Sarah C Penniston-Dorland

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Episodic fluid flow in an eclogite-facies shear zone: Insights from Li isotope zoning in garnet. Geology, 2022, 50, 746-750.	4.4	10
2	Assessing <i>Pâ€₹</i> variability in mélange blocks from the Catalina Schist: Is there differential movement at the subduction interface?. Journal of Metamorphic Geology, 2021, 39, 271-295.	3.4	15
3	The Systematics of Chlorine, Lithium, and Boron and δ ³⁷ Cl, δ ⁷ Li, and δ ¹¹ B in the Hydrothermal System of the Yellowstone Plateau Volcanic Field. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009589.	2.5	14
4	A Method for Secondary Ion Mass Spectrometry Measurement of Lithium Isotopes in Garnet: The Utility of Glass Reference Materials. Geostandards and Geoanalytical Research, 2021, 45, 477-499.	3.1	13
5	A Mélange of Subduction Ages: Constraints on the Timescale of Shear Zone Development and Underplating at the Subduction Interface, Catalina Schist (CA, USA). Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009790.	2.5	7
6	Li isotope zoning in garnet from Franciscan eclogite and amphibolite: The role of subduction-related fluids. Geochimica Et Cosmochimica Acta, 2020, 286, 198-213.	3.9	7
7	Temperature-dependent variations in mineralogy, major element chemistry and the stable isotopes of boron, lithium and chlorine resulting from hydration of rhyolite: Constraints from hydrothermal experiments at 150 to 350â€Â°C and 25†MPa. Geochimica Et Cosmochimica Acta, 2019, 261, 269-287.	3.9	17
8	The roles of mechanical mixing and fluid transport in the formation of reaction zones in subduction-related mélange: Evidence from highly siderophile elements. Chemical Geology, 2019, 525, 96-111.	3.3	9
9	Multiple sulfur isotopes reveal a possible non-crustal source of sulfur for the Bushveld Province, southern Africa. Geology, 2019, 47, 982-986.	4.4	7
10	Chlorine and lithium behavior in metasedimentary rocks during prograde metamorphism: A comparative study of exhumed subduction complexes (Catalina Schist and Schistes Lustrés). Lithos, 2019, 336-337, 40-53.	1.4	18
11	The role of the upper plate in controlling fluid-mobile element (Cl, Li, B) cycling through subduction zones: Hikurangi forearc, New Zealand. , 2019, 15, 642-658.		12
12	Variable sulfur isotope composition of sulfides provide evidence for multiple sources of contamination in the Rustenburg Layered Suite, Bushveld Complex. Earth and Planetary Science Letters, 2018, 492, 163-173.	4.4	14
13	A mélange of subduction temperatures: Evidence from Zr-in-rutile thermometry for strengthening of the subduction interface. Earth and Planetary Science Letters, 2018, 482, 525-535.	4.4	34
14	Marine Volcaniclastic Record of Early Arc Evolution in the Eastern Ritter Range Pendant, Central Sierra Nevada, California. Geochemistry, Geophysics, Geosystems, 2018, 19, 2543-2559.	2.5	8
15	Shergottite Northwest Africa 6963: A Pyroxene umulate Martian Gabbro. Journal of Geophysical Research E: Planets, 2018, 123, 1823-1841.	3.6	20
16	Lithium Isotope Geochemistry. Reviews in Mineralogy and Geochemistry, 2017, 82, 165-217.	4.8	167
17	Subduction, fluids, and accessory minerals: a celebration of the career of Sorena S. Sorensen. International Geology Review, 2017, 59, 523-525.	2.1	0
18	Diffusion: Obstacles and Opportunities in Petrochronology. Reviews in Mineralogy and Geochemistry, 2017, 83, 103-152.	4.8	34

