist, 2015, 100, 352-377.	0.9	113
916	Temporal Evolution of the Mariana Arc: Mantle Wedge and Subducted Slab Controls Revealed with a Tephra Perspective. Journal of Petrology, 2015, 56, 409-439.	1.1	73
917	Volatiles in subduction zone magmatism. Geological Society Special Publication, 2015, 410, 1-17.	0.8	54
918	Degree of serpentinization in the forearc mantle wedge of Kyushu subduction zone: quantitative evaluations from seismic velocity. Marine Geophysical Researches, 2015, 36, 101-112.	0.5	5
919	Continentâ€Wide Maps ofLgCodaQfor North America and Their Relationship to Crustal Structure and Evolution. Bulletin of the Seismological Society of America, 2015, 105, 409-419.	1.1	16
920	The redox geodynamics linking basalts and their mantle sources through space and time. Chemical Geology, 2015, 418, 217-233.	1.4	95

#	Article	IF	Citations
921	Elasticity of superhydrous phase B, seismic anomalies in cold slabs and implications for deep water transport. Physics of the Earth and Planetary Interiors, 2015, 243, 30-43.	0.7	12
922	In situ study of the fractionation of hydrogen isotopes between aluminosilicate melts and coexisting aqueous fluids at high pressure and high temperature â€“ Implications for the ÎD in magmatic processes. Earth and Planetary Science Letters, 2015, 426, 158-166.	1.8	23
923	Crystal preferred orientation of an amphibole experimentally deformed by simple shear. Nature Communications, 2015, 6, 6586.	5.8	106
924	An Earthâ€“Moon silicon isotope model to track silicic magma origins. Geochimica Et Cosmochimica Acta, 2015, 167, 301-312.	1.6	31
925	Anatexis of ultrahigh-pressure eclogite during exhumation in the North Qaidam ultrahigh-pressure terrane: Constraints from petrology, zircon U-Pb dating, and geochemistry. Bulletin of the Geological Society of America, 2015, 127, 1290-1312.	1.6	50
926	Pulsed dehydration and garnet growth during subduction revealed by zoned garnet geochronology and thermodynamic modeling, Sifnos, Greece. Earth and Planetary Science Letters, 2015, 413, 111-122.	1.8	94
927	Dynamics of Subducting Slabs: Numerical Modeling and Constraints from Seismology, Geoid, Topography, Geochemistry, and Petrology. , 2015, , 339-391.		10
928	Water in the Evolution of the Earth and Other Terrestrial Planets. , 2015, , 105-144.		12
929	Light noble gas dissolution into ring structure-bearing materials and lattice influences on noble gas recycling. Geochimica Et Cosmochimica Acta, 2015, 159, 1-15.	1.6	27
930	Deformation mechanisms of antigorite serpentinite at subduction zone conditions determined from experimentally and naturally deformed rocks. Earth and Planetary Science Letters, 2015, 411, 229-240.	1.8	39
931	Ultramafic clasts from the South Chamorro serpentine mud volcano reveal a polyphase serpentinization history of the Mariana forearc mantle. Lithos, 2015, 227, 1-20.	0.6	31
932	Slab melting beneath the Cascade Arc driven by dehydration of altered oceanic peridotite. Nature Geoscience, 2015, 8, 404-408.	5.4	93
933	Anisotropic tomography of Hokkaido reveals delaminationâ€induced flow above a subducting slab. Journal of Geophysical Research: Solid Earth, 2015, 120, 3219-3239.	1.4	27
934	Water input and water release from the subducting <scp>N</scp>azca <scp>P</scp>late along southern <scp>C</scp>entral <scp>C</scp>hile (33Â°<scp>S</scp>â€“46Â°<scp>S</scp>). Geochemistry, Geophysics, Geosystems, 2015, 16, 1825-1847.	1.0	15
935	Metamorphic P-T trajectory and multi-stage fluid events of vein-bearing UHP eclogites from the Dabie terrane: insights from compositional zonations of key minerals. International Geology Review, 2015, 57, 1077-1102.	1.1	9
936	Mineralogy of the Earth: Phase Transitions and Mineralogy of the Upper Mantle. , 2015, , 7-31.		15
937	An integrate model of subduction: contributions from geology, experimental petrology, and seismic tomography. Russian Geology and Geophysics, 2015, 56, 13-38.	0.3	29
938	Geodynamic modeling of thermal structure of subduction zones. Science China Earth Sciences, 2015, 58, 1070-1083.	2.3	22

#	Article	IF	Citations
939	Melting of pelitic sediments at subarc depths: 1. Flux vs. fluid-absent melting and a parameterization of melt productivity. Chemical Geology, 2015, 404, 150-167.	1.4	71
940	Trace element characteristics of clinozoisite pseudomorphs after lawsonite in talc-garnet-chloritoid schists from the Makbal UHP Complex, northern Kyrgyz Tian-Shan. Lithos, 2015, 226, 98-115.	0.6	30
941	Composition of the slab-derived fluids released beneath the Mariana forearc: Evidence for shallow dehydration of the subducting plate. Earth and Planetary Science Letters, 2015, 418, 136-148.	1.8	51
942	The behaviour of incompatible elements during hydrous melting of metasomatized peridotite at 4â€“6 GPa and 1000 Â°Câ€“1200 Â°C. Lithos, 2015, 236-237, 141-155.	0.6	12
943	Metamorphic evolution of LT-UHP eclogite from the south Dabie orogen, central China: An insight from phase equilibria modeling. Journal of Asian Earth Sciences, 2015, 111, 966-980.	1.0	19
944	Partial melting and crust-mantle interaction in subduction channels: Constraints from experimental petrology. Science China Earth Sciences, 2015, 58, 1700-1712.	2.3	6
945	An Experimental Study of Trace Element Fluxes from Subducted Oceanic Crust. Journal of Petrology, 2015, 56, 1585-1606.	1.1	60
946	Tectonic evolution of the Sevier and Laramide belts within the North American Cordillera orogenic system. Earth-Science Reviews, 2015, 150, 531-593.	4.0	263
947	Generation of felsic crust in the Archean: A geodynamic modeling perspective. Precambrian Research, 2015, 271, 198-224.	1.2	246
948	Metamorphic Pâ€“T paths and Zircon Uâ€“Pb age data for the Paleoproterozoic metabasic dykes of high-pressure granulite facies from Eastern Hebei, North China Craton. Precambrian Research, 2015, 271, 295-310.	1.2	57
949	Formation of multiple high-pressure veins in ultrahigh-pressure eclogite (Hualiangting, Dabie terrane,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2015, 417, 238-260.	1.4	33
950	Deep-crustal magma reservoirs beneath the Nicaraguan volcanic arc, revealed by 2-D and semi 3-D inversion of magnetotelluric data. Physics of the Earth and Planetary Interiors, 2015, 248, 55-62.	0.7	5
951	UHP Metamorphism Documented in Ti-chondrodite- and Ti-clinohumite-bearing Serpentinized Ultramafic Rocks from Chinese Southwestern Tianshan. Journal of Petrology, 2015, 56, 1425-1458.	1.1	87
952	Halogens and noble gases in Mathematician Ridge meta-gabbros, NE Pacific: implications for oceanic hydrothermal root zones and global volatile cycles. Contributions To Mineralogy and Petrology, 2015, 170, 1.	1.2	31
953	Experimentally determined distribution of fluorine and chlorine upon hydrous slab melting, and implications for Fâ€“Cl cycling through subduction zones. Geochimica Et Cosmochimica Acta, 2015, 171, 353-373.	1.6	53
954	Oxygen isotope record of oceanic and high-pressure metasomatism: a Pâ€“Tâ€“timeâ€“fluid path for the Monviso eclogites (Italy). Contributions To Mineralogy and Petrology, 2015, 170, 1.	1.2	136
956	Plate tectonics on the Earth triggered by plume-induced subduction initiation. Nature, 2015, 527, 221-225.	13.7	310
957	A numerical approach to melting in warm subduction zones. Earth and Planetary Science Letters, 2015, 411, 37-44.	1.8	51

#	Article	IF	Citations
958	From continental rifting to seafloor spreading: Insight from 3D thermo-mechanical modeling. Gondwana Research, 2015, 28, 1329-1343.	3.0	44
959	Petrogenesis of Early Carboniferous adakitic dikes, Sawur region, northern West Junggar, NW China: Implications for geodynamic evolution. Gondwana Research, 2015, 27, 1630-1645.	3.0	64
960	Geochemical constraints on the contribution of Louisville seamount materials to magmagenesis in the Lau back-arc basin, SW Pacific. International Geology Review, 2015, 57, 978-997.	1.1	8
961	Chalcophile elemental compositions and origin of the Tuwu porphyry Cu deposit, NW China. Ore Geology Reviews, 2015, 66, 403-421.	1.1	37
962	Continuous eclogite melting and variable refertilisation in upwelling heterogeneous mantle. Scientific Reports, 2014, 4, 6099.	1.6	61
963	Isotopic heterogeneity of oceanic, arc and continental basalts and its implications for mantle dynamics. Gondwana Research, 2015, 27, 1131-1152.	3.0	309
964	Evidence for partial melting of eclogite from the Moldanubian Zone of the Bohemian Massif, Czech Republic. Journal of Mineralogical and Petrological Sciences, 2016, 111, 405-419.	0.4	8
965	Petrogenesis and tectonic setting of the Bondla mafic-ultramafic complex, western India: Inferences from chromian spinel chemistry. Journal of Asian Earth Sciences, 2016, 130, 192-205.	1.0	5
966	Variable H2O content in magmas from the Tongariro Volcanic Centre and its relation to crustal storage and magma ascent. Journal of Volcanology and Geothermal Research, 2016, 325, 203-210.	0.8	9
967	Distinct zircon Uâ€“Pb and Oâ€“Hfâ€“Ndâ€“Sr isotopic behaviour during fluid flow in <scp>UHP</scp> metamorphic rocks: evidence from metamorphic veins and their host eclogite in the Sulu Orogen, China. Journal of Metamorphic Geology, 2016, 34, 343-362.	1.6	18
968	Formation of the high-pressure modification of hydrated talc at 450Â°C and 4 GPa: In situ diffraction study. Journal of Structural Chemistry, 2016, 57, 1392-1397.	0.3	1
969	Melting carbonated epidote eclogites: carbonatites from subducting slabs. Progress in Earth and Planetary Science, 2016, 3, .	1.1	16
970	Noble gas diffusivity hindered by low energy sites in amphibole. Geochimica Et Cosmochimica Acta, 2016, 172, 65-75.	1.6	9
971	Temporal and compositional evolution of Jorullo volcano, Mexico: Implications for magmatic processes associated with a monogenetic eruption. Chemical Geology, 2016, 434, 62-80.	1.4	28
972	Iron-titanium oxyhydroxides as water carriers in the Earthâ€™s deep mantle. American Mineralogist, 2016, 101, 919-927.	0.9	22
973	Slab melting and magma formation beneath the southern Cascade arc. Earth and Planetary Science Letters, 2016, 446, 100-112.	1.8	50
974	The water content and hydrogen isotope composition of continental lithospheric mantle and mantle-derived mafic igneous rocks in eastern China. Science China Earth Sciences, 2016, 59, 910-926.	2.3	8
975	Thorium isotope evidence for melting of the mafic oceanic crust beneath the Izu arc. Geochimica Et Cosmochimica Acta, 2016, 186, 49-70.	1.6	24

#	Article	IF	Citations
976	Argon, oxygen, and boron isotopic evidence documenting 40ArE accumulation in phengite during water-rich high-pressure subduction metasomatism of continental crust. Earth and Planetary Science Letters, 2016, 446, 56-67.	1.8	30
977	Three-Dimensional Thermal Model of the Costa Rica-Nicaragua Subduction Zone. Pure and Applied Geophysics, 2016, 173, 3317-3339.	0.8	7
978	Geochemical constraints on petrogenesis of marble-hosted eclogites from the Sulu orogen in China. Chemical Geology, 2016, 436, 35-53.	1.4	21
979	U-series disequilibria in subduction zone lavas: Inherited from subducted slabs or produced by mantle in-growth melting?. Chemical Geology, 2016, 440, 179-190.	1.4	8
980	Fluidâ€“rock interaction and evolution of a high-pressure/low-temperature vein system in eclogite from New Caledonia: insights into intraslab fluid flow processes. Contributions To Mineralogy and Petrology, 2016, 171, 1.	1.2	33
981	Experimental investigation of As, Sb and Cs behavior during olivine serpentinization in hydrothermal alkaline systems. Geochimica Et Cosmochimica Acta, 2016, 179, 177-202.	1.6	15
982	Reconciling mantle wedge thermal structure with arc lava thermobarometric determinations in oceanic subduction zones. Geochemistry, Geophysics, Geosystems, 2016, 17, 4105-4127.	1.0	31
983	Unraveling the diversity in arc volcanic eruption styles: Examples from the Aleutian volcanic arc, Alaska. Journal of Volcanology and Geothermal Research, 2016, 327, 643-668.	0.8	6
984	Contrasting sediment melt and fluid signatures for magma components in the Aeolian Arc: Implications for numerical modeling of subduction systems. Geochemistry, Geophysics, Geosystems, 2016, 17, 2034-2053.	1.0	40
985	Silicateâ€oxide mineral chemistry of maficâ€“ultramafic rocks as an indicator of the roots of an island arc: The Chilas Complex, Kohistan (Pakistan). Island Arc, 2016, 25, 4-27.	0.5	10
986	Subduction beneath Laurentia modified the eastern North American cratonic edge: Evidence from P wave and S wave tomography. Journal of Geophysical Research: Solid Earth, 2016, 121, 5013-5030.	1.4	33
987	Continental versus oceanic subduction zones. National Science Review, 2016, 3, 495-519.	4.6	189
988	Effects of olivine fabric, meltâ€rock reaction, and hydration on the seismic properties of peridotites: Insight from the Luobusha ophiolite in the Tibetan Plateau. Journal of Geophysical Research: Solid Earth, 2016, 121, 3300-3323.	1.4	13
989	Implications for metal and volatile cycles from the pH of subduction zone fluids. Nature, 2016, 539, 420-424.	13.7	93
990	Lithospheric structure beneath the northern Central Andean Plateau from the joint inversion of ambient noise and earthquakeâ€generated surface waves. Journal of Geophysical Research: Solid Earth, 2016, 121, 8217-8238.	1.4	26
991	A 2â€Ð tomographic model of the Juan de Fuca plate from accretion at axial seamount to subduction at the Cascadia margin from an active source ocean bottom seismometer survey. Journal of Geophysical Research: Solid Earth, 2016, 121, 5859-5879.	1.4	41
992	Dehydration of chlorite explains anomalously high electrical conductivity in the mantle wedges. Science Advances, 2016, 2, e1501631.	4.7	51
993	Subduction Zone Geochemistry. Encyclopedia of Earth Sciences Series, 2016, , 1-9.	0.1	1

#	Article	IF	Citations
994	Grain-scale Sr isotope heterogeneity in amphibolite (retrograded UHP eclogite, Dabie terrane): Implications for the origin and flow behavior of retrograde fluids during slab exhumation. Lithos, 2016, 266-267, 383-405.	0.6	13
995	Localised magmatic constraints on continental back-arc volcanism in southern Mendoza, Argentina: the Santa Maria Volcano. Bulletin of Volcanology, 2016, 78, 1.	1.1	2
996	In situ X-ray observation of 10 Ã... phase stability at high pressure. American Mineralogist, 2016, 101, 2564-2569.	0.9	6
997	The H2/CH4 ratio during serpentinization cannot reliably identify biological signatures. Scientific Reports, 2016, 6, 33821.	1.6	13
998	Alongâ€strike structure of the <scp>C</scp>osta <scp>R</scp>ican convergent margin from seismic a refraction/reflection survey: Evidence for underplating beneath the inner forearc. Geochemistry, Geophysics, Geosystems, 2016, 17, 501-520.	1.0	4
999	Petrological Evidence from Komatiites for an Early Earth Carbon and Water Cycle. Journal of Petrology, 2016, 57, 2271-2288.	1.1	22
1000	The role of lateral lithospheric strength heterogeneities in orogenic plateau growth: Insights from 3â€D thermoâ€mechanical modeling. Journal of Geophysical Research: Solid Earth, 2016, 121, 3118-3138.	1.4	32
1001	Low Angle Contact Between the Oaxaca and JuÃ¡rez Terranes Deduced From Magnetotelluric Data. Pure and Applied Geophysics, 2016, 173, 3357-3371.	0.8	9
1002	Regimes of subduction and lithospheric dynamics in the Precambrian: 3D thermomechanical modelling. Gondwana Research, 2016, 37, 53-70.	3.0	88
1003	Effect of hydrothermal circulation on slab dehydration for the subduction zone of Costa Rica and Nicaragua. Physics of the Earth and Planetary Interiors, 2016, 255, 66-79.	0.7	7
1004	Seismic properties of lawsonite eclogites from the southern Motagua fault zone, Guatemala. Tectonophysics, 2016, 677-678, 88-98.	0.9	14
1005	Mantle hydration and Cl-rich fluids in the subduction forearc. Progress in Earth and Planetary Science, 2016, 3, .	1.1	18
1006	Pâ€“Tâ€“t evolution of garnet amphibolites in the Wutaiâ€“Hengshan area, North China Craton: insights from phase equilibria and geochronology. Journal of Metamorphic Geology, 2016, 34, 423-446.	1.6	106
1007	Intrusion of granitic magma into the continental crust facilitated by magma pulsing and dikeâ€diapir interactions: Numerical simulations. Tectonics, 2016, 35, 1575-1594.	1.3	69
1008	Interplate deformation at earlyâ€stage oblique subduction: 3â€D thermomechanical numerical modeling. Tectonics, 2016, 35, 1610-1625.	1.3	9
1009	The transport of water in subduction zones. Science China Earth Sciences, 2016, 59, 651-682.	2.3	194
1010	Water, oceanic fracture zones and the lubrication of subducting plate boundariesâ€”insights from seismicity. Geophysical Journal International, 2016, 204, 1405-1420.	1.0	42
1011	Emergence of blueschists on Earth linked to secular changes in oceanic crust composition. Nature Geoscience, 2016, 9, 60-64.	5.4	112

