

# Jane Selverstone

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9208700/publications.pdf>

Version: 2024-02-01

72  
papers

4,627  
citations

94433

37  
h-index

106344

65  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative P-T paths from zoned minerals: Theory and tectonic applications. Contributions To Mineralogy and Petrology, 1983, 83, 348-357.	3.1	336
2	Carbonate dissolution during subduction revealed by diamond-bearing rocks from the Alps. Nature Geoscience, 2011, 4, 703-706.	12.9	324
3	Trace-element-rich brines in eclogitic veins: implications for fluid composition and transport during subduction. Contributions To Mineralogy and Petrology, 1991, 106, 417-430.	3.1	314
4	Evidence for east-west crustal extension in the Eastern Alps: Implications for the unroofing history of the Tauern window. Tectonics, 1988, 7, 87-105.	2.8	265
5	High-Pressure Metamorphism in the SW Tauern Window, Austria: P-T Paths from Hornblende-Kyanite-Stauroilite Schists. Journal of Petrology, 1984, 25, 501-531.	2.8	208
6	Fluid channelling during ductile shearing: transformation of granodiorite into aluminous schist in the Tauern Window, Eastern Alps. Journal of Metamorphic Geology, 1991, 9, 419-431.	3.4	184
7	P-T paths from garnet zoning: A new technique for deciphering tectonic processes in crystalline terranes. Geology, 1984, 12, 87.	4.4	172
8	Fluid variability in 2 GPa eclogites as an indicator of fluid behavior during subduction. Contributions To Mineralogy and Petrology, 1992, 112, 341-357.	3.1	163
9	Petrologic constraints on imbrication, metamorphism, and uplift in the SW Tauern Window, eastern Alps. Tectonics, 1985, 4, 687-704.	2.8	143
10	Trace-element zoning in a metamorphic garnet. Geology, 1987, 15, 573.	4.4	136
11	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.	3.3	126
12	Correlation by Rb-Sr geochronology of garnet growth histories from different structural levels within the Tauern Window, Eastern Alps. Contributions To Mineralogy and Petrology, 1994, 118, 1-12.	3.1	125
13	The chlorine isotope composition of chondrites and Earth. Geochimica Et Cosmochimica Acta, 2013, 107, 189-204.	3.9	112
14	Metamorphic consequences of thrust emplacement, Fall Mountain, New Hampshire. Bulletin of the Geological Society of America, 1990, 102, 1344-1360.	3.3	97
15	Metamorphic P-T Paths from pelitic schists and greenstones from the south-west Tauern Window, Eastern Alps. Journal of Metamorphic Geology, 1985, 3, 439-465.	3.4	91
16	ARE THE ALPS COLLAPSING?. Annual Review of Earth and Planetary Sciences, 2005, 33, 113-132.	11.0	86
17	Sm-Nd dating of multiple garnet growth events in an arc-continent collision zone, northwestern U.S. Cordillera. Contributions To Mineralogy and Petrology, 1993, 115, 45-57.	3.1	69
18	Stable isotopic and trace element evidence for restricted fluid migration in 2 GPa eclogites. Journal of Metamorphic Geology, 1994, 12, 747-760.	3.4	69

#	ARTICLE	IF	CITATIONS
19	Interactions between serpentinite devolatilization, metasomatism and strike-slip strain localization during deep-crustal shearing in the Eastern Alps. <i>Journal of Metamorphic Geology</i> , 2004, 22, 283-300.	3.4	68
20	Structural expression of a rolling hinge in the footwall of the Brenner Line normal fault, eastern Alps. <i>Tectonics</i> , 1995, 14, 1380-1392.	2.8	63
21	The paragonite-muscovite solvus: I. P-T-X limits derived from the Na-K compositions of natural, quasibinary paragonite-muscovite pairs. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2269-2275.	3.9	58
22	Effect of aqueous and carbonic fluids on the dislocation creep strength of quartz. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
23	Stress state and fluid-pressure level along the Whipple detachment fault, California. <i>Geology</i> , 1994, 22, 835.	4.4	54
24	Intracontinental subduction and hinged unroofing along the Salmon River Suture Zone, west central Idaho. <i>Tectonics</i> , 1992, 11, 124-144.	2.8	53
25	The Crust of the Colorado Plateau: New Views of an Old Arc. <i>Journal of Geology</i> , 1999, 107, 387-397.	1.4	53
26	Xenolithic evidence for Proterozoic crustal evolution beneath the Colorado Plateau. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 590-606.	3.3	52
27	Diamond formation by carbon saturation in C-H fluids during cold subduction of oceanic lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 68-86.	3.9	52
28	Deep burial of the footwall of the northern Snake Range decollement, Nevada. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 0039.	3.3	50
29	Oxygen isotope evidence for subduction and rift-related mantle metasomatism beneath the Colorado Plateau-Rio Grande rift transition. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 633-650.	3.1	50
30	<sup>40</sup> Ar/ <sup>39</sup> Ar Thermochronology of Mesoproterozoic Metamorphism in the Colorado Front Range. <i>Journal of Geology</i> , 1999, 107, 49-67.	1.4	49
31	Apparent isobaric cooling paths from granulites: Two counterexamples from British Columbia and New Hampshire. <i>Geology</i> , 1990, 18, 307.	4.4	46
32	Chlorine isotope evidence for multicomponent mantle metasomatism in the Ivrea Zone. <i>Earth and Planetary Science Letters</i> , 2011, 310, 429-440.	4.4	46
33	Fluid inclusion constraints on the kinematics of footwall uplift beneath the Brenner Line normal fault, eastern Alps. <i>Tectonics</i> , 1995, 14, 264-278.	2.8	44
34	Post-125 Ma carbon storage associated with continent-continent collision. <i>Geology</i> , 1993, 21, 885.	4.4	41
35	Hydrothermal uranium deposits containing molybdenum and fluorite in the Marysvale volcanic field, west-central Utah. <i>Mineralium Deposita</i> , 1998, 33, 477-494.	4.1	41
36	The Behavior of Halogens During Subduction-Zone Processes. <i>Springer Geochemistry</i> , 2018, , 545-590.	0.1	39