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19	Fingerprints of forearc element mobility in blueschist-facies metaconglomerates, Catalina Schist, California. International Geology Review, 2017, 59, 741-752.	2.1	6
20	6 Lithium Isotope Geochemistry. , 2017, , 165-218.		9
21	Implications of near-rim compositional zoning in rutile for geothermometry, geospeedometry, and trace element equilibration. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	32
22	Fluid and mass transfer at subduction interfaces—The field metamorphic record. Lithos, 2016, 240-243, 228-258.	1.4	181
23	The global range of subduction zone thermal structures from exhumed blueschists and eclogites: Rocks are hotter than models. Earth and Planetary Science Letters, 2015, 428, 243-254.	4.4	258
24	Chemical interactions between a sedimentary diapir and surrounding magma: Evidence from the Phepane Dome and Bushveld Complex, South Africa. American Mineralogist, 2015, 100, 1985-2000.	1.9	29
25	Reaction rind formation in the Catalina Schist: Deciphering a history of mechanical mixing and metasomatic alteration. Chemical Geology, 2014, 384, 47-61.	3.3	37
26	Re-evaluation of Infiltration-driven Regional Metamorphism in Northern New England: New Transport Models with Solid Solution and Cross-layer Equilibration of Fluid Composition. Journal of Petrology, 2013, 54, 2455-2485.	2.8	14
27	Primary origin of marginal Ni-Cu-(PGE) mineralization in layered intrusions: Â33S evidence from The Platreef, Bushveld, South Africa. Economic Geology, 2013, 108, 365-377.	3.8	38
28	Mantle–crust interactions in a paleosubduction zone: Evidence from highly siderophile element systematics of eclogite and related rocks. Earth and Planetary Science Letters, 2012, 319-320, 295-306.	4.4	17
29	Lithium partitioning between olivine and diopside at upper mantle conditions: An experimental study. Earth and Planetary Science Letters, 2012, 329-330, 11-21.	4.4	21
30	Multiple sulfur isotope evidence for surface-derived sulfur in the Bushveld Complex. Earth and Planetary Science Letters, 2012, 337-338, 236-242.	4.4	51
31	Lithium and its isotopes as tracers of subduction zone fluids and metasomatic processes: Evidence from the Catalina Schist, California, USA. Geochimica Et Cosmochimica Acta, 2012, 77, 530-545.	3.9	84
32	Geochemistry of intermediate olivineâ€phyric shergottite Northwest Africa 6234, with similarities to basaltic shergottite Northwest Africa 480 and olivineâ€phyric shergottite Northwest Africa 2990. Meteoritics and Planetary Science, 2012, 47, 1256-1273.	1.6	46
33	Lithium isotopes as a tracer of fluids in a subduction zone mélange: Franciscan Complex, CA. Earth and Planetary Science Letters, 2010, 292, 181-190.	4.4	94
34	Radiometric and stratigraphic constraints on terminal Ediacaran (post-Gaskiers) glaciation and metazoan evolution. Precambrian Research, 2010, 182, 402-412.	2.7	57
35	Element mobility and scale of mass transport in the formation of quartz veins during regional metamorphism of the Waits River Formation, east-central Vermont. American Mineralogist, 2008, 93, 7-21.	1.9	41
36	Multiple sulfur isotopes reveal a magmatic origin for the Platreef platinum group element deposit, Bushveld Complex, South Africa. Geology, 2008, 36, 979.	4.4	61

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37	Development of spatial variations in reaction progress during regional metamorphism of micaceous carbonate rocks, Northern new England. Numerische Mathematik, 2006, 306, 475-524.	1.4	25
38	A New Interpretation of Centimetre-scale Variations in the Progress of Infiltration-driven Metamorphic Reactions: Case Study of Carbonated Metaperidotite, Val d'Efra, Central Alps, Switzerland. Journal of Petrology, 2005, 46, 1725-1746.	2.8	19
39	Coupled dichotomies of apatite and fluid composition during contact metamorphism of siliceous carbonate rocks. American Mineralogist, 2005, 90, 1606-1618.	1.9	3
40	The direction of fluid flow during contact metamorphism of siliceous carbonate rocks: new data for the Monzoni and Predazzo aureoles, northern Italy, and a global review. Contributions To Mineralogy and Petrology, 2002, 142, 679-699.	3.1	68
41	Illumination of vein quartz textures in a porphyry copper ore deposit using scanned cathodoluminescence: Grasberg Igneous Complex, Irian Jaya, Indonesia. American Mineralogist, 2001, 86, 652-666.	1.9	79