#	Article	IF	Citations
1012	Disequilibrium metamorphism of stressed lithosphere. Earth-Science Reviews, 2016, 154, 1-13.	4.0	58
1013	Three-dimensional time-evolving plumeâ€“slab interaction for the generation of the Abukuma adakite, Northeast Japan. Gondwana Research, 2016, 38, 99-112.	3.0	10
1014	Halogen (F, Cl, Br, I) behaviour in subducting slabs: A study of lawsonite blueschists in western Turkey. Earth and Planetary Science Letters, 2016, 442, 133-142.	1.8	49
1015	Early Earth plume-lid tectonics: A high-resolution 3D numerical modelling approach. Journal of Geodynamics, 2016, 100, 198-214.	0.7	128
1016	The mantle wedge's transient 3â€Ð flow regime and thermal structure. Geochemistry, Geophysics, Geosystems, 2016, 17, 78-100.	1.0	28
1017	Numerical modeling of deep oceanic slab dehydration: Implications for the possible origin of far field intra-continental volcanoes in northeastern China. Journal of Asian Earth Sciences, 2016, 117, 328-336.	1.0	19
1018	Geochemical behaviours of chemical elements during subduction-zone metamorphism and geodynamic significance. International Geology Review, 2016, 58, 1253-1277.	1.1	16
1019	In situ spectroscopic study of water intercalation into talc: New features of 10 Ã... phase formation. American Mineralogist, 2016, 101, 431-436.	0.9	14
1020	In-situ infrared spectroscopic studies of hydroxyl in amphiboles at high pressure. American Mineralogist, 2016, 101, 706-712.	0.9	15
1021	Three-dimensional electrical resistivity image of the South-Central Chilean subduction zone. Tectonophysics, 2016, 666, 76-89.	0.9	20
1022	Farallon plate dynamics prior to the Laramide orogeny: Numerical models of flat subduction. Tectonophysics, 2016, 666, 33-47.	0.9	68
1023	Implications for Mineral Exploration in Arc Environments. Mineral Resource Reviews, 2016, , 247-256.	1.5	1
1024	Decarbonation of subducting slabs: Insight from petrologicalâ€“thermomechanical modeling. Gondwana Research, 2016, 36, 314-332.	3.0	30
1025	Late Triassic alkaline complex in the Sulu UHP terrane: Implications for post-collisional magmatism and subsequent fractional crystallization. Gondwana Research, 2016, 35, 390-410.	3.0	52
1026	2D thermomechanical modelling of continentâ€“arcâ€“continent collision. Gondwana Research, 2016, 32, 138-150.	3.0	28
1027	Geochemical characterization and petrogenesis of intermediate to silicic rocks in ophiolites: A global synthesis. Earth-Science Reviews, 2017, 166, 1-37.	4.0	72
1028	Nb/Ta Fractionation by Amphibole in Hydrous Basaltic Systems: Implications for Arc Magma Evolution and Continental Crust Formation. Journal of Petrology, 0, , egw070.	1.1	10
1029	The production of iron oxide during peridotite serpentinization: Influence of pyroxene. Geoscience Frontiers, 2017, 8, 1311-1321.	4.3	28

#	Article	IF	Citations
1030	Palaeoproterozoic continental arc magmatism, and Neoproterozoic metamorphism in the Aravalli-Delhi orogenic belt, NW India: New constraints from in situ zircon U-Pb-Hf isotope systematics, monazite dating and whole-rock geochemistry. Journal of Asian Earth Sciences, 2017, 136, 68-88.	1.0	43
1031	Supercritical fluids at subduction zones: Evidence, formation condition, and physicochemical properties. Earth-Science Reviews, 2017, 167, 62-71.	4.0	70
1032	Diapir versus along-channel ascent of crustal material during plate convergence: Constrained by the thermal structure of subduction zones. Journal of Asian Earth Sciences, 2017, 145, 16-36.	1.0	15
1033	Post-collisional ultrapotassic rocks and mantle xenoliths in the Sailipu volcanic field of Lhasa terrane, south Tibet: Petrological and geochemical constraints on mantle source and geodynamic setting. Gondwana Research, 2017, 46, 17-42.	3.0	27
1034	Subduction channel fluidâ€“rock interaction and mass transfer: Constraints from a retrograde vein in blueschist (SW Tianshan, China). Chemical Geology, 2017, 456, 28-42.	1.4	17
1035	Seawater cycled throughout Earthâ€™s mantle in partially serpentinized lithosphere. Nature Geoscience, 2017, 10, 222-228.	5.4	139
1036	Global-scale water circulation in the Earth's mantle: Implications for the mantle water budget in the early Earth. Earth and Planetary Science Letters, 2017, 464, 189-199.	1.8	14
1037	The effect of CO2 on the water-saturated solidus of K-poor peridotite between 4 and 6 GPa. Geochimica Et Cosmochimica Acta, 2017, 206, 184-200.	1.6	33
1038	Inâ€‘situ Raman study of phengite compressed in water medium under simultaneously high Pâ€“T parameters. Journal of Raman Spectroscopy, 2017, 48, 1431-1437.	1.2	9
1039	Trace-element geochemistry of transform-fault serpentinite in high-pressure subduction mÃ©langes (eastern Cuba): implications for subduction initiation. International Geology Review, 2017, 59, 2041-2064.	1.1	11
1040	Petrogenetic relations among titaniumâ€rich minerals in an anatectic highâ€P mafic granulite. Journal of Metamorphic Geology, 2017, 35, 717-738.	1.6	24
1041	Seismic imaging of slab metamorphism and genesis of intermediate-depth intraslab earthquakes. Progress in Earth and Planetary Science, 2017, 4, .	1.1	60
1042	Constraining quantitatively the timing and process of continent-continent collision using magmatic record: Method and examples. Science China Earth Sciences, 2017, 60, 1040-1056.	2.3	60
1043	Influence of temperature, pressure, and fluid salinity on the distribution of chlorine into serpentine minerals. Journal of Asian Earth Sciences, 2017, 145, 101-110.	1.0	11
1044	Thallium isotopes as tracers of recycled materials in subduction zones: Review and new data for lavas from Tonga-Kermadec and Central America. Journal of Volcanology and Geothermal Research, 2017, 339, 23-40.	0.8	30
1045	Na-rich character of metasomatic/metamorphic fluids inferred from preiswerkite in chromitite pods of the Khoy ophiolite in Iran: Role of chromitites as capsules of trapped fluids. Lithos, 2017, 268-271, 351-363.	0.6	10
1046	Modelling the interplate domain in thermo-mechanical simulations of subduction: Critical effects of resolution and rheology, and consequences on wet mantle melting. Physics of the Earth and Planetary Interiors, 2017, 269, 112-132.	0.7	17
1047	Iron isotope fractionation in subduction-related high-pressure metabasites (Ile de Groix, France). Contributions To Mineralogy and Petrology, 2017, 172, 1.	1.2	23

#	Article	IF	Citations
1048	Constraints on fluids in subduction zones from electromagnetic data. , 0, , GES01473.1.		11
1049	An experimental study of the behaviour of cerium/molybdenum ratios during subduction: Implications for tracing the slab component in the Lesser Antilles and Mariana Arc. Geochimica Et Cosmochimica Acta, 2017, 212, 133-155.	1.6	32
1050	Water transfer during magma mixing events: Insights into crystal mush rejuvenation and melt extraction processes. American Mineralogist, 2017, 102, 766-776.	0.9	38
1051	Influence of dehydration on the electrical conductivity of epidote and implications for highâ€conductivity anomalies in subduction zones. Journal of Geophysical Research: Solid Earth, 2017, 122, 2751-2762.	1.4	45
1052	Forearc structure in the Lesser Antilles inferred from depth to the Curie temperature and thermo-mechanical simulations. Tectonophysics, 2017, 706-707, 71-90.	0.9	5
1053	Geochemical evidence for mÃ©lange melting in global arcs. Science Advances, 2017, 3, e1602402.	4.7	155
1054	Different origins of garnet in high pressure to ultrahigh pressure metamorphic rocks. Journal of Asian Earth Sciences, 2017, 145, 130-148.	1.0	26
1055	Multiphase solid inclusions in ultrahigh-pressure metamorphic rocks: A snapshot of anatectic melts during continental collision. Journal of Asian Earth Sciences, 2017, 145, 192-204.	1.0	22
1056	Rodingites from the Xigaze ophiolite, southern Tibet â€“ new insights into the processes of rodingitization. European Journal of Mineralogy, 2017, 29, 821-837.	0.4	31
1057	Influence of temperature, pressure, and fluid salinity on the distribution of chlorine into serpentine minerals. Journal of Asian Earth Sciences, 2017, 140, 82.	1.0	1
1058	Partial melting of ultrahigh-pressure metamorphic rocks during continental collision: Evidence, time, mechanism, and effect. Journal of Asian Earth Sciences, 2017, 145, 177-191.	1.0	38
1059	Fluids and trace element transport in subduction zones. American Mineralogist, 2017, 102, 5-20.	0.9	66
1060	Fluid pathways and highâ€P metasomatism in a subducted continental slice (Mt. Emilius klippe, W.) Tj ETQq0 0 0 rgBT /Overlock	1.6	33
1061	Experimental insight into redox transfer by iron- and sulfur-bearing serpentinite dehydration in subduction zones. Earth and Planetary Science Letters, 2017, 479, 133-143.	1.8	27
1062	Intracontinental mantle plume and its implications for the Cretaceous tectonic history of East Asia. Earth and Planetary Science Letters, 2017, 479, 206-218.	1.8	16
1063	The fate of ammonium in phengite at high temperature. American Mineralogist, 2017, 102, 2244-2253.	0.9	11
1064	An imbalance in the deep water cycle at subduction zones: The potential importance of the fore-arc mantle. Earth and Planetary Science Letters, 2017, 479, 298-309.	1.8	23
1065	Nature of serpentinization and carbonation of ophiolitic peridotites (Eastern Desert, Egypt): constrains from stable isotopes and whole-rock geochemistry. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	22

#	Article	IF	Citations
1066	Dry Juan de Fuca slab revealed by quantification of water entering Cascadia subduction zone. Nature Geoscience, 2017, 10, 864-870.	5.4	46
1067	The formation of the Late Cretaceous Xishan Snâ€“W deposit, South China: Geochronological and geochemical perspectives. Lithos, 2017, 290-291, 253-268.	0.6	60
1068	Emergence of silicic continents as the lower crust peels off on a hot plate-tectonic Earth. Nature Geoscience, 2017, 10, 698-703.	5.4	90
1069	Dynamic processes and mechanisms for collision to postâ€orogenic extension in the Western Dabie Orogen: Insights from numerical modeling. Geological Journal, 2017, 52, 44-58.	0.6	9
1070	Spatial distribution, Pâ€“Tâ€“t paths, and tectonic significance of high-pressure mafic granulites from the Daqingshanâ€“Wulashan Complex in the Khondalite Belt, North China Craton. Precambrian Research, 2017, 303, 687-708.	1.2	30
1071	Tectonic Stacking of HP/LT Metamorphic Rocks in Accretionary Wedges and the Role of Shallowing Slabâ€Mantle Decoupling. Tectonics, 2017, 36, 2332-2346.	1.3	8
1072	Light Stable Isotopic Compositions of Enriched Mantle Sources: Resolving the Dehydration Paradox. Geochemistry, Geophysics, Geosystems, 2017, 18, 3801-3839.	1.0	70
1073	The highâ€pressure phase of lawsonite: A single crystal study of a key mantle hydrous phase. Journal of Geophysical Research: Solid Earth, 2017, 122, 6294-6305.	1.4	6
1074	Phase relations and formation of K-bearing Al-10 Ã... phase in the MORB+H₂O system: Implications for H₂O- and K-cycles in subduction zones. American Mineralogist, 2017, 102, 1922-1933.	0.9	5
1075	Middle Neoproterozoic (ca. 705â€“716 Ma) arc to rift transitional magmatism in the northern margin of the Yangtze Block: Constraints from geochemistry, zircon Uâ€“Pb geochronology and Hf isotopes. Journal of Geodynamics, 2017, 109, 59-74.	0.7	20
1076	Clustering of arc volcanoes caused by temperature perturbations in the back-arc mantle. Nature Communications, 2017, 8, 15753.	5.8	12
1077	Decarbonation in an intracratonic setting: Insight from petrologicalâ€thermomechanical modeling. Journal of Geophysical Research: Solid Earth, 2017, 122, 5992-6013.	1.4	7
1078	Fluid migration in the mantle wedge: Influence of mineral grain size and mantle compaction. Journal of Geophysical Research: Solid Earth, 2017, 122, 6247-6268.	1.4	41
1079	Water in the Earthâ€™s Interior: Distribution and Origin. Space Science Reviews, 2017, 212, 743-810.	3.7	139
1080	2-D numerical study of hydrated wedge dynamics from subduction to post-collisional phases. Geophysical Journal International, 2017, 211, 952-978.	1.0	11
1081	A Subsolidus Olivine Water Solubility Equation for the Earth's Upper Mantle. Journal of Geophysical Research: Solid Earth, 2017, 122, 9862-9880.	1.4	63
1082	Density of hydrous magma. Chemical Geology, 2017, 475, 135-139.	1.4	23
1083	Discovery and geological significance of high-pressure mafic granulites in the Pingduâ€“Anqiu area of the Jiaobei Terrane, the Jiaoâ€“Liaoâ€“Ji Belt, the North China Craton. Precambrian Research, 2017, 303, 445-469.	1.2	48

#	Article	IF	Citations
1084	Volatile (Cl, F and S) and major element constraints on subduction-related mantle metasomatism along the alkaline basaltic backarc, Payenia, Argentina. Contributions To Mineralogy and Petrology, 2017, 172, 1.	1.2	2
1085	The origin of Cenozoic continental basalts in east-central China: Constrained by linking Pb isotopes to other geochemical variables. Lithos, 2017, 268-271, 302-319.	0.6	28
1086	The role of solidâ€“solid phase transitions in mantle convection. Lithos, 2017, 268-271, 198-224.	0.6	70
1087	Paleoproterozoic rejuvenation and replacement of Archaean lithosphere: Evidence from zircon Uâ€“Pb dating and Hf isotopes in crustal xenoliths at Udachnaya, Siberian craton. Earth and Planetary Science Letters, 2017, 457, 149-159.	1.8	51
1088	Petrology and Geochemistry of the lawsonite (pseudomorph)-bearing eclogite in Yuka terrane, North Qaidam UHPM belt: An eclogite facies metamorphosed oceanic slice. Gondwana Research, 2017, 42, 220-242.	3.0	42
1089	Chlorine and fluorine partition coefficients and abundances in sub-arc mantle xenoliths (Kamchatka,) Tj ETQq1 1 0.784314 rgBT /Ove Geochimica Et Cosmochimica Acta, 2017, 199, 324-350.	1.6	33
1090	White mica trace element and boron isotope evidence for distinctive infiltration events during exhumation of deeply subducted continental crust. International Geology Review, 2017, 59, 621-638.	1.1	11
1091	Investigation of Ge and Ga exchange behaviour and Ge isotopic fractionation during subduction zone metamorphism. Chemical Geology, 2017, 449, 165-181.	1.4	14
1092	Distribution, cycling and impact of water in the Earth's interior. National Science Review, 2017, 4, 879-891.	4.6	21
1093	Tracing halogen and B cycling in subduction zones based on obducted, subducted and forearc serpentinites of the Dominican Republic. Scientific Reports, 2017, 7, 17776.	1.6	20
1094	Formation of atoll garnets in the UHP eclogites of the Tso Morari Complex, Ladakh, Himalaya. Journal of Earth System Science, 2017, 126, 1.	0.6	11
1095	Mid-ocean Ridge Serpentinite in the Puerto Rico Trench: from Seafloor Spreading to Subduction. Journal of Petrology, 2017, 58, 1729-1754.	1.1	28
1096	Crystal preferred orientations of olivine, orthopyroxene, serpentine, chlorite, and amphibole, and implications for seismic anisotropy in subduction zones: a review. Geosciences Journal, 2017, 21, 985-1011.	0.6	62
1097	Influence of pyroxene and spinel on the kinetics of peridotite serpentinization. Journal of Geophysical Research: Solid Earth, 2017, 122, 7111-7126.	1.4	23
1098	The role of serpentinite-derived fluids in metasomatism of the Colorado Plateau (USA) lithospheric mantle. Geology, 2017, 45, 1103-1106.	2.0	10
1099	Modeling chemical geodynamics of subduction zones using the ArcÂBasalt Simulator version 5. , 0, , GES01468.1.		10
1100	Morphological stability of hydrous liquid droplets at grain boundaries of eclogite minerals in the deep upper mantle. Journal of Mineralogical and Petrological Sciences, 2017, 112, 346-358.	0.4	10
1101	Intrusion of Magmatic Bodies Into the Continental Crust: 3â€Ð Numerical Models. Tectonics, 2018, 37, 705-723.	1.3	40

#	Article	IF	Citations
1102	Granulite-facies Overprint in Garnet Peridotites and Kyanite Eclogites of Monte Duria (Central Alps,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	16
1104	Across-arc geochemical and Srâ€“Ndâ€“Hf isotopic variations of mafic intrusive rocks at the southern Central Qilian block, China. Gondwana Research, 2018, 59, 108-125.	3.0	16
1105	Fate of water transported into the deep mantle by slab subduction. Journal of Asian Earth Sciences, 2018, 167, 2-10.	1.0	20
1106	Effect of saline fluids on chlorine incorporation in serpentine. Solid Earth Sciences, 2018, 3, 61-66.	0.8	4
1107	First Principles Investigations of the Hydrous Minerals in the Earth's Deep Interior. Nihon Kessho Gakkaishi, 2018, 60, 48-53.	0.0	0
1108	Initiation of adakite occurrence in Cretaceous arc, Northeast Asia. Geosciences Journal, 2018, 22, 383-391.	0.6	1
1109	Halogens and noble gases in serpentinites and secondary peridotites: Implications for seawater subduction and the origin of mantle neon. Geochimica Et Cosmochimica Acta, 2018, 235, 285-304.	1.6	47
1110	Late Cretaceous eclogite in the Eastern Rhodopes (Bulgaria): evidence for subduction under the Sredna Gora magmatic arc. International Journal of Earth Sciences, 2018, 107, 2083-2099.	0.9	10
1111	Field and petrological study of metasomatism and high-pressure carbonation from lawsonite eclogite-facies terrains, Alpine Corsica. Lithos, 2018, 304-307, 16-37.	0.6	33
1112	The Behavior of Halogens During Subduction-Zone Processes. Springer Geochemistry, 2018, , 545-590.	0.1	39
1113	Halogens in Seawater, Marine Sediments and the Altered Oceanic Lithosphere. Springer Geochemistry, 2018, , 591-648.	0.1	22
1114	Diffuse Extension of the Southern Mariana Margin. Journal of Geophysical Research: Solid Earth, 2018, 123, 892-916.	1.4	21
1115	Stochastic Inversion of Geomagnetic Observatory Data Including Rigorous Treatment of the Ocean Induction Effect With Implications for Transition Zone Water Content and Thermal Structure. Journal of Geophysical Research: Solid Earth, 2018, 123, 31-51.	1.4	26
1116	Petrology of calc-alkaline/adakitic basement hosting A-type Neoproterozoic granites of the Malani igneous suite in Nagar Parkar, SE Sindh, Pakistan. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	11
1117	Subduction factory in an ampoule: Experiments on sedimentâ€“peridotite interaction under temperature gradient conditions. Geochimica Et Cosmochimica Acta, 2018, 223, 319-349.	1.6	20
1118	Dynamics of exhumation and deformation of HP-UHP orogens in double subduction-collision systems: Numerical modeling and implications for the Western Dabie Orogen. Earth-Science Reviews, 2018, 182, 68-84.	4.0	34
1119	Influence of mid-crustal rheology on the deformation behavior of continental crust in the continental subduction zone. Journal of Geodynamics, 2018, 117, 88-99.	0.7	3
1120	Experimental Phase Relations in Altered Oceanic Crust: Implications for Carbon Recycling at Subduction Zones. Journal of Petrology, 2018, 59, 299-320.	1.1	39

