

Sarah C Penniston-Dorland

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,680
citations

361296

20
h-index

302012

39
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42
all docs

42
docs citations

42
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	The global range of subduction zone thermal structures from exhumed blueschists and eclogites: Rocks are hotter than models. <i>Earth and Planetary Science Letters</i> , 2015, 428, 243-254.	1.8	258
2	Fluid and mass transfer at subduction interfaces—The field metamorphic record. <i>Lithos</i> , 2016, 240-243, 228-258.	0.6	181
3	Lithium Isotope Geochemistry. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 165-217.	2.2	167
4	Lithium isotopes as a tracer of fluids in a subduction zone mélange: Franciscan Complex, CA. <i>Earth and Planetary Science Letters</i> , 2010, 292, 181-190.	1.8	94
5	Lithium and its isotopes as tracers of subduction zone fluids and metasomatic processes: Evidence from the Catalina Schist, California, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 530-545.	1.6	84
6	Illumination of vein quartz textures in a porphyry copper ore deposit using scanned cathodoluminescence: Grasberg Igneous Complex, Irian Jaya, Indonesia. <i>American Mineralogist</i> , 2001, 86, 652-666.	0.9	79
7	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. <i>Contributions To Mineralogy and Petrology</i> , 2002, 142, 679-699.	1.2	68
8	Multiple sulfur isotopes reveal a magmatic origin for the Platreef platinum group element deposit, Bushveld Complex, South Africa. <i>Geology</i> , 2008, 36, 979.	2.0	61
9	Radiometric and stratigraphic constraints on terminal Ediacaran (post-Gaskiers) glaciation and metazoan evolution. <i>Precambrian Research</i> , 2010, 182, 402-412.	1.2	57
10	Multiple sulfur isotope evidence for surface-derived sulfur in the Bushveld Complex. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 236-242.	1.8	51
11	Geochemistry of intermediate olivine-phyric shergottite Northwest Africa 6234, with similarities to basaltic shergottite Northwest Africa 480 and olivine-phyric shergottite Northwest Africa 2990. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1256-1273.	0.7	46
12	Element mobility and scale of mass transport in the formation of quartz veins during regional metamorphism of the Waits River Formation, east-central Vermont. <i>American Mineralogist</i> , 2008, 93, 7-21.	0.9	41
13	Primary origin of marginal Ni-Cu-(PGE) mineralization in layered intrusions: $\delta^{34}\text{S}$ evidence from The Platreef, Bushveld, South Africa. <i>Economic Geology</i> , 2013, 108, 365-377.	1.8	38
14	Reaction rind formation in the Catalina Schist: Deciphering a history of mechanical mixing and metasomatic alteration. <i>Chemical Geology</i> , 2014, 384, 47-61.	1.4	37
15	Diffusion: Obstacles and Opportunities in Petrochronology. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 83, 103-152.	2.2	34
16	A mélange of subduction temperatures: Evidence from Zr-in-rutile thermometry for strengthening of the subduction interface. <i>Earth and Planetary Science Letters</i> , 2018, 482, 525-535.	1.8	34
17	Implications of near-rim compositional zoning in rutile for geothermometry, geospeedometry, and trace element equilibration. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	32
18	Chemical interactions between a sedimentary diapir and surrounding magma: Evidence from the Phepane Dome and Bushveld Complex, South Africa. <i>American Mineralogist</i> , 2015, 100, 1985-2000.	0.9	29

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19	Development of spatial variations in reaction progress during regional metamorphism of micaceous carbonate rocks, Northern new England. <i>Numerische Mathematik</i> , 2006, 306, 475-524.	0.7	25
20	Lithium partitioning between olivine and diopside at upper mantle conditions: An experimental study. <i>Earth and Planetary Science Letters</i> , 2012, 329-330, 11-21.	1.8	21
21	Shergottite Northwest Africa 6963: A Pyroxene-Cumulate Martian Gabbro. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1823-1841.	1.5	20
22	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. <i>Journal of Petrology</i> , 2005, 46, 1725-1746.	1.1	19
23	Chlorine and lithium behavior in metasedimentary rocks during prograde metamorphism: A comparative study of exhumed subduction complexes (Catalina Schist and Schistes Lustrés). <i>Lithos</i> , 2019, 336-337, 40-53.	0.6	18
24	Mantle-crust interactions in a paleosubduction zone: Evidence from highly siderophile element systematics of eclogite and related rocks. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 295-306.	1.8	17
25	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 350°C and 25 MPa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 269-287.	1.6	17
26	Assessing $\delta^{37}\text{Cl}$ variability in mantle blocks from the Catalina Schist: Is there differential movement at the subduction interface?. <i>Journal of Metamorphic Geology</i> , 2021, 39, 271-295.	1.6	15
27	Re-evaluation of Infiltration-driven Regional Metamorphism in Northern New England: New Transport Models with Solid Solution and Cross-layer Equilibration of Fluid Composition. <i>Journal of Petrology</i> , 2013, 54, 2455-2485.	1.1	14
28	Variable sulfur isotope composition of sulfides provide evidence for multiple sources of contamination in the Rustenburg Layered Suite, Bushveld Complex. <i>Earth and Planetary Science Letters</i> , 2018, 492, 163-173.	1.8	14
29	The Systematics of Chlorine, Lithium, and Boron and $\delta^{37}\text{Cl}$, $\delta^{7}\text{Li}$, and $\delta^{11}\text{B}$ in the Hydrothermal System of the Yellowstone Plateau Volcanic Field. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009589.	1.0	14
30	A Method for Secondary Ion Mass Spectrometry Measurement of Lithium Isotopes in Garnet: The Utility of Glass Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 477-499.	1.7	13
31	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
32	Episodic fluid flow in an eclogite-facies shear zone: Insights from Li isotope zoning in garnet. <i>Geology</i> , 2022, 50, 746-750.	2.0	10
33	6 Lithium Isotope Geochemistry. , 2017, , 165-218.		9
34	The roles of mechanical mixing and fluid transport in the formation of reaction zones in subduction-related mantle: Evidence from highly siderophile elements. <i>Chemical Geology</i> , 2019, 525, 96-111.	1.4	9
35	Marine Volcaniclastic Record of Early Arc Evolution in the Eastern Ritter Range Pendant, Central Sierra Nevada, California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2543-2559.	1.0	8
36	Multiple sulfur isotopes reveal a possible non-crustal source of sulfur for the Bushveld Province, southern Africa. <i>Geology</i> , 2019, 47, 982-986.	2.0	7

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37	Li isotope zoning in garnet from Franciscan eclogite and amphibolite: The role of subduction-related fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 198-213.	1.6	7
38	A MÃ©lange of Subduction Ages: Constraints on the Timescale of Shear Zone Development and Underplating at the Subduction Interface, Catalina Schist (CA, USA). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009790.	1.0	7
39	Fingerprints of forearc element mobility in blueschist-facies metaconglomerates, Catalina Schist, California. <i>International Geology Review</i> , 2017, 59, 741-752.	1.1	6
40	Coupled dichotomies of apatite and fluid composition during contact metamorphism of siliceous carbonate rocks. <i>American Mineralogist</i> , 2005, 90, 1606-1618.	0.9	3
41	Subduction, fluids, and accessory minerals: a celebration of the career of Sorena S. Sorensen. <i>International Geology Review</i> , 2017, 59, 523-525.	1.1	0