#	Article	IF	Citations
1121	Active carbon sequestration in the Alpine mantle wedge and implications for long-term climate trends. Scientific Reports, 2018, 8, 4740.	1.6	21
1122	Precambrian ultra-hot orogenic factory: Making and reworking of continental crust. Tectonophysics, 2018, 746, 572-586.	0.9	49
1123	Chromite chemistry as an indicator of petrogenesis and tectonic setting of the Ranomena ultramafic complex in north-eastern Madagascar. Geological Magazine, 2018, 155, 109-118.	0.9	4
1124	Geochemical and petrological insights into the tectonic origin of the Transmexican Volcanic Belt. Earth-Science Reviews, 2018, 183, 153-181.	4.0	43
1125	Slab-triggered wet upwellings produce large volumes of melt: Insights into the destruction of the North China Craton. Tectonophysics, 2018, 746, 266-279.	0.9	23
1126	Fluid-controlled deformation in blueschist-facies conditions: plastic vs brittle behaviour in a brecciated mylonite (Voltri Massif, Western Alps, Italy). Geological Magazine, 2018, 155, 335-355.	0.9	11
1127	Lawsonite-bearing eclogite from a tectonic mÃ©lange in the Ligurian Alps: new constraints for the subduction plate-interface evolution. Geological Magazine, 2018, 155, 280-297.	0.9	14
1128	Dynamics of terrane accretion during seaward continental drifting and oceanic subduction: Numerical modeling and implications for the Jurassic crustal growth of the Lhasa Terrane, Tibet. Tectonophysics, 2018, 746, 212-228.	0.9	20
1129	Crustal strength control on structures and metamorphism in collisional orogens. Tectonophysics, 2018, 746, 470-492.	0.9	6
1130	Partial melting of ultrahigh-pressure metamorphic rocks at convergent continental margins: Evidences, melt compositions and physical effects. Geoscience Frontiers, 2018, 9, 1229-1242.	4.3	12
1131	Pargasite at high pressure and temperature. Physics and Chemistry of Minerals, 2018, 45, 259-278.	0.3	7
1132	Boron Isotopes as a Tracer of Subduction Zone Processes. Advances in Isotope Geochemistry, 2018, , 217-247.	1.4	47
1133	Phase equilibria modelling constraints on Pâ€“T conditions during fluid catalysed conversion of granulite to eclogite in the Bergen Arcs, Norway. Journal of Metamorphic Geology, 2018, 36, 315-342.	1.6	37
1134	Mantle wedge serpentinites: A transient reservoir of halogens, boron, and nitrogen for the deeper mantle. Geology, 2018, 46, 883-886.	2.0	24
1135	Stability of Al-bearing superhydrous phase B at the mantle transition zone and the uppermost lower mantle. American Mineralogist, 2018, 103, 1221-1227.	0.9	15
1136	Dehydration of phengite inferred by electrical conductivity measurements: Implication for the high conductivity anomalies relevant to the subduction zones. Geology, 2018, 46, 11-14.	2.0	31
1137	Hydrogen incorporation and retention in metamorphic olivine during subduction: Implications for the deep water cycle. Geology, 2018, 46, 571-574.	2.0	17
1139	The role of eclogites in the redistribution of water in the subcontinental mantle of the Siberian craton: results of determination of the water content in minerals from the Udachnaya pipe eclogites. Russian Geology and Geophysics, 2018, 59, 763-779.	0.3	9

#	Article	IF	Citations
1140	Halogen behaviour in subduction zones: Eclogite facies rocks from the Western and Central Alps. Geochimica Et Cosmochimica Acta, 2018, 243, 1-23.	1.6	15
1141	The subduction plate interface: rock record and mechanical coupling (from long to short) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.6	179
1142	The stability of hydrous phases beyond antigorite breakdown for a magnetite-bearing natural serpentinite between 6.5 and 11ÂGPa. Contributions To Mineralogy and Petrology, 2018, 173, 1.	1.2	12
1143	In-situ Sr-Pb isotope geochemistry of lawsonite: A new method to investigate slab-fluids. Lithos, 2018, 320-321, 93-104.	0.6	13
1144	Magnesium Isotope Composition of Subduction Zone Fluids as Constrained by Jadeitites From Myanmar. Journal of Geophysical Research: Solid Earth, 2018, 123, 7566-7585.	1.4	19
1145	Mantle wedge temperatures and their potential relation to volcanic arc location. Earth and Planetary Science Letters, 2018, 501, 67-77.	1.8	52
1146	Experimental Investigation of the Pressure of Crystallization of Ca(OH) 2 : Implications for the Reactive Cracking Process. Geochemistry, Geophysics, Geosystems, 2018, 19, 3448-3458.	1.0	5
1147	Compositional variation of olivine related to highâ€“temperature serpentinization of peridotites: Evidence from the Oeyama ophiolite. Journal of Mineralogical and Petrological Sciences, 2018, 113, 219-231.	0.4	7
1148	Deformation-enhanced fluid and mass transfer along Western and Central Alps paleo-subduction interfaces: Significance for carbon cycling models. , 2018, 14, 2355-2375.		27
1149	Roles of Hydrous Lithospheric Mantle in Deep Water Transportation and Subduction Dynamics. Geophysical Research Letters, 2018, 45, 5336-5343.	1.5	11
1150	Controls on the iron isotopic composition of global arc magmas. Earth and Planetary Science Letters, 2018, 494, 190-201.	1.8	53
1151	Phengite megacryst quasi-exsolving phlogopite, from Sulu ultra-high pressure metamorphic terrane, Qinglongshan, Donghai County (eastern China): New data for P-T-X conditions during exhumation. Lithos, 2018, 314-315, 156-164.	0.6	3
1153	Metamorphic consequences of secular changes in oceanic crust composition and implications for uniformitarianism in the geological record. Geoscience Frontiers, 2018, 9, 1009-1019.	4.3	26
1154	Subduction and atmospheric escape of Earth's seawater constrained by hydrogen isotopes. Earth and Planetary Science Letters, 2018, 497, 149-160.	1.8	27
1155	Exhumation of (U) HP/LT rocks caused by diachronous slab breakoff. Journal of Structural Geology, 2018, 117, 251-255.	1.0	4
1156	Petrology and geochemistry of high niobium eclogite in the North Qaidam orogen, Western China: Implications for an eclogite facies metamorphosed island arc slice. Journal of Asian Earth Sciences, 2018, 164, 380-397.	1.0	29
1157	Effect of dehydrogenation on the electrical conductivity of Fe-bearing amphibole: Implications for high conductivity anomalies in subduction zones and continental crust. Earth and Planetary Science Letters, 2018, 498, 27-37.	1.8	55
1158	Mafic Highâ€Pressure Rocks Are Preferentially Exhumed From Warm Subduction Settings. Geochemistry, Geophysics, Geosystems, 2018, 19, 2934-2961.	1.0	78

#	Article	IF	Citations
1159	Amphibole in UHP eclogite from the Sulu region, eastern China. Journal of Mineralogical and Petrological Sciences, 2018, 113, 135-151.	0.4	1
1160	Aqueous Fluid Connectivity in Subducting Oceanic Crust at the Mantle Transition Zone Conditions. Journal of Geophysical Research: Solid Earth, 2018, 123, 6562-6573.	1.4	14
1161	Deuteriumâ€'hydrogen inter-diffusion in chlorite. Chemical Geology, 2018, 493, 518-524.	1.4	5
1162	Samarium. Encyclopedia of Earth Sciences Series, 2018, , 1321-1322.	0.1	0
1163	Dehydration of hot oceanic slab at depth 30â€"50â€¯km: KEY to formation of Irankuh-Emarat Pb Zn MVT belt, Central Iran. Journal of Geochemical Exploration, 2018, 194, 88-103.	1.5	18
1164	Decoupling of plate-asthenosphere motion caused by non-linear viscosity during slab folding in the transition zone. Physics of the Earth and Planetary Interiors, 2018, 281, 17-30.	0.7	24
1165	Primary Melt Compositions in the Earth's Mantle. , 2018, , 3-42.		16
1166	The Influence of Pressure on the Properties and Origins of Hydrous Silicate Liquids in Earth's Interior. , 2018, , 83-113.		6
1168	Near-solidus melts of MORBâ€‰+â€‰4Âwt% H2O at 0.8â€"2.8ÂGPa applied to issues of subduction magmatism and continent formation. Contributions To Mineralogy and Petrology, 2018, 173, 1.	1.2	38
1169	Compressibility of the 23â€¯Ã... phase under high pressure and high temperature. Physics of the Earth and Planetary Interiors, 2018, 283, 1-6.	0.7	3
1170	Xenon isotopic constraints on the history of volatile recycling into the mantle. Nature, 2018, 560, 223-227.	13.7	47
1171	Post-collisional Potassicâ€"Ultrapotassic Magmatism of the Variscan Orogen: Implications for Mantle Metasomatism during Continental Subduction. Journal of Petrology, 2018, 59, 1007-1034.	1.1	80
1172	Genesis of Epidiorites Associated with Dhalbhum Formation of Proterozoic Singhbhum Basin. Society of Earth Scientists Series, 2019, , 443-471.	0.2	0
1173	Implications for Mineral Exploration in Arc Environments. Mineral Resource Reviews, 2019, , 337-354.	1.5	0
1174	Early Silurian adakitic highâ€Mg diorite from the Longshan area: Implication for melting of mantle lithosphere in the southâ€eastern Qilian Orogenic Belt. Geological Journal, 2019, 54, 2261-2273.	0.6	0
1175	Phase relations in metabasic rocks: constraints from the results of experiments, phase modelling and ACF analysis. Geological Society Special Publication, 2019, 474, 25-45.	0.8	20
1176	Peculiarities of Serpentine Decomposition in the Presence of Alkaline Chloride: Raman Study at High Pressure and Temperature. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 680-682.	0.1	2
1177	Filling the gap in a double seismic zone: Intraslab seismicity in Northern Chile. Lithos, 2019, 346-347, 105155.	0.6	18

#	Article	IF	Citations
1178	Evolution of serpentinite from seafloor hydration to subduction zone metamorphism: Petrology and geochemistry of serpentinite from the ultrahigh pressure North Qaidam orogen in northern Tibet. Lithos, 2019, 346-347, 105158.	0.6	6
1179	Stress-driven fluid flow controls long-term megathrust strength and deep accretionary dynamics. Scientific Reports, 2019, 9, 9714.	1.6	26
1180	An experimental investigation on fluid transfer mechanisms in ultramafic rocks. Journal of Structural Geology, 2019, 127, 103871.	1.0	0
1181	Firstâ€Principles Determination of the Dissociation Phase Boundary of Phase H MgSiO 4 H 2. Geophysical Research Letters, 2019, 46, 7333-7336.	1.5	9
1182	Pn Tomography of the Juan de Fuca and Gorda Plates: Implications for Mantle Deformation and Hydration in the Oceanic Lithosphere. Journal of Geophysical Research: Solid Earth, 2019, 124, 8565-8583.	1.4	8
1183	CO2 degassing and melting of metasomatized mantle lithosphere during rifting â€“ Numerical study. Geoscience Frontiers, 2019, 10, 1409-1420.	4.3	12
1184	Oncolytic reovirus as a new anti-tumor strategy in castration resistant prostate cancer. Annals of Oncology, 2019, 30, v770.	0.6	0
1185	Effect of Serpentinite Dehydration in Subducting Slabs on Isotopic Diversity in Recycled Oceanic Crust and Its Role in Isotopic Heterogeneity of the Mantle. Geochemistry, Geophysics, Geosystems, 2019, 20, 5449-5472.	1.0	8
1186	Single-crystal elasticity of iron-bearing phase E and seismic detection of water in Earth's upper mantle. American Mineralogist, 2019, 104, 1526-1529.	0.9	7
1187	Fluid Pulses During Stepwise Brecciation at Intermediate Subduction Depths (Monviso Eclogites, W.) Tj ETQq1 1 0.784314 rgBT /Ove 5285-5318.	1.0	15
1188	Compressibility of 2M1 muscovite-phlogopite series minerals. Journal of Molecular Modeling, 2019, 25, 341.	0.8	1
1189	Devolatilization of Subducting Slabs, Part I: Thermodynamic Parameterization and Open System Effects. Geochemistry, Geophysics, Geosystems, 2019, 20, 5667-5690.	1.0	6
1190	Structural Evolution and Metasomatism of Subducted Metaophiolites in the Northwestern Alps. Tectonics, 2019, 38, 4185-4206.	1.3	5
1191	Highâ€Pressure Fluidâ€Rock Interaction and Mass Transfer During Exhumation of Deeply Subducted Rocks: Insights From an Eclogiteâ€Vein System in the Ultrahighâ€Pressure Terrane of the Dabie Shan, China. Geochemistry, Geophysics, Geosystems, 2019, 20, 5786-5817.	1.0	9
1192	Release of oxidizing fluids in subduction zones recorded by iron isotope zonation in garnet. Nature Geoscience, 2019, 12, 1029-1033.	5.4	32
1193	Magma generation conditions at the Akita-Komagatake volcano, Northeast Japan arc: Implications of across-arc variations in mantle melting parameters. Lithos, 2019, 348-349, 105197.	0.6	5
1194	Geochemical evidence from coesite-bearing jadeite quartzites for large-scale flow of metamorphic fluids in a continental subduction channel. Geochimica Et Cosmochimica Acta, 2019, 265, 354-370.	1.6	10
1195	Geochemistry of axial lavas from the mid- and southern Mariana Trough, and implications for back-arc magmatic processes. Mineralogy and Petrology, 2019, 113, 803-820.	0.4	9

#	Article	IF	Citations
1196	Interaction between oceanic slab and metasomatized mantle wedge: Constraints from sodic lavas from the Qilian Orogen, NW China. Lithos, 2019, 348-349, 105182.	0.6	8
1197	Experimentally deformed lawsonite at high pressure and high temperature: Implication for low velocity layers in subduction zones. Physics of the Earth and Planetary Interiors, 2019, 295, 106282.	0.7	4
1198	Electrical Investigation of Natural Lawsonite and Application to Subduction Contexts. Journal of Geophysical Research: Solid Earth, 2019, 124, 1430-1442.	1.4	12
1199	An inhomogeneous across-slab conduit controlled by intraslab stress heterogeneity in the Nankai subduction zone. Scientific Reports, 2019, 9, 994.	1.6	4
1200	Oxygen isotope disequilibrium during serpentinite dehydration. Terra Nova, 2019, 31, 94-101.	0.9	10
1202	Petrogenesis of the Payangazu Complex in Southern Mandalay, Central Myanmar and Its Tectonic Implications. Journal of Earth Science (Wuhan, China), 2019, 30, 20-36.	1.1	6
1203	Earth's deepest earthquake swarms track fluid ascent beneath nascent arc volcanoes. Earth and Planetary Science Letters, 2019, 521, 25-36.	1.8	20
1204	Kinetics of antigorite dehydration: Rapid dehydration as a trigger for lower-plane seismicity in subduction zones. American Mineralogist, 2019, 104, 282-290.	0.9	16
1206	The continuity equation. , 2019, , 12-25.		0
1207	Density and gravity. , 2019, , 26-37.		0
1208	Numerical solutions of partial differential equations. , 2019, , 38-49.		0
1209	Stress and strain. , 2019, , 50-59.		0
1210	The momentum equation. , 2019, , 60-72.		0
1211	Viscous rheology of rocks. , 2019, , 73-81.		1
1212	Numerical solutions of the momentum and continuity equations. , 2019, , 82-104.		2
1213	The advection equation and marker-in-cell method. , 2019, , 105-127.		0
1214	The heat conservation equation. , 2019, , 128-138.		0
1215	Numerical solution of the heat conservation equation. , 2019, , 139-155.		1

#	Article	IF	Citations
1216	2D thermomechanical code structure. , 2019, , 156-170.		1
1217	Elasticity and plasticity. , 2019, , 171-187.		0
1218	2D implementation of visco-elasto-plasticity. , 2019, , 188-208.		0
1219	2D thermomechanical modelling of inertial processes. , 2019, , 209-223.		0
1220	Seismo-thermomechanical modelling. , 2019, , 224-239.		0
1221	Hydro-thermomechanical modelling. , 2019, , 240-276.		0
1222	Adaptive mesh refinement. , 2019, , 277-291.		0
1223	The multigrid method. , 2019, , 292-318.		0
1224	Programming of 3D problems. , 2019, , 319-339.		0
1225	Numerical benchmarks. , 2019, , 340-368.		0
1226	Design of 2D numerical geodynamic models. , 2019, , 369-405.		1
1231	Thermodynamic constraints on carbonate stability and carbon volatility during subduction. Earth and Planetary Science Letters, 2019, 519, 213-222.	1.8	27
1232	Variability of subducting slab morphologies in the mantle transition zone: Insight from petrological-thermomechanical modeling. Earth-Science Reviews, 2019, 196, 102874.	4.0	49
1233	Differentiation of Continental Subduction Mode: Numerical Modeling. Journal of Earth Science (Wuhan, China), 2019, 30, 809-822.	1.1	2
1234	Compositions and Formation Conditions of Primitive Magmas of the Karymsky Volcanic Center, Kamchatka: Evidence from Melt Inclusions and Trace-Element Thermobarometry. Petrology, 2019, 27, 243-264.	0.2	15
1235	Continental subduction during arc-microcontinent collision in the southern Siberian craton: Constraints on protoliths and metamorphic evolution of the North Muya complex eclogites (Eastern) Tj ETQq1 1 0.784314 rgBT /Ove		
1236	Geodynamic effects of subducted seamount at the Manila Trench: Insights from numerical modeling. Tectonophysics, 2019, 764, 46-61.	0.9	14
1237	Hotter mantle but colder subduction in the Precambrian: What are the implications?. Precambrian Research, 2019, 330, 20-34.	1.2	27

#	Article	IF	Citations
1238	The Exhumation of Subducted Oceanicâ€Derived Eclogites: Insights From Phase Equilibrium and Thermomechanical Modeling. Tectonics, 2019, 38, 1764-1797.	1.3	24
1239	Crustal melting beneath orogenic plateaus: Insights from 3-D thermo-mechanical modeling. Tectonophysics, 2019, 761, 1-15.	0.9	27
1240	Mineralogical and seismic properties of serpentinite of Ait Ahmane fault zone of Bou Azzer ophiolite, central Anti-Atlas of Morocco. Comptes Rendus - Geoscience, 2019, 351, 303-311.	0.4	4
1241	Intimate link between ammonium loss of phengite and the deep Earth's water cycle. Earth and Planetary Science Letters, 2019, 513, 95-102.	1.8	10
1242	Ultrahighâ€pressure and highâ€P lawsonite eclogites in Muzhaerte, Chinese western Tianshan. Journal of Metamorphic Geology, 2019, 37, 717-743.	1.6	15
1243	Continental lithospheric-scale subduction versus crustal-scale underthrusting in the collision zone: Numerical modeling. Tectonophysics, 2019, 757, 68-87.	0.9	6
1244	A revised petrological model for subducted oceanic crust: Insights from phase equilibrium modelling. Journal of Metamorphic Geology, 2019, 37, 745-768.	1.6	54
1245	Deep Seismic Structure Across the Southernmost Mariana Trench: Implications for Arc Rifting and Plate Hydration. Journal of Geophysical Research: Solid Earth, 2019, 124, 4710-4727.	1.4	24
1246	Subduction zone geochemistry. Geoscience Frontiers, 2019, 10, 1223-1254.	4.3	284
1247	Melting of H2O and CO2-bearing eclogite at 4â€“6â€¯GPa and 900â€“1200â€¯Â°C: Implications for the generation of diamond-forming fluids. Geochimica Et Cosmochimica Acta, 2019, 255, 69-87.	1.6	21
1248	Fluid and Melt Pathways in the Central Chilean Subduction Zone Near the 2010 Maule Earthquake (35â€“36Â°S) as Inferred From Magnetotelluric Data. Geochemistry, Geophysics, Geosystems, 2019, 20, 1818-1835.	1.0	19
1249	Earthquakes track subduction fluids from slab source to mantle wedge sink. Science Advances, 2019, 5, eaav7369.	4.7	54
1250	The stable tungsten isotope composition of modern igneous reservoirs. Geochimica Et Cosmochimica Acta, 2019, 251, 176-191.	1.6	26
1251	Abyssal Serpentinites: Transporting Halogens from Earthâ€™s Surface to the Deep Mantle. Minerals (Basel, Switzerland), 2019, 9, 61.	0.8	9
1252	Pâ€“T evolution and episodic zircon growth in barroisite eclogites of the Lanterman Range, northern Victoria Land, Antarctica. Journal of Metamorphic Geology, 2019, 37, 509-537.	1.6	15
1253	Generation of Earth's Early Continents From a Relatively Cool Archean Mantle. Geochemistry, Geophysics, Geosystems, 2019, 20, 1679-1697.	1.0	31
1254	Sound velocities of the 23â€Ã... phase at high pressure and implications for seismic velocities in subducted slabs. Physics of the Earth and Planetary Interiors, 2019, 288, 1-8.	0.7	7
1255	Geochemical mapping of slab-derived fluid and source mantle along Japan arcs. Gondwana Research, 2019, 70, 36-49.	3.0	14

#	Article	IF	Citations
1256	Effects of fluid influx, fluid viscosity, and fluid density on fluid migration in the mantle wedge and their implications for hydrous melting. , 2019, 15, 1-23.		27
1257	åœ°æ®»æµä½“ã®èµ·æºãƒ»å^†å¸ƒã¨åœ°éœ‡ç¾è±¡. Journal of Geography (Chigaku Zasshi), 2019, 128, 761-783.	0.1	3
1258	Petrographic, Geochemical and Isotopic (Srâ€"Ndâ€"Pbâ€"Os) Study of Plio-Quaternary Volcanics and the Tertiary Basement in the Jorullo-TacÃ¡mbaro Area, MichoacÃ¡n-Guanajuato Volcanic Field, Mexico. Journal of Petrology, 2019, 60, 2317-2338.	1.1	8
1259	Dehydration of Glaucophane in the System Na2Oâ€"MgOâ€"Al2O3â€"SiO2â€"H2O and the Effects of NaCl-, CO2- and Silicate-bearing Aqueous Fluids. Journal of Petrology, 2019, 60, 2369-2386.	1.1	4
1260	Saline aqueous fluid circulation in mantle wedge inferred from olivine wetting properties. Nature Communications, 2019, 10, 5557.	5.8	18
1262	Influence of pH on Molecular Hydrogen (H2) Generation and Reaction Rates during Serpentinization of Peridotite and Olivine. Minerals (Basel, Switzerland), 2019, 9, 661.	0.8	9
1263	Electrical Conductivity of Omphacite as a Function of Water Content and Implications for High Conductivity Anomalies in the Dabieâ€Sulu UHPM Belts and Tibet. Journal of Geophysical Research: Solid Earth, 2019, 124, 12523-12536.	1.4	6
1264	Tectonic Controls on Carbon and Serpentinite Storage in Subducted Upper Oceanic Lithosphere for the Past 320 Ma. Frontiers in Earth Science, 2019, 7, .	0.8	16
1265	A Cr3+ luminescence study of natural topaz Al2SiO4(F,OH)2 up to 60 GPa. American Mineralogist, 2019, 104, 1656-1662.	0.9	10
1266	Late Orogenic Heating of (Ultra)High Pressure Rocks: Slab Rollback vs. Slab Breakoff. Geosciences (Switzerland), 2019, 9, 499.	1.0	33
1267	Understanding the isotopic and chemical evolution of Yellowstone hot spot magmatism using magmatic-thermomechanical modeling. Journal of Volcanology and Geothermal Research, 2019, 370, 13-30.	0.8	12
1268	Recycled Components in Mantle Plumes Deduced From Variations in Halogens (Cl, Br, and I), Trace Elements, and 3 He/ 4 He Along the Hawaiianâ€Emperor Seamount Chain. Geochemistry, Geophysics, Geosystems, 2019, 20, 277-294.	1.0	10
1269	High-pressure and high-temperature stability of chlorite and 23-Ã… phase in the natural chlorite and synthetic MASH system. Comptes Rendus - Geoscience, 2019, 351, 104-112.	0.4	5
1270	Aqueous fluids as transport medium at high pressure and temperature: Ti4+ solubility, solution mechanisms, and fluid composition. Chemical Geology, 2019, 505, 57-65.	1.4	4
1271	Geochemical and petrological diversity of mafic magmas from Mount St. Helens. Contributions To Mineralogy and Petrology, 2019, 174, 1.	1.2	22
1272	Effect of water on the magnesiteâ€"iron interaction, with implications for the fate of carbonates in the deep mantle. Lithos, 2019, 326-327, 435-445.	0.6	10
1273	Comments on â€œUsing the viscoelastic relaxation of large impact craters to study the thermal history of Marsâ€• (Karimi etÂ al., 2016, Icarus 272, 102â€"113) and â€œStudying lower crustal flow beneath mead basin: Implications for the thermal history and rheology of Venusâ€• (Karimi and Dombard, 2017, Icarus 282,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	4
1274	Episodic crustal growth and reworking of the Yudongzi terrane, South China: Constraints from the Archean TTGs and potassic granites and Paleoproterozoic amphibolites. Lithos, 2019, 326-327, 1-18.	0.6	67

#	Article	IF	Citations
1275	Effects of melting, subduction-related metasomatism, and sub-solidus equilibration on the distribution of water contents in the mantle beneath the Rio Grande Rift. Geochimica Et Cosmochimica Acta, 2019, 266, 351-381.	1.6	11
1276	Dynamics of backâ€arc extension controlled by subducting slab retreat: Insights from 2D thermoâ€mechanical modelling. Geological Journal, 2019, 54, 3376-3388.	0.6	1
1277	Thermal evolution of an ancient subduction interface revealed by Luâ€“Hf garnet geochronology, HalilbaÄŸÄ± Complex (Anatolia). Geoscience Frontiers, 2019, 10, 127-148.	4.3	47
1278	Iron and magnesium isotopic compositions of subduction-zone fluids and implications for arc volcanism. Geochimica Et Cosmochimica Acta, 2020, 278, 376-391.	1.6	46
1279	Formation and evolution of a subduction-related mÃ©lange: The example of the Rocca Canavese Thrust Sheets (Western Alps). Bulletin of the Geological Society of America, 2020, 132, 884-896.	1.6	29
1281	Early growth of the Indian lithosphere: Implications from the assembly of the Dharwar Craton and adjacent granulite blocks, southern India. Precambrian Research, 2020, 336, 105491.	1.2	17
1282	Lawsonite-rich layers as records of fluid and element mobility in subducted crust (Sivrihisar Massif,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	10
1283	Evolution and maturation of the nascent Mariana arc. Earth and Planetary Science Letters, 2020, 530, 115912.	1.8	26
1284	Analogous diagenetic conditions of dark enclave and its host granite derived by magma mixing: Evidence for a post-mixing magmatic process. Lithos, 2020, 356-357, 105373.	0.6	10
1285	Accretion of oceanic plateaus at continental margins: Numerical modeling. Gondwana Research, 2020, 81, 390-402.	3.0	30
1286	Diachronous uplift in intra-continental orogeny: 2D thermo-mechanical modeling of the India-Asia collision. Tectonophysics, 2020, 775, 228310.	0.9	17
1287	P-T-melt/fluid evolution of abyssal mantle peridotites from the Nagaland Ophiolite Complex, NE India: Geodynamic significance. Lithos, 2020, 354-355, 105344.	0.6	14
1288	Metamorphism, fluid behavior and magmatism in oceanic subduction zones. Science China Earth Sciences, 2020, 63, 52-77.	2.3	15
1289	Chemical geodynamics of mafic magmatism above subduction zones. Journal of Asian Earth Sciences, 2020, 194, 104185.	1.0	92
1290	Subduction-related petrogenesis of Late Archean calc-alkaline lamprophyres in the Yilgarn Craton (Western Australia). Precambrian Research, 2020, 338, 105550.	1.2	29
1291	How many subductions in the Variscan orogeny? Insights from numerical models. Geoscience Frontiers, 2020, 11, 1025-1052.	4.3	19
1292	Silicon isotope composition of subduction zone fluids as recorded by jadeitites from Myanmar. Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	4
1293	Lattice Preferred Orientation and Deformation Microstructures of Glaucophane and Epidote in Experimentally Deformed Epidote Blueschist at High Pressure. Minerals (Basel, Switzerland), 2020, 10, 803.	0.8	9

#	Article	IF	Citations
1294	Aleutian island arc magma production rates and primary controlling factors. Marine Geology, 2020, 430, 106346.	0.9	6
1295	Building cratonic keels in Precambrian plate tectonics. Nature, 2020, 586, 395-401.	13.7	43
1296	Numerical modeling of post-collisional carbonated alkaline magmatism: Variscan style Orogeny (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	3
1297	The Waterâ€Saturated Solidus and Second Critical Endpoint of Peridotite: Implications for Magma Genesis Within the Mantle Wedge. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019452.	1.4	20
1299	Women and Underrepresented Minorities in Academic Anesthesiology. Anesthesiology Clinics, 2020, 38, 449-457.	0.6	8
1300	How massive online experiments (MOEs) can illuminate critical and sensitive periods in development. Current Opinion in Behavioral Sciences, 2020, 36, 135-143.	2.0	3
1303	Neutrophil extracellular traps in autoimmune diseases. Revista Colombiana De ReumatologÃa, 2020, 27, 4-14.	0.0	0
1304	An accurate and rapid single step protocol for enumeration of cytokine positive T lymphocytes. Journal of Immunology and Regenerative Medicine, 2020, 9, 100032.	0.2	0
1308	SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. Cell Metabolism, 2020, 32, 1063-1075.e7.	7.2	189
1309	Current research in immunology inaugural editorial. Current Research in Immunology, 2020, 1, ii.	1.2	0
1310	Laser induced breakdown spectroscopy for elemental analysis and discrimination of honey samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 172, 105969.	1.5	24
1311	Classifying the type of delivery from cardiotocographic signals: A machine learning approach. Computer Methods and Programs in Biomedicine, 2020, 196, 105712.	2.6	47
1312	The effect of co-cultivation of Rhodococcus erythropolis with other bacterial strains on biological activity of synthesized surface-active substances. Enzyme and Microbial Technology, 2020, 142, 109677.	1.6	4
1313	Discovery of novel potential plant growth regulators from Corydalis mucronifera. FÃ¬toterapÃ¬Ã¢, 2020, 147, 104776.	1.1	3
1314	Effects of doping Ti3SiC2 with Al on interfacial microstructural evolution, growth kinetics and mechanical properties of Ti3SiC2/TiAl joints. Journal of Materials Research and Technology, 2020, 9, 13206-13215.	2.6	3
1315	Tasks and interfaces in primary and specialized palliative care for Duchenne muscular dystrophy â€“ A patientsâ€™ perspective. Neuromuscular Disorders, 2020, 30, 975-985.	0.3	8
1316	Which surgical patients require shared care?. Revista Clínica Espanõla, 2020, 220, 578-582.	0.3	0
1317	2020 Prescott Lecture: Spheres of Influence, Care, and Importance. Journal of the American Pharmacists Association: JAPhA, 2020, 60, e5-e8.	0.7	1

#	Article	IF	Citations
1318	The deformation characteristics and flow field around knotless polyethylene netting based on fluid structure interaction (FSI) one-way coupling. Aquaculture and Fisheries, 2022, 7, 89-102.	1.2	7
1319	Old/New Subduction Zone Paradigms as Seen From the Cascades. Frontiers in Earth Science, 2020, 8, .	0.8	14
1320	Two MADS-box genes regulate vascular cambium activity and secondary growth by modulating auxin homeostasis in Populus. Plant Communications, 2021, 2, 100134.	3.6	28
1322	Dispensation des vasoconstricteurs par voie orale. Actualites Pharmaceutiques, 2020, 59, 42-45.	0.0	0
1323	Lipoprotein(a) and proprotein convertase subtilisin/kexin type 9 in a representative sample of young males. Atherosclerosis, 2020, 315, e146.	0.4	0
1324	Use of lipoprotein(A) testing in a lipid clinic population: Request indications, change in management and family cascade testing. Atherosclerosis, 2020, 315, e244.	0.4	0
1325	Fillers â€“ maybe not so fulfilling. British Journal of Oral and Maxillofacial Surgery, 2020, 58, e139.	0.4	0
1326	Strengthening the identity of OMFS for the next generation of healthcare professionals. British Journal of Oral and Maxillofacial Surgery, 2020, 58, e213.	0.4	0
1329	Percutaneous-Assisted Extraction of Maldeployed VIATORR Endoprosthesis. Journal of Vascular and Interventional Radiology, 2020, 31, 2104-2105.	0.2	0
1331	DNA methylation is linked with the cortisol response to stress in early life. Psychoneuroendocrinology, 2020, 119, 104986.	1.3	0
1335	Age-dependent palmitic acid effect on JNK activation in rat hepatocytes. Atherosclerosis, 2020, 315, e160.	0.4	0
1336	Spatial inequality and aspirations for economic inclusion among Latin American youth. Children and Youth Services Review, 2020, 118, 105496.	1.0	0
1337	Photo-initiated polymer brush grafting and multi-stage assembly of hydrophobic oil-absorbing self-cleaning cotton fabrics for acidic and alkaline environments. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 256-265.	2.7	8
1341	13035 Multiple carotenoids supplementation enhances human skin protection against ultraviolet Aâ€“induced skin pigmentation: A randomized, double-blind, placebo-controlled clinical trial. Journal of the American Academy of Dermatology, 2020, 83, AB4.	0.6	3
1342	17489 Effects of semiablative fractional radiofrequency associated with growth factors in striae alba treatment: A randomized clinical trial. Journal of the American Academy of Dermatology, 2020, 83, AB83.	0.6	0
1344	Pelvic lymph node dissection in prostate cancer: laparoscopy is not dead. Actas UrolÃ³gicas EspaÃ±olas (English Edition), 2020, 44, 682-691.	0.2	0
1348	A comprehensive multi-directional exploration of phytochemicals and bioactivities of flower extracts from Delonix regia (Bojer ex Hook.) Raf., Cassia fistula L. and Lagerstroemia speciosa L.. Biochemistry and Biophysics Reports, 2020, 24, 100805.	0.7	6
1349	Food environment interventions targeting children and adolescents: A scoping review. Global Food Security, 2020, 27, 100403.	4.0	31

#	Article	IF	Citations
1350	The pandemic and the ethical dilemma of limited resources: Who to treat?. Bioethics Update, 2020, 6, 67-79.	0.5	3
1352	Modified Cyclodextrins Solubilize Elemental Sulfur in Water and Enable Biological Sulfane Sulfur Delivery. Free Radical Biology and Medicine, 2020, 159, S19.	1.3	0
1355	Limb and component alignment after total knee arthroplasty comparing 28 consecutive iAssist and 28 conventional TKAs: A prospective study. Knee, 2020, 27, 1881-1888.	0.8	4
1356	A computer system supporting agricultural machinery and farm tractor purchase decisions. Heliyon, 2020, 6, e05039.	1.4	11
1358	Deep decoupling in subduction zones: Observations and temperature limits. , 2020, 16, 1408-1424.		30
1359	DiagnÃ³stico y abordaje de las alteraciones asociadas a la enfermedad de Parkinson en atenciÃ³n primaria. FMC Formacion Medica Continuada En Atencion Primaria, 2020, 27, 293-299.	0.0	0
1360	Advances in the thermal and petrologic modeling of subduction zones. , 2020, 16, 936-952.		24
1361	Assessing effects of ultra-high-pressure liquid chromatography instrument configuration on dispersion, system pressure, and retention. Journal of Chromatography A, 2020, 1634, 461660.	1.8	4
1362	The potential effectiveness of acetazolamide in the prevention of acute kidney injury in COVID-19: A hypothesis. European Journal of Pharmacology, 2020, 888, 173487.	1.7	8
1363	Sex-specific association of resting heart rate with type 2 diabetes mellitus. Journal of Diabetes and Its Complications, 2020, 34, 107754.	1.2	3
1365	Are Chinese kindergarten teachers professionally qualified? Evidence from the triangulated perspectives of stakeholders. Children and Youth Services Review, 2020, 118, 105400.	1.0	3
1366	Efficacy of meropenem and amikacin combination therapy against carbapenemase-producing Klebsiella pneumoniae mouse model of pneumonia. Journal of Infection and Chemotherapy, 2020, 26, 1237-1243.	0.8	11
1367	Determination of polarization structures of an electromagnetic beam after passing through lens systems. Results in Physics, 2020, 19, 103459.	2.0	5
1369	Use of fibrin adhesive for preventing pharyngocutaneous fistula in total laryngectomy. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2020, 41, 102674.	0.6	5
1370	Straightforward prediction for air-entry value of compacted soils using machine learning algorithms. Engineering Geology, 2020, 279, 105911.	2.9	20
1371	Effects of non-uniform temperature of the ice nucleus on heterogeneous ice nucleation. International Journal of Heat and Mass Transfer, 2020, 163, 120404.	2.5	12
1372	Weak and strong solutions to the nonhomogeneous incompressible Navier-Stokes-Cahn-Hilliard system. Journal Des Mathematiques Pures Et Appliquees, 2020, 144, 194-249.	0.8	10
1373	Persistent bacteremia by Tsukamurella paurometabola secondary to placement of peripheral insertion central catheter. Medicina ClÃnica (English Edition), 2020, 155, 515-516.	0.1	0

#	Article	IF	Citations
1374	Carbamazepine â€“An oldie but a goodieâ€“A clinicianâ€™s perspective. Seizure: the Journal of the British Epilepsy Association, 2020, 83, 243-245.	0.9	3
1375	Factors influencing driver behaviour along curved merging interchange terminals. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 75, 187-202.	1.8	5
1376	Melt Focusing Along Permeability Barriers at Subduction Zones and the Location of Volcanic Arcs. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009253.	1.0	8
1377	Flat Subduction Versus Big Mantle Wedge: Contrasting Modes for Deep Hydration and Overriding Craton Modification. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020018.	1.4	16
1378	Cold Plumes Initiated by Rayleighâ€Taylor Instabilities in Subduction Zones, and Their Characteristic Volcanic Distributions: The Role of Slab Dip. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019814.	1.4	6
1379	Let there be water: How hydration/dehydration reactions accompany key Earth and life processes#. American Mineralogist, 2020, 105, 1152-1160.	0.9	10
1380	Experimental constraints on the partial melting of sediment-metasomatized lithospheric mantle in subduction zones. American Mineralogist, 2020, 105, 1191-1203.	0.9	9
1381	Blueschist: A window into high-pressure/low-temperature metamorphism and subduction zone dynamics. Science China Earth Sciences, 2020, 63, 1852-1867.	2.3	5
1382	The origin of arc basalts: New advances and remaining questions. Science China Earth Sciences, 2020, 63, 1969-1991.	2.3	21
1384	An allosteric modulator of PRC2 methyltransferase activity inhibits renal cancer cell proliferation. European Journal of Cancer, 2020, 138, S23-S24.	1.3	0
1386	Perturbation-Based Training in Combination with Functional Electrical Stimulation: A Promising Mixed-methods Case Study. Archives of Physical Medicine and Rehabilitation, 2020, 101, e26.	0.5	3
1387	Role of Self-Awareness in Initiation and Social Engagement During Post-Acute Outpatient Brain Injury Rehabilitation. Archives of Physical Medicine and Rehabilitation, 2020, 101, e42.	0.5	0
1388	Understanding Momentary Relationships of Somatic and Mood Symptoms with Social Interactions among Persons with Stroke. Archives of Physical Medicine and Rehabilitation, 2020, 101, e63.	0.5	1
1389	MTORC1 and the Rebirth of Stemness. Developmental Cell, 2020, 55, 113-115.	3.1	5
1390	Pressure ulcers related to medical device in intensive care in Indonesia: A prospective study. EnfermerÃa ClÃnica, 2020, 30, 87-91.	0.1	3
1391	Polythiophene silver bromide nanostructure as ultra-sensitive non-enzymatic electrochemical glucose biosensor. European Polymer Journal, 2020, 138, 109959.	2.6	13
1392	4 - Benefits of Flash Glucose Sensors on Type 2 Diabetes Management and Exercise Behaviour in Insulin and Noninsulin-Treated Patients: The STAND Study. Canadian Journal of Diabetes, 2020, 44, S3.	0.4	0
1393	Alignment in post-approval changes (PAC) guidelines in emerging countries may increase timely access to vaccines: An illustrative assessment by manufacturers. Vaccine: X, 2020, 6, 100075.	0.9	7

#	Article	IF	Citations
1394	Data-driven feedforward tuning using non-causal rational basis functions: With application to an industrial flatbed printer. Mechatronics, 2020, 71, 102424.	2.0	11
1395	Fluid Infiltration Through Oceanic Lower Crust in Response to Reactionâ€Induced Fracturing: Insights From Serpentinized Troctolite and Numerical Models. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020268.	1.4	15
1396	Serpentinization of New Caledonia peridotites: from depth to (sub-)surface. Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	17
1397	Sr isotopes in arcs revisited: tracking slab dehydration using Î´88/86Sr and 87Sr/86Sr systematics of arc lavas. Geochimica Et Cosmochimica Acta, 2020, 288, 101-119.	1.6	21
1398	Partial melting of a depleted peridotite metasomatized by a MORB-derived hydrous silicate melt â€“ Implications for subduction zone magmatism. Geochimica Et Cosmochimica Acta, 2020, 290, 137-161.	1.6	22
1399	The subduction and exhumation history of the Voltri Ophiolite, Italy: Evaluating exhumation mechanisms for high-pressure metamorphic massifs. Lithos, 2020, 376-377, 105767.	0.6	14
1400	Dehydration at subduction zones and the geochemistry of slab fluids. Science China Earth Sciences, 2020, 63, 1925-1937.	2.3	7
1401	The intrinsic nature of antigorite breakdown at 3 GPa: Experimental constraints on redox conditions of serpentinite dehydration in subduction zones. Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	21
1402	Metamorphic Conditions of Neotethyan Meliatic Accretionary Wedge Estimated by Thermodynamic Modelling and Geothermobarometry (Inner Western Carpathians). Minerals (Basel, Switzerland), 2020, 10, 1094.	0.8	2
1403	The role of the antigoriteâ€‰+â€‰brucite to olivine reaction in subducted serpentinites (Zermatt,) Tj ETQq1 1 0.784314 rgBT /Over	0.5	22
1405	The secrets of Sobek â€“ A crocodile mummy mitogenome from ancient Egypt. Journal of Archaeological Science: Reports, 2020, 33, 102483.	0.2	4
1407	Epidemiology of rotavirus diarrhea among children less than 5Âyears hospitalized with acute gastroenteritis prior to rotavirus vaccine introduction in India. Vaccine, 2020, 38, 8154-8160.	1.7	15
1408	52: Futile Radiotherapy At The End of Life: Determining Predictors of Palliative Radiotherapy Not Taken to Completion. Radiotherapy and Oncology, 2020, 150, S26.	0.3	1
1409	145: Exploring Factors Associated with Error Detection by Radiotherapy Workflow Safety Barriers. Radiotherapy and Oncology, 2020, 150, S63.	0.3	0
1412	Plasma fatty acids and kidney function decline: a prospective analysis of the alpha omega cohort. Clinical Nutrition ESPEN, 2020, 40, 490.	0.5	0
1413	Scored-glim as a better tool for predicting cancer patient survival. Clinical Nutrition ESPEN, 2020, 40, 564.	0.5	0
1414	Evaluation of peripherally inserted central catheters (picc) for parenteral nutrition by intracavitary electrocardiogram verification method in our hospital setting.. Clinical Nutrition ESPEN, 2020, 40, 579.	0.5	0
1415	Entropy conservation property and entropy stabilization of high-order continuous Galerkin approximations to scalar conservation laws. Computers and Fluids, 2020, 213, 104742.	1.3	14

#	Article	IF	Citations
1416	Imaging the Fossa Ovalis With Electroanatomical Voltage Mapping. JACC: Clinical Electrophysiology, 2020, 6, 1599-1601.	1.3	0
1417	Impact of Simulation-Based Training on Radiation Therapistsâ€™ Workload, Situation Awareness, and Performance. Advances in Radiation Oncology, 2020, 5, 1106-1114.	0.6	4
1419	Elementary School-Aged Children in Therapeutic Residential Care: Examining Latent Classes, Service Provision, and Outcomes. Child Abuse and Neglect, 2020, 108, 104661.	1.3	0
1420	The Role of Dermal Regenerative Templates in Complex Lower Extremity Wounds. Clinics in Podiatric Medicine and Surgery, 2020, 37, 803-820.	0.2	4
1421	Can a Pulmonary Artery Catheter Improve Outcomes in Cardiogenic Shock?. JACC: Heart Failure, 2020, 8, 914-916.	1.9	3
1422	Superhydrophobic, stretchable and conductive elastomeric strip for human motion detection. Materials Letters, 2020, 280, 128591.	1.3	3
1424	Enhance oil recovery in low permeability reservoirs: Optimization and evaluation of ultra-high molecular weight HPAM / phenolic weak gel system. Journal of Petroleum Science and Engineering, 2020, 195, 107908.	2.1	29
1425	Observation of the 02+ and Î³ bands in 98Ru, and shape coexistence in the Ru isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135762.	1.5	6
1426	Petrochronology of Wadi Tayin Metamorphic Sole Metasediment, With Implications for the Thermal and Tectonic Evolution of the Samail Ophiolite (Oman/UAE). Tectonics, 2020, 39, e2020TC006135.	1.3	24
1427	Short-term drought exposure decelerated growth and photosynthetic activities in chili pepper (Capsicum annuum L.). Annals of Agricultural Sciences, 2020, 65, 149-158.	1.1	11
1428	Flexion deformity and laxity as a function of knee position at the time of tensioning of rigid anatomic hamstring ACL grafts. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2020, 22, 67-73.	0.4	0
1429	Built-up areas within and around protected areas: Global patterns and 40-year trends. Global Ecology and Conservation, 2020, 24, e01291.	1.0	14
1430	OCT Angiography of Macular Telangiectasia in Dyskeratosis Congenita. Ophthalmology Retina, 2020, 4, 451.	1.2	0
1431	Eplerenone for chronic central serous chorioretinopathy â€“ Authors' reply. Lancet, The, 2020, 396, 1557-1558.	6.3	2
1433	Analysis of Facilitated Ion Transfer across Liquid-Liquid Interfaces Using Collision Electrochemisty. Chinese Journal of Analytical Chemistry, 2020, 48, 1535-1541.	0.9	2
1436	PLFSS 2021 : 2 milliards dâ€™euros provisionnÃ©s pour les tests. Option/Bio, 2020, 31, 1.	0.0	0
1438	Dabrafenib plus trametinib in patients with BRAFV600E-mutated biliary tract cancer. Lancet Oncology, The, 2020, 21, e515.	5.1	8
1439	17 A Randomized Study of Greater Occipital Nerve Block With Bupivacaine versus Intravenous Metoclopramide for Acute Migraine. Annals of Emergency Medicine, 2020, 76, S7.	0.3	0

#	Article	IF	Citations
1440	131 A Novel Mobile Integrated Health Program for COVID-19 Response. Annals of Emergency Medicine, 2020, 76, S52.	0.3	0
1441	295 Roadway to Disaster: Adult All-Terrain Vehicle Crashes on Iowa Roads. Annals of Emergency Medicine, 2020, 76, S114.	0.3	0
1442	Quick COVID-19 Healers Sustain Anti-SARS-CoV-2 Antibody Production. Cell, 2020, 183, 1496-1507.e16.	13.5	182
1444	Middle Pliocene hominin distribution patterns in Eastern Africa. Journal of Human Evolution, 2020, 147, 102856.	1.3	7
1445	Nurse-Driven Initiative to Increase Awareness During Perioperative Interprofessional Huddles of Women at Risk for Postpartum Hemorrhage. JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing, 2020, 49, S23.	0.2	0
1446	Insulin Management Protocol for Obstetric Patients With Gestational or Type 2 Diabetes. JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing, 2020, 49, S48.	0.2	0
1447	A Pregnant Patient With Transposition of the Great Arteries. JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing, 2020, 49, S64-S65.	0.2	0
1449	Monitoring of air emissions in maritime ports. Transportation Research, Part D: Transport and Environment, 2020, 87, 102479.	3.2	23
1451	Drug schedule control status does not limit profit growth: Comparative 4-year analysis. Journal of Pharmacological and Toxicological Methods, 2020, 105, 106837.	0.3	0
1452	Letter to the Editor: â€œBeyond Containment: Tracking the Impact of Coronavirus Disease 2019 (COVID-19) on Neurosurgery Services in Iraqâ€• World Neurosurgery, 2020, 143, 619-620.	0.7	4
1453	Academic Output of the Neurosurgery Profession During the COVID-19 Pandemic. World Neurosurgery, 2020, 143, 572-574.	0.7	1
1454	Intact value-based decision-making during intertemporal choice in women with remitted anorexia nervosa? An fMRI study. Journal of Psychiatry and Neuroscience, 2020, 45, 108-116.	1.4	16
1456	The optimal target tacrolimus level after liver transplantation for hepatocellular carcinoma. Hpb, 2020, 22, S126-S127.	0.1	0
1457	Comparative analysis of the gamma prime phase formation in nickel alloys in additive manufacturing. Procedia CIRP, 2020, 94, 320-323.	1.0	4
1458	Resultados clÃnicos actuales en insuficiencia tricÃºspide y experiencia inicial con el sistema TricValve en EspaÃ±a. Revista Espanola De Cardiologia, 2020, 73, 853-854.	0.6	10
1459	AUTHOR REPLY. Urology, 2020, 145, 119.	0.5	1
1460	EDITORIAL COMMENT. Urology, 2020, 145, 171.	0.5	0
1462	Raman spectroscopic constraints on compression and metastability of the amphibole tremolite at high pressures and temperatures. Physics and Chemistry of Minerals, 2020, 47, 1.	0.3	5

#	Article	IF	Citations
1463	Systematics of H2 and H2O evolved from chlorites during oxidative dehydrogenation. American Mineralogist, 2020, 105, 932-944.	0.9	6
1464	An experimental study of trace element mobility during dehydration of lawsonite blueschist along different P-T paths: Implications for geochemical heterogeneity of Earthâ€™s mantle. Journal of Asian Earth Sciences, 2020, 197, 104389.	1.0	0
1465	Massive formation of lawsonite in subducted sediments from the Schistes LustrÃ©s (W. Alps): Implications for mass transfer and decarbonation in cold subduction zones. Lithos, 2020, 370-371, 105629.	0.6	13
1466	Lawsonite composition and zoning as tracers of subduction processes: A global review. Lithos, 2020, 370-371, 105636.	0.6	18
1467	The effects of the thermal state of overriding continental plate on subduction dynamics: Two-dimensional thermal-mechanical modeling. Science China Earth Sciences, 2020, 63, 1519-1539.	2.3	7
1468	Pâ€“T evolution and tectonic significance of lawsoniteâ€bearing schists from the eastern segment of the southwestern Tianshan, China. Journal of Metamorphic Geology, 2020, 38, 935-962.	1.6	7
1469	The distribution and abundance of halogens in eclogites: An in situ SIMS perspective of the Raspas Complex (Ecuador). American Mineralogist, 2020, 105, 307-318.	0.9	15
1470	Evolution of geodynamic processes in Neoarchean Kadiri greenstone belt, eastern Dharwar Craton, India: Implications on the migrating arc magmatism. Journal of Geodynamics, 2020, 136, 101717.	0.7	5
1471	Seismically-induced serpentine dehydration as a possible mechanism of water release in subduction zones. Insights from the Alpine Corsica pseudotachylyte-bearing Monte Maggiore ophiolitic unit. Lithos, 2020, 362-363, 105474.	0.6	6
1472	Correlation of Quaternary Volcano Clusters With Partial Melting of Mantle Wedge, Northeast Japan: A Numerical Model Study. Geophysical Research Letters, 2020, 47, e2019GL086205.	1.5	8
1473	The static and time-dependent signature of oceanâ€“continent and oceanâ€“ocean subduction: the case studies of Sumatra and Mariana complexes. Geophysical Journal International, 2020, 221, 788-825.	1.0	5
1474	Aqueous fluids are effective oxidizing agents of the mantle in subduction zones. Contributions To Mineralogy and Petrology, 2020, 175, 1.	1.2	39
1475	The geodynamic history of the Famatinian arc, Argentina: A record of exposed geology over the type section (latitudes 27Â°- 33Â° south). Journal of South American Earth Sciences, 2020, 100, 102558.	0.6	41
1476	Metamorphic Evolution of Garnet-Bearing Ultramafic Rocks in the Hujialin Area, Sulu Ultrahigh-Pressure Orogenic Belt, Eastern China. Minerals (Basel, Switzerland), 2020, 10, 225.	0.8	1
1477	Strain-Induced Fabric Transition of Chlorite and Implications for Seismic Anisotropy in Subduction Zones. Minerals (Basel, Switzerland), 2020, 10, 503.	0.8	4
1478	Slabitization: Mechanisms controlling subduction development and viscous coupling. Earth-Science Reviews, 2020, 208, 103259.	4.0	42
1479	Effect of pressure on the kinetics of peridotite serpentinization. Physics and Chemistry of Minerals, 2020, 47, 1.	0.3	10
1480	Can Grain Size Reduction Initiate Transform Faults?â€”Insights From a 3â€Ð Numerical Study. Tectonics, 2020, 39, e2019TC005793.	1.3	15

#	Article	IF	Citations
1481	Paleoproterozoic oceanic subduction in the North China Craton: Insights from the metamorphic Pâ€“Tâ€“t paths of the Chicheng MÃ©lange in the Hongqiyingzi Complex. Precambrian Research, 2020, 342, 105671.	1.2	22
1482	Craton destruction links to the interaction between subduction and mid-lithospheric discontinuity: Implications for the eastern North China Craton. Gondwana Research, 2020, 83, 49-62.	3.0	14
1483	Silicon isotopic fractionation during metamorphic fluid activities: constraints from eclogites and ultrahigh-pressure veins in the Dabie orogen, China. Chemical Geology, 2020, 540, 119550.	1.4	8
1484	Barium isotope systematics of subduction zones. Geochimica Et Cosmochimica Acta, 2020, 275, 1-18.	1.6	32
1485	Precambrian deformation belts in compressive tectonic regimes: A numerical perspective. Tectonophysics, 2020, 777, 228350.	0.9	10
1486	Upper Plate Stress Controls the Distribution of Mariana Arc Volcanoes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017391.	1.4	9
1487	High pressure melting of eclogites and metasomatism of garnet peridotites from Monte Duria Area (Central Alps, N Italy): A proxy for melt-rock reaction during subduction. Lithos, 2020, 358-359, 105391.	0.6	6
1488	Subduction Initiation During Collisionâ€Induced Subduction Transference: Numerical Modeling and Implications for the Tethyan Evolution. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019288.	1.4	29
1489	Trace Elements and Li Isotope Compositions Across the Kamchatka Arc: Constraints on Slabâ€Derived Fluid Sources. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019237.	1.4	12
1490	Variscan eclogites from the Argenteraâ€“Mercantour Massif (External Crystalline Massifs, SW Alps): a dismembered cryptic suture zone. International Journal of Earth Sciences, 2020, 109, 1273-1294.	0.9	16
1491	Variant across-forearc compositions of slab-fluids recorded by serpentinites: Implications on the mobilization of FMEs from an active subduction zone (Mariana forearc). Lithos, 2020, 364-365, 105525.	0.6	9
1492	Serpentinization, Deformation, and Seismic Anisotropy in the Subduction Mantle Wedge. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC008950.	1.0	13
1493	Amagmatic Subduction Produced by Mantle Serpentinization and Oceanic Crust Delamination. Geophysical Research Letters, 2020, 47, e2019GL086257.	1.5	13
1494	Changes in the cell parameters of antigorite close to its dehydration reaction at subduction zone conditions. American Mineralogist, 2020, 105, 569-582.	0.9	12
1495	Tectono-metamorphic evolution of UHP Zermatt-Saas serpentinites: a tool for vertical palaeogeographic restoration. International Geology Review, 2021, 63, 1236-1261.	1.1	8
1497	Lithium cation conductivity of solid solutions in Li6-2xMxZr2O7 (MÂ= Mg, Ca, Zn) systems. Journal of Alloys and Compounds, 2021, 850, 156809.	2.8	4
1498	Lead-time bias does not falsify the efficacy of early salvage radiotherapy for recurrent prostate cancer. Radiotherapy and Oncology, 2021, 154, 255-259.	0.3	6
1499	Study of laminar burning speed and calibration coefficients of quasi-dimensional combustion model for hydrogen enriched compressed natural gas fueled internal combustion engine along with exhaust gas recirculation. Fuel, 2021, 283, 119284.	3.4	15

#	Article	IF	Citations
1500	Effect of water solubilities on dehydration and hydration in subduction zones and water transport to the deep mantle: Implications for natural subduction zones. Gondwana Research, 2021, 89, 287-305.	3.0	8
1501	The relationship between visitor satisfaction, expectation and spending in a sport event. European Research on Management and Business Economics, 2021, 27, 100132.	3.4	13
1502	Nanostructural and nanoindentation characterization of ZrB2 ceramics toughened with in-situ synthesized ZrC. International Journal of Refractory Metals and Hard Materials, 2021, 94, 105391.	1.7	15
1503	Physical activity, dietary habits and sleep quality before and during COVID-19 lockdown: A longitudinal study. Appetite, 2021, 158, 105019.	1.8	231
1504	Azacarbazole n-3 and n-6 polyunsaturated fatty acids ethyl esters nanoemulsion with enhanced efficacy against Plasmodium falciparum. Bioactive Materials, 2021, 6, 1163-1174.	8.6	9
1505	High-precision resistance strain sensors of multilayer composite structure via direct ink writing: Optimized layer flatness and interfacial strength. Composites Science and Technology, 2021, 201, 108530.	3.8	26
1506	Ten years of research on synergisms and antagonisms in chemical mixtures: A systematic review and quantitative reappraisal of mixture studies. Environment International, 2021, 146, 106206.	4.8	153
1507	Conserved quantities, optimal system and explicit solutions of a (1Â+Â1)-dimensional generalised coupled mKdV-type system. Journal of Advanced Research, 2021, 29, 159-166.	4.4	10
1508	Nutritional and bioactive potential of seagrasses: A review. South African Journal of Botany, 2021, 137, 216-227.	1.2	27
1509	Medication transitions: Vulnerable periods of change in need of human factors and ergonomics. Applied Ergonomics, 2021, 90, 103279.	1.7	17
1510	A single semi-analytical algorithm to retrieve chlorophyll-a concentration in oligo-to-hypereutrophic waters of a tropical reservoir cascade. Ecological Indicators, 2021, 120, 106913.	2.6	19
1511	Highly efficient approach to numerical solutions of two different forms of the modified Kawahara equation via contribution of two effective methods. Mathematics and Computers in Simulation, 2021, 179, 111-125.	2.4	17
1512	The Molecular Pathophysiology of Concussion. Clinics in Sports Medicine, 2021, 40, 39-51.	0.9	10
1513	A new-intelligent method for evaluating the lightning protection system performance of complex and asymmetric structures. Electric Power Systems Research, 2021, 190, 106843.	2.1	5
1514	Experimental study of metamorphic reactions and dehydration processes at the blueschistâ€“eclogite transition during warm subduction. Journal of Metamorphic Geology, 2021, 39, 39-56.	1.6	4
1515	Thermoelasticity and stability of natural epidote at high pressure and high temperature: Implications for water transport during cold slab subduction. Geoscience Frontiers, 2021, 12, 921-928.	4.3	7
1516	Determining the insurance value of ecosystems: A discrete choice study on natural hazard protection by forests. Ecological Economics, 2021, 180, 106866.	2.9	12
1517	Spin textures and magnetotransport properties in cobalt/ruthenium and cobalt/palladium bilayers. Journal of Magnetism and Magnetic Materials, 2021, 519, 167447.	1.0	1

#	Article	IF	Citations
1518	Structural and vibrational analyses of CePO4 synthetic monazite samples under an optimized precipitation process. Journal of Molecular Structure, 2021, 1223, 129150.	1.8	8
1519	Special unitary particle pusher for extreme fields. Computer Physics Communications, 2021, 258, 107628.	3.0	11
1520	Health policy versus kava (Piper methysticum): Anxiolytic efficacy may be instrumental in restoring the reputation of a major South Pacific crop. Journal of Ethnopharmacology, 2021, 268, 113582.	2.0	6
1521	A statistical approach to estimate equilibrium line altitude (ELA) and its trend analysis on Naradu Glacier, Himachal Himalaya. Materials Today: Proceedings, 2021, 34, 869-874.	0.9	1
1522	Concordance between a neuroradiologist, a consultant radiologist and trained reporting radiographers interpreting MRI head examinations: An empirical study. Radiography, 2021, 27, 475-482.	1.1	3
1523	Hedging renewable energy investments with Bitcoin mining. Renewable and Sustainable Energy Reviews, 2021, 138, 110520.	8.2	34
1524	MicroRNA expression dynamics reshape the cultivar-specific response of pepper (Capsicum annuum L.) to potato spindle tuber viroid (PSTVd) infection. Scientia Horticulturae, 2021, 278, 109845.	1.7	4
1525	Repurposed drugs and nutraceuticals targeting envelope protein: A possible therapeutic strategy against COVID-19. Genomics, 2021, 113, 1129-1140.	1.3	22
1526	Analysis of the construction of a reinforced-concrete free-form roof formwork and the development of a unit-construction method. Journal of Building Engineering, 2021, 34, 101924.	1.6	6
1527	David Krieg is the winner of the 2020 Joseph F. Traub Information-Based Complexity Young Researcher Award. Journal of Complexity, 2021, 62, 101535.	0.7	0
1528	Thermal comfort in university classrooms: An experimental study in the tropics. Building and Environment, 2021, 187, 107430.	3.0	45
1529	Transactivation of G protein-coupled receptors (GPCRs) and receptor tyrosine kinases (RTKs): Recent insights using luminescence and fluorescence technologies. Current Opinion in Endocrine and Metabolic Research, 2021, 16, 102-112.	0.6	38
1530	A statistical approach to signal denoising based on data-driven multiscale representation. , 2021, 108, 102896.		22
1531	Total factor energy efficiency in Chinese manufacturing industry under industry and regional heterogeneities. Resources, Conservation and Recycling, 2021, 168, 105255.	5.3	49
1532	Spectral subdomains and prior estimation of leaf structure improves PROSPECT inversion on reflectance or transmittance alone. Remote Sensing of Environment, 2021, 252, 112176.	4.6	32
1533	Study on the interactive effect of deoxynivalenol and Clostridium perfringens on the jejunal health of broiler chickens. Poultry Science, 2021, 100, 100807.	1.5	13
1534	A free convection heat transfer correlation for very thin horizontal wires in rarefied atmospheres. Experimental Thermal and Fluid Science, 2021, 122, 110295.	1.5	3
1535	Durvalumab therapy following chemoradiation compared with a historical cohort treated with chemoradiation alone in patients with stage III nonâ€“small cell lung cancer: A real-world multicentre study. European Journal of Cancer, 2021, 142, 83-91.	1.3	48

#	Article	IF	Citations
1536	Hallazgos por OCT a largo plazo tras endarterectomÃa quirÃºrgica. Revista Espanola De Cardiologia, 2021, 74, 547.	0.6	0
1537	Interoperability of ECOSTRESS and Landsat for mapping evapotranspiration time series at sub-field scales. Remote Sensing of Environment, 2021, 252, 112189.	4.6	71
1538	A cooperative game theory based user-centered medical device design decision approach under uncertainty. Advanced Engineering Informatics, 2021, 47, 101204.	4.0	20
1539	Comparison of high temperature growth versus post-deposition in situ annealing in attaining very low Gilbert damping in sputtered Co2FeAl Heusler alloy films. Journal of Magnetism and Magnetic Materials, 2021, 519, 167509.	1.0	21
1540	Vibration based gear fault detection. Materials Today: Proceedings, 2021, 46, 4728-4733.	0.9	0
1541	A multicenter open-label randomized phase II trial of paclitaxel plus EP-100, a novel LHRH receptor-targeted, membrane-disrupting peptide, versus paclitaxel alone for refractory or recurrent ovarian cancer. Gynecologic Oncology, 2021, 160, 418-426.	0.6	7
1542	Measurement of embodied carbon and energy of HVAC facilities in healthcare centers. Journal of Cleaner Production, 2021, 289, 125151.	4.6	20
1543	Is predictive processing a theory of perceptual consciousness?. New Ideas in Psychology, 2021, 61, 100837.	1.2	12
1544	Competition in the acquisition market and returns to bidders in Australia. Research in International Business and Finance, 2021, 55, 101339.	3.1	4
1545	NiMoO4@Ni3S2 coreâ€“shell composites grown in situ on nickel foam for applications in supercapacitors. Synthetic Metals, 2021, 271, 116638.	2.1	19
1546	Preoperative predictive criteria for mastoid extension in pars flaccida cholesteatoma in assessments using temporal bone high-resolution computed tomography. Auris Nasus Larynx, 2021, 48, 609-614.	0.5	4
1547	Growth, biostimulant and biopesticide activity of the MACC-1 Chlorella strain cultivated outdoors in inorganic medium and wastewater. Algal Research, 2021, 53, 102136.	2.4	42
1548	The effect of coppicing on insect biodiversity. Small-scale mosaics of successional stages drive community turnover. Forest Ecology and Management, 2021, 483, 118774.	1.4	17
1549	Sequential fed batch extractive fermentation for enhanced bioethanol production using recycled Spathaspora passalidarum and mixed sugar composition. Fuel, 2021, 288, 119673.	3.4	16
1550	AHNAK2 is a novel prognostic marker and correlates with immune infiltration in papillary thyroid cancer: Evidence from integrated analysis. International Immunopharmacology, 2021, 90, 107185.	1.7	24
1551	Microemulsion synthesis of 3D flower-like calcium zincate anode materials with superior high-rate and cycling property for advanced zinc-based batteries. Journal of Alloys and Compounds, 2021, 853, 156965.	2.8	9
1552	Determination of ecological networks for vegetation connectivity using GIS & AHP technique in the Mediterranean degraded karst ecosystems. Journal of Arid Environments, 2021, 188, 104385.	1.2	13
1553	Nitrogen removal performance and bacterial community in a full-scale modified Orbal oxidation ditch with internal nitrate recycle and biocarriers. Journal of Water Process Engineering, 2021, 40, 101791.	2.6	8

#	Article	IF	Citations
1554	Early lung cancer diagnostic biomarker discovery by machine learning methods. Translational Oncology, 2021, 14, 100907.	1.7	99
1557	ER/K-linkâ€"Leveraging a native protein linker to probe dynamic cellular interactions. Methods in Enzymology, 2021, 647, 173-208.	0.4	6
1558	Transcranial static magnetic field stimulation can modify disease progression in amyotrophic lateral sclerosis. Brain Stimulation, 2021, 14, 51-54.	0.7	11
1559	Cardiovascular Medications in Pregnancy. Cardiology Clinics, 2021, 39, 33-54.	0.9	5
1560	Reducing nitrogen application with dense planting increases nitrogen use efficiency by maintaining root growth in a double-rice cropping system. Crop Journal, 2021, 9, 805-815.	2.3	29
1561	Overspilling small craters on a dry Mars: Insights from breach erosion modeling. Earth and Planetary Science Letters, 2021, 554, 116671.	1.8	8
1562	Access Selection for Chronic Total Occlusion Percutaneous Coronary Intervention and Complication Management. Interventional Cardiology Clinics, 2021, 10, 109-120.	0.2	3
1563	Experimental investigation of scour around circular arrangement pile groups. Ocean Engineering, 2021, 219, 108096.	1.9	11
1564	Diagenetic facies prediction using a LDA-assisted SSOM method for the Eocene beach-bar sandstones of Dongying Depression, East China. Journal of Petroleum Science and Engineering, 2021, 196, 108040.	2.1	9
1565	A new approach to efficient and safe gas production from unsealed marine hydrate deposits. Applied Energy, 2021, 282, 116259.	5.1	28
1566	Inhibiting tribocorrosion damage of Cr/CrxN coatings by multi-layer design. Ceramics International, 2021, 47, 842-850.	2.3	7
1567	Nerolidol improves cardiac function in spontaneously hypertensive rats by inhibiting cardiac inflammation and remodelling associated TLR4/ NF-Î²B signalling cascade. Food and Chemical Toxicology, 2021, 147, 111837.	1.8	9
1568	Mid-infrared spectroscopy to trace biogeochemical changes of earthworm casts during ageing under field conditions. Geoderma, 2021, 383, 114811.	2.3	4
1569	Open CdI2 sites in coordination polymers for HCl gas sensing. Inorganic Chemistry Communication, 2021, 123, 108335.	1.8	0
1570	Review of orbital fractures in an urban level I trauma center. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2021, 131, e35.	0.2	0
1571	A study of photovoltaic degradation modes due to dust interaction on Mars. Solar Energy Materials and Solar Cells, 2021, 221, 110880.	3.0	5
1572	On complex dynamics of Cournot-Bertrand game with asymmetric market information. Applied Mathematics and Computation, 2021, 393, 125823.	1.4	19
1573	The Early Evolution of Oral Poliovirus Vaccine Is Shaped by Strong Positive Selection and Tight Transmission Bottlenecks. Cell Host and Microbe, 2021, 29, 32-43.e4.	5.1	22

#	Article	IF	Citations
1574	A 36ÂMb terminal deletion of chromosome 2BL is responsible for a wheat semi-dwarf mutation. Crop Journal, 2021, 9, 873-881.	2.3	4
1575	Comparison of laser ignition and spark plug by thermodynamic simulation of multi-zone combustion for lean methane-air mixtures in the internal combustion engine. Energy, 2021, 216, 119309.	4.5	11
1576	Metabolomics and metagenomics analysis of 18th century archaeological silk. International Biodeterioration and Biodegradation, 2021, 156, 105120.	1.9	5
1577	Hypothesis: Alpha-1-antitrypsin is a promising treatment option for COVID-19. Medical Hypotheses, 2021, 146, 110394.	0.8	42
1578	Effects of inclusion size and stress ratio on the very-high-cycle fatigue behavior of pearlitic steel. International Journal of Fatigue, 2021, 142, 105958.	2.8	21
1579	Are voluntary international migrants self-selected for entrepreneurship? An analysis of entrepreneurial personality traits. Journal of World Business, 2021, 56, 101142.	4.6	22
1580	Sex and COVID-19: A Protective Role for Reproductive Steroids. Trends in Endocrinology and Metabolism, 2021, 32, 3-6.	3.1	49
1581	Automatic classification of wall and door BIM element subtypes using 3D geometric deep neural networks. Advanced Engineering Informatics, 2021, 47, 101200.	4.0	32
1582	Pollution-induced poverty traps via Hopf bifurcation in a minimal integrated economic-environment model. Communications in Nonlinear Science and Numerical Simulation, 2021, 93, 105523.	1.7	4
1583	Limited Mantle Hydration by Bending Faults at the Middle America Trench. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020982.	1.4	18
1584	Is There a Global Carbonate Layer in the Oceanic Mantle?. Geophysical Research Letters, 2021, 48, e2020GL089752.	1.5	9
1585	Oceanic lithosphere heterogeneity in the eastern Paleo-Tethys revealed by PGE and Reâ€“Os isotopes of mantle peridotites in the Jinshajiang ophiolite. Geoscience Frontiers, 2021, 12, 101114.	4.3	3
1586	Mechanical properties of recycled aggregate concrete under compression-shear stress state. Construction and Building Materials, 2021, 271, 121894.	3.2	27
1587	An untargeted metabolomic insight into the high-pressure stress effect on the germination of wholegrain Oryza sativa L.. Food Research International, 2021, 140, 109984.	2.9	16
1588	Welding of dissimilar Mg alloys using indigenously developed friction stir welding set-up. Materials Today: Proceedings, 2021, 44, 975-978.	0.9	6
1594	Geochemistry of core sediments from the southeastern Bay of Bengal: Inferences on weathering and early diagenetic changes. Geoscience Frontiers, 2021, 12, 495-504.	4.3	4
1596	A smart and active film with tunable drug release and color change abilities for detection and inhibition of bacterial growth. Materials Science and Engineering C, 2021, 118, 111396.	3.8	25
1597	Magmatic Evolution following Damp Tholeiitic and Wet Calc-alkaline Liquid Lines of Descent: an Eastern Pontides (NE Turkey) Example. Journal of Petrology, 2021, 62, .	1.1	14

#	Article	IF	Citations
1598	Petrological Implications of Seafloor Hydrothermal Alteration of Subducted Mid-Ocean Ridge Basalt. Journal of Petrology, 2021, 61, .	1.1	21
1599	In situ observation of chrysotile decomposition in the presence of NaCl-bearing aqueous fluid up to 5ÂGPa and 400 Â°C. Mineralogy and Petrology, 2021, 115, 213-222.	0.4	4
1600	The Anomalous Seismic Behavior of Aqueous Fluids Released during Dehydration of Chlorite in Subduction Zones. Minerals (Basel, Switzerland), 2021, 11, 70.	0.8	3
1601	Metamorphic P-T-t evolution of amphibolite in the north Hengshan terrane, North China Craton: Insights into the late Paleoproterozoic tectonic processes from initial collision to final exhumation. Bulletin of the Geological Society of America, 2021, 133, 2017-2030.	1.6	10
1602	On Geothermal Problems of the Marginal Seas. Innovation and Discovery in Russian Science and Engineering, 2021, , 139-157.	0.2	0
1603	Ubiquitous postâ€peak zircon in an eclogite from the <scp>Kumdyâ€Kol</scp>, Kokchetav <scp>UHPâ€HP</scp> Massif (Kazakhstan): Significance of exhumationâ€related zircon growth and modification in continentalâ€subduction settings. Island Arc, 2021, 30, e12385.	0.5	4
1604	Subduction Zones. Encyclopedia of Earth Sciences Series, 2021, , 1728-1738.	0.1	0
1605	Magmatic flare-up causes crustal thickening at the transition from subduction to continental collision. Communications Earth & Environment, 2021, 2, .	2.6	19
1606	Insights on the deep carbon cycle from the electrical conductivity of carbon-bearing aqueous fluids. Scientific Reports, 2021, 11, 3745.	1.6	6
1607	Subduction erosion and crustal material recycling indicated by adakites in central Tibet. Geology, 2021, 49, 708-712.	2.0	22
1608	Controls of subducting slab dip and age on the extensional versus compressional deformation in the overriding plate. Tectonophysics, 2021, 801, 228716.	0.9	8
1609	Rheology of the Fluid Oversaturated Fault Zones at the Brittleâ€Plastic Transition. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020804.	1.4	6
1610	Early Miocene Post-collision Andesite in the Takab Area, NW Iran. Journal of Petrology, 2021, 62, .	1.1	8
1611	Subduction zone sulfur mobilization and redistribution by intraslab fluidâ€“rock interaction. Geochimica Et Cosmochimica Acta, 2021, 297, 40-64.	1.6	9
1612	The Deep Structure of the Alps Based on the CIFALPS Seismic Experiment: A Synthesis. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009466.	1.0	35
1613	Seismic Anisotropy in Subduction Zones: Evaluating the Role of Chloritoid. Frontiers in Earth Science, 2021, 9, .	0.8	5
1614	Thermal Monitoring of the Lithosphere by the Interaction of Deep Low-Frequency and Ordinary High-Frequency Earthquakes in Northeastern Japan. Energies, 2021, 14, 1546.	1.6	4
1615	The stability of subducted glaucophane with the Earthâ€™s secular cooling. Nature Communications, 2021, 12, 1496.	5.8	10

#	Article	IF	Citations
1616	Meta-rodingite dikes as recorders of subduction zone metamorphism and serpentinite dehydration: Voltri Ophiolite, Italy. Chemical Geology, 2021, 565, 120077.	1.4	12
1617	Halogen Bearing Amphiboles, Aqueous Fluids, and Melts in Subduction Zones: Insights on Halogen Cycle From Electrical Conductivity. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021339.	1.4	7
1618	The Fluid Mobilities of K and Zr in Subduction Zones: Thermodynamic Constraints. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	0
1619	The Role of Preâ€existing Crustal Weaknesses in the Uplift of the Eastern Tibetan Plateau: 2D Thermoâ€Mechanical Modeling. Tectonics, 2021, 40, e2020TC006444.	1.3	5
1620	Water transfer to the deep mantle through hydrous, Al-rich silicates in subduction zones. Geology, 2021, 49, 911-915.	2.0	16
1621	Slab Transport of Fluids to Deep Focus Earthquake Depthsâ€"Thermal Modeling Constraints and Evidence From Diamonds. AGU Advances, 2021, 2, e2020AV000304.	2.3	35
1622	Volcanic Lateral Collapse Processes in Mafic Arc Edifices: A Review of Their Driving Processes, Types and Consequences. Frontiers in Earth Science, 2021, 9, .	0.8	12
1623	Dry metastable olivine and slab deformation in a wet subducting slab. Nature Geoscience, 2021, 14, 526-530.	5.4	17
1624	Electrical conductivity of diaspore, Î´-AlOOH and Îµ-FeOOH. American Mineralogist, 2021, 106, 774-781.	0.9	9
1625	Barium isotope evidence for recycled crustal materials in the mantle source of continental basalts. Lithos, 2021, 390-391, 106111.	0.6	8
1626	Backarc Lithospheric Thickness and Serpentine Stability Control Slabâ€Mantle Coupling Depths in Subduction Zones. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009304.	1.0	10
1627	The composition of subduction zone fluids and the origin of the trace element enrichment in arc magmas. Contributions To Mineralogy and Petrology, 2021, 176, 1.	1.2	32
1628	Slab Temperature Evolution Over the Lifetime of a Subduction Zone. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009476.	1.0	40
1629	Kinetics of dehydrogenation of riebeckite Na2Fe3+2Fe2+3Si8O22(OH)2: an HT-FTIR study. American Mineralogist, 2021, , .	0.9	3
1630	Pervasive fluid-rock interaction in subducted oceanic crust revealed by oxygen isotope zoning in garnet. Contributions To Mineralogy and Petrology, 2021, 176, 1.	1.2	14
1631	Early Paleozoic high-temperature metamorphism of garnet amphibolite in the Longyou area, Cathaysia Block of South China: Pâ€"T path and tectonic implications. Journal of Asian Earth Sciences, 2021, 213, 104744.	1.0	7
1632	Reduced Viscosity of Mg2GeO4 with Minor MgGeO3 between 1000 and 1150 Â°C Suggests Solid-State Lubrication at the Lithosphereâ€"Asthenosphere Boundary. Minerals (Basel, Switzerland), 2021, 11, 600.	0.8	4
1633	Spatially and Geochemically Anomalous Arc Magmatism: Insights From the Andean Arc. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009688.	1.0	3

#	Article	IF	Citations
1634	Heavy magnesium isotopes in the Gangdese Magmatic Belt: Implications for magmatism in the Mesozoic subduction system of southern Tibet. Lithos, 2021, 390-391, 106106.	0.6	2
1635	Multi-phase metamorphism in the northern margin of the North China Craton: Records from metapelite in the Hongqiyingzi Complex. Gondwana Research, 2021, 98, 289-308.	3.0	6
1636	Widespread Hydration of the Back Arc and the Link to Variable Hydration of the Incoming Plate in the Lesser Antilles From Rayleigh Wave Imaging. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009707.	1.0	5
1637	Subduction Polarity Reversal: Induced or Spontaneous?. Geophysical Research Letters, 2021, 48, e2021GL093201.	1.5	9
1638	Role of warm subduction in the seismological properties of the forearc mantle: An example from southwest Japan. Science Advances, 2021, 7, .	4.7	6
1639	Geophysical and geochemical constraints on the origin of Holocene intraplate volcanism in East Asia. Earth-Science Reviews, 2021, 218, 103624.	4.0	13
1640	High temperature hydrothermal alteration and amphibole formation in Gakkel Ridge abyssal peridotites. Lithos, 2021, 392-393, 106107.	0.6	3
1641	Indiaâ€Tarim Lithospheric Mantle Collision Beneath Western Tibet Controls the Cenozoic Building of Tian Shan. Geophysical Research Letters, 2021, 48, e2021GL094561.	1.5	23
1642	Missing lawsonite and aragonite found: Pâ€“T and fluid composition in meta-marls from the Combin Zone (Western Alps). Contributions To Mineralogy and Petrology, 2021, 176, 1.	1.2	13
1643	Diffuse spreading, a newly recognized mode of crustal accretion in the southern Mariana Trough backarc basin. , 0, , .		4
1644	Channelized CO2-Rich Fluid Activity along a Subduction Interface in the Paleoproterozoic Wutai Complex, North China Craton. Minerals (Basel, Switzerland), 2021, 11, 748.	0.8	2
1645	B isotopes reveal Eocene mÃ©lange melting in northern Tibet during continental subduction. Lithos, 2021, 392-393, 106146.	0.6	3
1646	Rupture of wet mantle wedge by self-promoting carbonation. Communications Earth & Environment, 2021, 2, .	2.6	28
1647	The low-temperature shift of antigorite dehydration in the presence of sodium chloride: in situ diffraction study up to 3 GPa and 700 o4 C. American Mineralogist, 2021, , .	0.9	0
1648	The sulfur concentration at anhydrite saturation in silicate melts: Implications for sulfur cycle and oxidation state in subduction zones. Geochimica Et Cosmochimica Acta, 2021, 306, 98-123.	1.6	9
1649	Single-crystal elasticity of phase Egg AlSiO3OH and Î´-AlOOH by Brillouin spectroscopy. American Mineralogist, 2022, 107, 147-152.	0.9	2
1650	Sediment-Peridotite Reaction Controls Fore-Arc Metasomatism and Arc Magma Geochemical Signatures. Geosciences (Switzerland), 2021, 11, 372.	1.0	12
1651	Al partitioning between phase D and bridgmanite at the uppermost lower mantle pressure. Physics and Chemistry of Minerals, 2021, 48, 1.	0.3	1

#	Article	IF	Citations
1652	Tracking slab surface temperatures with electrical conductivity of glaucophane. Scientific Reports, 2021, 11, 18014.	1.6	4
1653	In situ X-ray diffraction study of chrysotile at high Pâ€“T conditions: transformation to the 3.65ÂÃ... phase. Physics and Chemistry of Minerals, 2021, 48, 1.	0.3	0
1654	Connection Between a Subcontinental Plume and the Midâ€Lithospheric Discontinuity Leads to Fast and Intense Craton Lithospheric Thinning. Tectonics, 2021, 40, e2021TC006711.	1.3	13
1655	Enhanced visibility of subduction slabs by the formation of dense hydrous phase A. Geophysical Research Letters, 2021, 48, e2021GL095487.	1.5	8
1656	Metamorphic Facies and Deformation Fabrics Diagnostic of Subduction: Insights From 2D Numerical Models. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009899.	1.0	10
1657	Glimmerite: A product of melt-rock interaction within a crustal-scale high-strain zone. Gondwana Research, 2022, 105, 160-184.	3.0	12
1658	Contrasting zircon and garnet behaviors during metamorphic transformation from eclogite to granulite facies: Constraints from orogenic metabasites from North Qaidam in northern Tibet. Journal of Asian Earth Sciences, 2021, 220, 104924.	1.0	2
1659	Zircon U-Pb and Lu-Hf isotopes and geochemistry of granitoids in central Tibet: Bringing the missing Early Jurassic subduction events to light. Gondwana Research, 2021, 98, 125-146.	3.0	6
1660	The causes of continental arc flare ups and drivers of episodic magmatic activity in Cordilleran orogenic systems. Lithos, 2021, 398-399, 106307.	0.6	24
1661	Evolution of fluids and melts in deeply subducted continental crust: Insights from an UHP eclogiteâ€“vein system in the Dabie terrane, China. Lithos, 2021, 398-399, 106325.	0.6	1
1662	Cyclic tectono-magmatic evolution of TTG source regions in plume-lid tectonics. Gondwana Research, 2021, 99, 93-109.	3.0	7
1663	The transition from ancient to modern-style tectonics: Insights from lithosphere dynamics modelling in compressional regimes. Gondwana Research, 2021, 99, 77-92.	3.0	2
1664	Some advances and research approaches on granulite. Acta Petrologica Sinica, 2021, 37, 52-64.	0.3	17
1665	P-V-T equation of state of hydrous phase A up to 10.5 GPa. American Mineralogist, 2021, 106, 1-6.	0.9	4
1666	Phase transitions in CaCO3 under hydrous and anhydrous conditions: Implications for the structural transformations of CaCO3 during subduction processes. American Mineralogist, 2021, 106, 1780-1788.	0.9	5
1668	Subduction Zone: The Water Channel to the Mantle. , 2007, , 113-138.		11
1669	Low Angle Contact Between the Oaxaca and JuÃ¡rez Terranes Deduced From Magnetotelluric Data. Pageoph Topical Volumes, 2016, , 3357-3371.	0.2	1
1670	Local Earthquake Tomography in the Southern Tyrrhenian Region of Italy: Geophysical and Petrological Inferences on the Subducting Lithosphere. Frontiers in Earth Sciences, 2009, , 85-99.	0.1	13

#	Article	IF	Citations
1671	Physical Modeling of Arcâ€“Continent Collision: A Review of 2D, 3D, Purely Mechanical and Thermoâ€Mechanical Experimental Models. Frontiers in Earth Sciences, 2011, , 445-473.	0.1	14
1672	Subduction Zones. Encyclopedia of Earth Sciences Series, 2011, , 1395-1406.	0.1	3
1673	Electromagnetic Images of the South and Central American Subduction Zones. , 2011, , 43-81.		6
1674	Water in the Earthâ€™s Interior: Distribution and Origin. Space Sciences Series of ISSI, 2017, , 83-150.	0.0	2
1675	Secular change and the onset of plate tectonics on Earth. Earth-Science Reviews, 2020, 207, 103172.	4.0	171
1678	Effect of Water on Lattice Thermal Conductivity of Ringwoodite and Its Implications for the Thermal Evolution of Descending Slabs. Geophysical Research Letters, 2020, 47, e2020GL087607.	1.5	16
1679	Origin of fine-grained peridotite xenoliths from Iraya volcano of Batan Island, Philippines: deserpentinization or metasomatism at the wedge mantle beneath an incipient arc?. Island Arc, 2000, 9, 458-471.	0.5	46
1681	Mineral assemblages in ultrahigh pressure metamorphism: A review of experimentally determined phase diagrams. , 0, , 307-340.		6
1682	The Dabie Shanâ€“Sulu orogen. , 0, , 105-144.		39
1683	Fluid-mineral interaction at high pressure. , 0, , 225-251.		5
1684	The geochemical behavior of tin and Late Cretaceous tin mineralization in South China. Acta Petrologica Sinica, 2020, 36, 23-34.	0.3	14
1685	Progress of the researches on Kamchatka Arc magmatism. Acta Petrologica Sinica, 2020, 36, 560-574.	0.3	1
1686	Partial melting of subduction zones. Acta Petrologica Sinica, 2020, 36, 2589-2615.	0.3	8
1689	Hydrogen and methane formation with serpentization of mantle hyperbasite of the ocean and oil generation. Russian Journal of Earth Sciences, 1999, 1, 511-519.	0.2	8
1690	Awaruite containing mineral association abundance in peridotite of the fault zone 15deg20' (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Sciences, 2000, 2, 279-293.	0.2	6
1691	Melt-peridotite reactions: Roles in magma genesis beneath mid-ocean ridges, oceanic islands, and volcanic arcs. Ganseki Kobutsu Kagaku, 2013, 42, 83-100.	0.1	2
1692	Chemical characteristics and trapping P-T conditions of fluid inclusions in quartz veins from the Sanbagawa metamorphic belt, SW Japan. Journal of Mineralogical and Petrological Sciences, 2008, 103, 94-99.	0.4	7
1693	Analysis of Mn-bearing lawsonite occurring in meta-siliceous rocks in Hakoishi serpentinite mÃ©lange of Kurosegawa Belt, Central Kyushu, Japan. Journal of Mineralogical and Petrological Sciences, 2010, 105, 340-345.	0.4	6

#	Article	IF	Citations
1694	Thermal equation of state of lawsonite up to 10 GPa and 973 K. Journal of Mineralogical and Petrological Sciences, 2015, 110, 235-240.	0.4	3
1695	Tectonostratigraphy of the northern Monviso Meta-ophiolite Complex (Western Alps). Italian Journal of Geosciences, 2014, 133, 409-426.	0.4	26
1696	Brittle Deformation During Eclogitization of Early Paleozoic Blueschist. Frontiers in Earth Science, 2020, 8, .	0.8	14
1697	Yttrium speciation in subduction-zone fluids from ab initio molecular dynamics simulations. Solid Earth, 2020, 11, 767-789.	1.2	12
1698	Metallogenic Provinces in an Evolving Geodynamic Framework. , 2005, , .		61
1699	Lithospheric Fertilization and Mineralization by Arc Magmas. , 2013, , 277-299.		10
1700	Numerical Geodynamic Modeling of Continental Convergent Margins. , 0, , .		2
1701	Isotropic Compression Behavior of Lawsonite Under High-pressure Conditions. Economic and Environmental Geology, 2016, 49, 23-30.	0.2	1
1702	Integrated thermodynamic and thermomechanical numerical modeling: A useful method for studying deep Earth water and carbon cycling. Geosystems and Geoenvironment, 2022, 1, 100002.	1.7	13
1703	Depth-wise attenuation mechanism of seismic waves in the Andaman region. Soil Dynamics and Earthquake Engineering, 2021, 151, 107000.	1.9	1
1704	Rheological properties of deep subducted oceanic lithosphere and their geodynamic implications. Science in China Series D: Earth Sciences, 2002, 45, 969.	0.9	1
1705	Phase equilibrium: Environments estimated by phase relations of minerals.. Ganseki Kobutsu Kagaku, 2003, 32, 144-146.	0.1	0
1706	Modern Characterization and Analysis Techniques for Crude Oil. , 2003, , .		0
1707	Modern Characterization and Analysis Techniques for Crude Oil. , 2003, , 73-166.		0
1708	Gas geochemistry of volcanic and hydrothermal fluids. , 2007, , .		0
1709	Some Remarks on the Time Scales of Magmatic Processes Occurring Beneath Island Arc Volcanoes. Series on Iraq War and Its Consequences, 2007, , 133-152.	0.1	0
1710	Howieite in meta-manganese siliceous rocks of Kurosegawa belt, western Kyushu, Japan. Journal of Mineralogical and Petrological Sciences, 2008, 103, 365-370.	0.4	5
1711	Discovery of Slow Earthquake Families Associated with the Subduction of the Philippine Sea Plate in Southwest Japan. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 2009, 61, 315-327.	0.0	2

#	Article	IF	Citations
1712	Geochemical signature of slab-derived fluid: Constraints from the chemical composition of natural rocks and the high pressure experiments. Ganseki Kobutsu Kagaku, 2010, 39, 220-230.	0.1	2
1713	Sr-sulphate and associated minerals found from kyanite-bearing eclogite in the Moldanubian Zone of the Bohemian Massif, Czech Republic. Journal of Mineralogical and Petrological Sciences, 2010, 105, 251-261.	0.4	2
1714	Estimation of H2O concentration in primary arc magmas: constraints from melting experiments and analyses of melt inclusions. Ganseki Kobutsu Kagaku, 2011, 40, 91-100.	0.1	0
1715	Composition of the Crust and the Mantle. , 2015, , 3-28.		0
1716	Three-Dimensional Thermal Model of the Costa Rica-Nicaragua Subduction Zone. Pageoph Topical Volumes, 2015, , 3317-3339.	0.2	0
1717	Low ratio of sediment recycling at Northeast Japan Arc: Constraints from ¹⁰Be isotopes and B-Ba-K-Be systematics. Geochemical Journal, 2017, 51, 277-291.	0.5	1
1718	Subduction Zone Geochemistry. Encyclopedia of Earth Sciences Series, 2018, , 1384-1392.	0.1	0
1719	Mineral chemistry and Thermobarometry of Middle Jurassic diabasic dikes Cutting metamorphic - igneous Shotor-Kuh complex (SE Shahrood). Iranian Journal of Crystallography and Mineralogy, 2019, 26, 915-928.	0.0	2
1720	Epidote records subduction-zone metamorphic fluid actions. Acta Petrologica Sinica, 2019, 35, 2045-2060.	0.3	1
1721	Subduction Zones. Encyclopedia of Earth Sciences Series, 2020, , 1-12.	0.1	0
1722	Melting and Parageneses of Global Subducting Water-Enriched Sediment in Closed and Open Systems: Experiment and Thermodynamic Modeling. Russian Geology and Geophysics, 2020, 61, 571-591.	0.3	5
1723	Extreme metamorphism and metamorphic facies series at convergent plate boundaries: Implications for supercontinent dynamics. , 2021, 17, 1647-1685.		39
1724	Contrasting collision-induced far-field orogenesis controlled by thermo-rheological properties of the composite terrane. Gondwana Research, 2021, 103, 404-404.	3.0	2
1725	Spatial variation of subduction zone fluids during progressive subduction: Insights from Serpentinite Mud Volcanoes. Geochimica Et Cosmochimica Acta, 2022, 319, 118-134.	1.6	13
1726	The Role of Temperature in the Alongâ€Margin Distribution of Volcanism and Seismicity in Subduction Zones: Insights From 3â€Ð Thermomechanical Modeling of the Central Andean Margin. Tectonics, 2021, 40, .	1.3	5
1727	In situ micro-FTIR spectroscopic investigations of synthetic ammonium phengite under pressure and temperature. European Journal of Mineralogy, 2020, 32, 469-482.	0.4	2
1728	The a B C's of Metasomatism in the North Atlantic Craton ; Characterized by Fluid Inclusions in Chidliak Diamondsâ€™. SSRN Electronic Journal, 0, , .	0.4	0
1729	Formation of Metamorphic Soles Underlying Ophiolites During Subduction Initiation: A Systematic Numerical Study. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	6

#	Article	IF	Citations
1730	REE behavior in warm and cold subducting oceanic crust. International Journal of Earth Sciences, 2022, 111, 905-918.	0.9	2
1731	Petrogenesis of phlogopite-pyroxenite from Southern India: Implications for the link between Proterozoic subduction- to rift-related arc magmatism. Geosystems and Geoenvironment, 2022, 1, 100033.	1.7	5
1732	Plumeâ€Lithosphere Interaction and Delamination at Yellowstone and Its Implications for the Boundary of Craton Stability. Geophysical Research Letters, 2022, 49, .	1.5	6
1733	Rheology of Metasedimentary Rocks at the Base of the Subduction Seismogenic Zone. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	16
1734	New Constraints for the Onâ€Shore Makran Subduction Zone Crustal Structure. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	14
1735	Recognition of broad thermal anomaly around the median tectonic line in central Kii peninsula, southwest Japan: Possible heat sources. Island Arc, 2022, 31, .	0.5	2
1736	Potential Link between Antigorite Dehydration and Shallow Intermediate-Depth Earthquakes in Hot Subduction Zones. American Mineralogist, 2022, , .	0.9	1
1737	Enhanced and asymmetric melting beneath the southern Mariana backâ€arc spreading center under the influence of Pacific plate subduction. Journal of Geophysical Research: Solid Earth, 0, , .	1.4	1
1738	Petrogenesis of isotopically enriched Quaternary magma with adakitic affinity associated with subduction of old lithosphere beneath central Myanmar. Scientific Reports, 2022, 12, 3137.	1.6	1
1739	Impact of bending-related faulting and oceanic-plate topography on slab hydration and intermediate-depth seismicity. , 2022, 18, 562-584.		8
1740	A New Perspective on the Interiors of Ice-rich Planets: Iceâ€“Rock Mixture Instead of Ice on Top of Rock. Astrophysical Journal, 2022, 926, 150.	1.6	25
1741	Numerical Investigation on the Dynamic Evolution of Intra-Crustal Continental Delamination. Frontiers in Earth Science, 2022, 10, .	0.8	0
1742	The Subducting Slab as a Chromatographic Column: Regimes of Subâ€Solidus Mass Transport as a Function of Lithospheric Hydration State, With Special Reference to the Fate of Carbonate. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
1743	Origin and evolution of the slab fluids since subduction inception in the Izu-Bonin-Mariana: A comparison with the southeast Mariana fore-arc rift. Chemical Geology, 2022, 601, 120813.	1.4	6
1744	Calculated phase equilibria for highâ€pressure serpentinites and compositionallyâ€related rocks close to the MgOâ€Al2O3â€SiO2â€H2O (MASH) system.. Journal of Metamorphic Geology, 0, , .	1.6	0
1745	An Experimental Study of Chlorite Stability in Varied Subduction Zone Lithologies with Implications for Fluid Production, Melting, and Diapirism in Chlorite-Rich MÃ©lange Rocks. Journal of Petrology, 2022, 63, .	1.1	8
1746	Dating blueschist-facies metamorphism within the Naga ophiolite, Northeast India, using sheared carbonate veins. International Geology Review, 0, , 1-18.	1.1	2
1747	Rutile to titanite transformation in eclogites and its geochemical consequences: An example from the Sumdo eclogite, Tibet. Acta Geologica Sinica, 0, , .	0.8	1

#	Article	IF	Citations
1748	Sediment and ocean crust both melt at subduction zones. Earth and Planetary Science Letters, 2022, 584, 117424.	1.8	24
1749	Melting of phengite-bearing eclogite at pressures of 4 and 9 GPa relevant to deep regions of a subduction zone. Earth and Planetary Science Letters, 2022, 584, 117475.	1.8	5
1750	Cooling of the continental plate during flat-slab subduction. , 2022, 18, 49-68.		5
1751	Melting of carbonated pelite at 5.5â€“15.5 GPa: implications for the origin of alkali-rich carbonatites and the deep water and carbon cycles. Contributions To Mineralogy and Petrology, 2022, 177, 1.	1.2	5
1752	Experiments and thermodynamic modelling on the blueschists in the Longmu <scp>Coâ€Shuanghu</scp> Suture Zone, North Tibet: Estimation of the metamorphic conditions and implications for garnet stability in the subduction zone. Geological Journal, 2022, 57, 1221-1240.	0.6	0
1753	Styles of Trenchâ€Parallel Midâ€Ocean Ridge Subduction Affect Cenozoic Geological Evolution in Circumâ€Pacific Continental Margins. Geophysical Research Letters, 2022, 49, .	1.5	4
1754	Sea-level stability over geological time owing to limited deep subduction of hydrated mantle. Nature Geoscience, 2022, 15, 423-428.	5.4	13
1755	Unusual features of lattice dynamics in lawsonite near its phase transitions. Scientific Reports, 2022, 12, 6157.	1.6	1
1756	Imaging slab-transported fluids and their deep dehydration from seismic velocity tomography in the Lesser Antilles subduction zone. Earth and Planetary Science Letters, 2022, 586, 117535.	1.8	8
1767	The Dynamics of Forearc â€“ Backâ€Arc Basin Subsidence: Numerical Models and Observations From Mediterranean Subduction Zones. Tectonics, 2022, 41, .	1.3	10
1768	Permeability of subducted oceanic crust revealed by eclogite-facies vugs. Geology, 2022, 50, 964-968.	2.0	8
1769	Volatile-bearing Partial Melts in the Lithospheric and Sub-Lithospheric Mantle on Earth and Other Rocky Planets. Reviews in Mineralogy and Geochemistry, 2022, 87, 575-606.	2.2	12
1770	Topographic Response of Hinterland Basins in Tibet to the Indiaâ€“Asia Convergence: 3D Thermo-Mechanical Modeling. Frontiers in Earth Science, 2022, 10, .	0.8	3
1772	Carbon recycling efficiency in subduction zones constrained by the effects of H2O-CO2 fluids on partial melt compositions in the mantle wedge. Earth and Planetary Science Letters, 2022, 588, 117578.	1.8	6
1773	The A B C's of metasomatism in the North Atlantic Craton during Pangea breakup; characterized by fluid inclusions in Chidliak diamonds. Lithos, 2022, 422-423, 106725.	0.6	1
1774	The Effect of Different Outer Cations on the Stability of Fluorotitanium Complex. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	0
1775	Diverse Pâ€Tâ€t Paths Reveal Highâ€Grade Metamorphosed Forearc Complexes in NW China. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	9
1776	In-situ high-pressure and high-temperature spectroscopic studies of phengite in ultrahigh-pressure eclogite: implications for water transport during ultra-deep continental subduction. Physics and Chemistry of Minerals, 2022, 49, .	0.3	2

#	Article	IF	Citations
1777	Formation of Olivine Veins by Reactive Fluid Flow in a Dehydrating Serpentinite. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	7
1778	Orogenic and metamorphic processes in plate boundaries: Synopsis and future directions. Ganseki Kobutsu Kagaku, 2022, 51, n/a.	0.1	0
1779	Schorl Breakdown at Upper Mantle Conditions: Insights from an Experimental Study at 3.5 GPA. SSRN Electronic Journal, 0, , .	0.4	0
1780	The stability of antigorite in subduction zones revisited: the effect of F on antigorite stability and its breakdown reactions at high pressures and high temperatures, with implications for the geochemical cycles of halogens. Contributions To Mineralogy and Petrology, 2022, 177, .	1.2	3
1781	Subduction earthquake cycles controlled by episodic fluid pressure cycling. Lithos, 2022, 426-427, 106800.	0.6	12
1782	Fluidâ€Mediated Mass Transfer Between Mafic and Ultramafic Rocks in Subduction Zones. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	9
1783	Megathrust reflectivity reveals the updip limit of the 2014 Iquique earthquake rupture. Nature Communications, 2022, 13, .	5.8	4
1784	Supra-subduction zone ophiolite generated by the initial subduction of an Early Paleozoic island arc system abutting the northern North China Craton: Evidence from meta-igneous rocks. Gondwana Research, 2022, 110, 90-106.	3.0	2
1785	Trace and Rare Earth Element Compositions of Lawsonite as a Chemical Tracer of Metamorphic Processes in Subduction Zones. Journal of Petrology, 2022, 63, .	1.1	2
1786	Temporal Evolution of Island Arc Magmatism and Its Influence on Long-Term Climate: Insights From the Izu Intra-Oceanic Arc. Frontiers in Earth Science, 0, 10, .	0.8	0
1787	The role of gas flushing on magma reservoir crystallization and its consequences for the growth of planetary crust. Lithos, 2022, , 106811.	0.6	0
1788	Newly detected shock-induced high-pressure phases formed in amphibolite clasts of the suevite breccia (Ries impact crater, Germany): Liebermannite, kokchetavite, and other ultrahigh-pressure phases. Contributions To Mineralogy and Petrology, 2022, 177, .	1.2	3
1789	Singleâ€Crystal Elasticity of Antigorite at High Pressures and Seismic Detection of Serpentinized Slabs. Geophysical Research Letters, 2022, 49, .	1.5	1
1790	Sources of dehydration fluids underneath the Kamchatka arc. Nature Communications, 2022, 13, .	5.8	5
1791	The Role of Pre-existing Weaknesses in Intraplate Metamorphic Core Complex Formation during Slab Retreat: 2-D Thermo-Mechanical Modeling. Geophysical Journal International, 0, , .	1.0	0
1792	Serpentine-magnesite association of Salem Ultramafic Complex, southern India: A potential analogue for mars. Planetary and Space Science, 2022, , 105528.	0.9	1
1793	Tungsten isotopic fractionation at the Mariana arc and constraints on the redox conditions of subduction zone fluids. Geochimica Et Cosmochimica Acta, 2022, 334, 135-154.	1.6	1
1794	Intrusive magmatism strongly contributed to the volatile release into the atmosphere of early Earth. Geochemistry, Geophysics, Geosystems, 0, , .	1.0	0

#	Article	IF	Citations
1795	Does tectonic deformation control episodic continental arc magmatism? Evidence from granitic magnetic fabrics (AMS). Gondwana Research, 2022, 112, 1-23.	3.0	4
1796	The Role of Crustal Radiogenic Heating in Ultra-High Temperature Metamorphism of Greater Himalayan Crystalline Complex: Insights from Numerical Modeling. SSRN Electronic Journal, 0, , .	0.4	0
1797	Trench topography in subduction zones: A reflection of the plate decoupling depth. Frontiers in Earth Science, 0, 10, .	0.8	1
1798	Seismic velocity and anisotropy of glaucophane and epidote in experimentally deformed epidote blueschist and implications for seismic properties in warm subduction zones. Earth and Planetary Science Letters, 2022, 598, 117822.	1.8	3
1799	The late Mesoproterozoic to early Neoproterozoic Grenvillian orogeny and the assembly of Rodinia: Turning point in the tectonic evolution of Laurentia. , 2023, , 221-250.		8
1800	Along-strike island-arc crustal growth rate estimation: case study of the Izu-Bonin-Mariana subduction system. Geophysical Journal International, 0, , .	1.0	0
1801	Effects of Mantle Hybridization by Interaction with Slab Derived Melts in the Genesis of Alkaline Lavas across the Back-Arc Region of South Shetland Subduction System. Journal of Petrology, 2022, 63, .	1.1	1
1802	Tectonic deformation at the outer rise of subduction zones. Geophysical Journal International, 2022, 232, 1533-1544.	1.0	2
1803	Elasticity of Phase H Under the Mantle Temperatures and Pressures: Implications for Discontinuities and Water Transport in the Midâ€Mantle. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
1804	Magnesium isotopic composition of back-arc basin lavas and its implication for the recycling of serpentinite-derived fluids. Marine Geology, 2022, 453, 106921.	0.9	0
1805	Structure and properties of fluids. , 2023, , 331-482.		0
1806	Mass transport. , 2023, , 821-876.		0
1807	Water-Rock Interaction in Oceanic Subduction Zone:Serpentinization. Journal of Engineering Studies, 2016, 08, 258-268.	0.0	3
1808	Cycling of CO2 and H2O constrained by experimental investigation of a model ophicarbonate at deep subduction zone conditions. Earth and Planetary Science Letters, 2022, 600, 117866.	1.8	5
1809	Polarons in Rock-Forming Minerals: Physical Implications. Condensed Matter, 2022, 7, 68.	0.8	3
1810	The role of hydrogen bonds in hydrous minerals stable at lower mantle pressure conditions. Progress in Earth and Planetary Science, 2022, 9, .	1.1	3
1811	The effect of COH fluids on partial melting of eclogite and lherzolite under moderately oxidizing and reducing conditions. Chemical Geology, 2023, 616, 121219.	1.4	2
1812	Decarbonation of subducting carbonate-bearing sediments and basalts of altered oceanic crust: Insights into recycling of CO2 through volcanic arcs. Earth and Planetary Science Letters, 2023, 602, 117945.	1.8	2

#	Article	IF	Citations
1813	Geochemistry, Luâ€“Hf garnet ages, and Pâ€“T conditions of blueschists from the Meliatic and Fatric nappes, Western Carpathians: Indicators of Neotethyan subduction. Geosystems and Geoenvironment, 2023, 2, 100150.	1.7	1
1814	Experimental Constraints on the Fate of Subducted Sedimentary Nitrogen in the Reduced Mantle. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	0
1815	Variable element enrichment sources and contributions to volcanic rocks along the Lesser Antilles Island Arc. Frontiers in Earth Science, 0, 10, .	0.8	1
1816	Barium isotope fractionation during slab dehydration: Records from an eclogite-quartz vein system in Dabie orogen. Geochimica Et Cosmochimica Acta, 2023, 343, 272-285.	1.6	3
1817	Continental Midâ€Lithosphere Discontinuity: A Water Collector During Craton Evolution. Geophysical Research Letters, 2022, 49, .	1.5	8
1818	Large-scale structures in the Earthâ€™s interior: Top-down hemispherical dynamics constrained by geochemical and geophysical approaches. Frontiers in Earth Science, 0, 10, .	0.8	1
1819	The factors controlling along-arc and across-arc variations of primitive arc magma compositions: A global perspective. Frontiers in Earth Science, 0, 10, .	0.8	1
1820	Schorl breakdown at upper mantle conditions: Insights from an experimental study at 3.5â€¯GPa. Lithos, 2022, , 106999.	0.6	1
1821	Factors on the Mesozoic Transition From Flat to Steep Subduction of the Paleoâ€Pacific Plate Beneath South China: Thickened Oceanic Crust and Subduction Rate. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	2
1822	Venusâ€™ light slab hinders its development of planetary-scale subduction. Nature Communications, 2022, 13, .	5.8	2
1823	Singleâ€Crystal Elasticity of Phase E at High Pressure and Temperature: Implications for the Lowâ€Velocity Layer Atop the 410â€km Depth. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1
1824	Thermally-activated electron hopping in Fe-rich amphiboles: Implications for the high-conductivity anomalies in subduction zones. Chemie Der Erde, 2022, , 125942.	0.8	2
1825	Two Phases of Crustal Shortening in Northeastern Tibet as a Result of a Stronger Qaidam Lithosphere During the Cenozoic Indiaâ€“Asia Collision. Tectonics, 2023, 42, .	1.3	1
1826	Protracted eclogiteâ€facies metamorphism of the Dulan area, North Qaidam ultrahighâ€pressure terrane: Insights on zircon growth during continental subduction and collision. Journal of Metamorphic Geology, 2023, 41, 557-581.	1.6	2
1827	High-K andesites as witnesses of a continental arc system in the Western Alps, Italy: constraints from HFSE and Hfâ€“Ndâ€“Srâ€“Pbâ€“O isotope systematics. Contributions To Mineralogy and Petrology, 2023, 178, .	1.2	1
1828	Various fluids and complex geochemical processes in the subduction channel: Constraints from the ultrahigh pressure metamorphic belt of Southwestern Tianshan, China. Lithos, 2023, 442-443, 107077.	0.6	0
1829	Linkage between the Indiaâ€“Asia collision and far-field reactivation of the Altai mountains. Palaeogeography, Palaeoclimatology, Palaeoecology, 2023, 616, 111478.	1.0	4
1830	The role of H2O on metamorphism and deformation at high pressure: A combined petrological and thermo-mechanical study based on the Gran Paradiso Unit, Western Alps. Lithos, 2023, 446-447, 107123.	0.6	3

#	Article	IF	Citations
1831	Pre-eruptive water content and volatile degassing processes in the southern Okinawa Trough magma: Implications for subduction zone water recycling and magmatic contributions to hydrothermal systems. Lithos, 2023, 446-447, 107145.	0.6	0
1833	Melting a melt-metasomatized subcontinental lithospheric mantle: Evidence from Oligocene lamproites within the Gangdese batholith, southern Tibet. Lithos, 2023, 448-449, 107163.	0.6	0
1834	Effect of Fluid Salinity on Reaction Rate and Molecular Hydrogen (H₂) Formation During Peridotite Serpentinization at 300Â°C. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	3
1835	Roles of Serpentinization in Plate Tectonics and the Evolution of Earth's Mantle. , 2023, , 511-537.		1
1836	Water Recycling in the Deep Earth: Insights From Integrated Î¼â€XRF, THzâ€TDS Spectroscopy, TG, and DCS of Highâ€Pressure Granulite. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	3
1837	Serpentinization and Deserpentinization of the Mantle Wedge at a Convergent Plate Margin: Evidence of Orogenic Peridotites from a Composite Oceanicâ€“Continental Subduction Zone. Journal of Petrology, 2023, 64, .	1.1	1
1838	åœ°å¹”æ¦ä»¶ä¸‹æ–œæ–¹è¾‰çŸ³é«˜åŽ‹ç›¸çš„å¼¹æ€§æ€§è´¨: å¯¹Xä¸è¿žç»é¢æˆå› çš„å¯ç¤º. SCIENTIA SINICA Terrae, 2023, 53, 702-713.	0.1	0
1839	Elasticity of high-pressure clinoenstatite under mantle conditions: Implications for the origin of the X-discontinuity. Science China Earth Sciences, 2023, 66, 718-729.	2.3	1
1840	Halogen enrichment in the North American lithospheric mantle from the dehydration of the Farallon plate. Geochimica Et Cosmochimica Acta, 2023, 348, 187-205.	1.6	3
1841	Pervasive hydrous carbonatitic liquids mediate transfer of carbon from the slab to the subarc mantle. Communications Earth & Environment, 2023, 4, .	2.6	5
1842	The 2021 and 2022 Fukushima-Oki earthquake doublet: Reactivations of the bending-related faults inside the Japan Trench subducting slab. Tectonophysics, 2023, 853, 229800.	0.9	2
1843	Late Neoproterozoicâ€“Cambrian eclogites and highâ€pressure granulites in the Central Qilian terrane (China) record the earliest subduction of Protoâ€Tethyan Ocean in the eastern Tethysides. Journal of Metamorphic Geology, 2023, 41, 849-878.	1.6	2
1844	Ti and Cr in High-Pressure Mica: Experimental Study and Application to the Mantle Assemblages. Petrology, 2022, 30, S157-S173.	0.2	0
1845	Flat subduction in the Early Earth: The key role of discrete eclogitization kinetics. Gondwana Research, 2023, 119, 186-203.	3.0	5
1846	Zircon-bearing metasomatized peridotite from early Paleozoic Tongbai Orogen sub-arc mantle trapped between the North China and Yangtze cratons. Contributions To Mineralogy and Petrology, 2023, 178, .	1.2	0
1847	Electrical conductivity of magnetite-bearing antigorite upon dehydration and implications for high conductivity anomalies in forearc mantle wedges. Lithos, 2023, 448-449, 107169.	0.6	0
1848	Geodynamics of the one-way subduction of the Neo-Tethys Ocean. Chinese Science Bulletin, 2023, 68, 1699-1708.	0.4	7