#	ARTICLE	IF	CITATIONS
37	Chlorine isotope chemistry of serpentinites from Elba, Italy, as an indicator of fluid source and subsequent tectonic history. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	37
38	Chlorine isotope constraints on fluid-rock interactions during subduction and exhumation of the Zermatt-Saas ophiolite. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4370-4391.	2.5	33
39	Chlorine isotope behavior during prograde metamorphism of sedimentary rocks. <i>Earth and Planetary Science Letters</i> , 2015, 417, 120-131.	4.4	33
40	High-temperature embrittlement of extensional Alpine mylonite zones in the midcrustal ductile-brittle transition. <i>Journal of Geophysical Research</i> , 2001, 106, 4337-4348.	3.3	32
41	Geochemistry, Nd and Sr isotopes, and U/Pb Zircon ages of Granitoid and Metasedimentary Xenoliths from the Navajo Volcanic Field, Four Corners area, Southwestern United States. <i>Chemical Geology</i> , 1999, 156, 95-133.	3.3	30
42	Water exsolution from quartz: Implications for the generation of retrograde metamorphic fluids. <i>Geology</i> , 1983, 11, 82.	4.4	29
43	Chemical and physical responses to deformation in micaceous quartzites from the Tauern Window, Eastern Alps. <i>Journal of Metamorphic Geology</i> , 2003, 21, 335-345.	3.4	29
44	Upper mantle structure beneath the eastern Colorado Plateau and Rio Grande rift revealed by Bouguer gravity, seismic velocities, and xenolith data. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	29
45	Origin and mechanical significance of honeycomb garnet in high-pressure metasedimentary rocks from the Tauern Window, Eastern Alps. <i>Journal of Metamorphic Geology</i> , 2007, 25, 565-583.	3.4	29
46	Fluid inclusions as petrogenetic indicators in granulite xenoliths, Pali-Aike volcanic field, Chile. <i>Contributions To Mineralogy and Petrology</i> , 1982, 79, 28-36.	3.1	28
47	Gold butte crustal section, South Virgin Mountains, Nevada. <i>Tectonics</i> , 1992, 11, 1099-1120.	2.8	28
48	Infiltration vs. thermal overprinting of epidote blueschists, Ile de Groix, France. <i>Geology</i> , 1993, 21, 69.	4.4	28
49	Preferential embrittlement of graphitic schists during extensional unroofing in the Alps: the effect of fluid composition on rheology in low-permeability rocks. <i>Journal of Metamorphic Geology</i> , 2005, 23, 461-470.	3.4	28
50	Fault localization controlled by fluid infiltration into mylonites: Formation and strength of low-angle normal faults in the midcrustal brittle-plastic transition. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
51	Styles of footwall uplift along the Simplon and Brenner normal fault systems, central and Eastern Alps. <i>Tectonics</i> , 2001, 20, 748-770.	2.8	27
52	Origin of the continental crust in the Colorado Plateau: Geochemical evidence from mafic xenoliths from the Navajo Volcanic Field, southwestern USA. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2007-2021.	3.9	26
53	Correlations between fluid composition and deep-seated structural style in the footwall of the Simplon low-angle normal fault, Switzerland. <i>Geology</i> , 1999, 27, 715.	4.4	26
54	Pyroxenite xenoliths from the Rio Puerco volcanic field, New Mexico: Melt metasomatism at the margin of the Rio Grande rift. , 2006, 2, 333.		24

#	ARTICLE	IF	CITATIONS
55	Episodic weakening and strengthening during synmetamorphic deformation in a deep-crustal shear zone in the Alps. Geological Society Special Publication, 2001, 186, 141-156.	1.3	22
56	Fluid heterogeneities and hornblende stability in interlayered graphitic and nongraphitic schists (Tauern Window, Eastern Alps). Contributions To Mineralogy and Petrology, 1987, 96, 426-440.	3.1	21
57	Retrieval of P-T information from shear zones: thermobarometric consequences of changes in plagioclase deformation mechanisms. Contributions To Mineralogy and Petrology, 2006, 151, 600-614.	3.1	20
58	Metamorphosed soils as stratigraphic indicators in deformed terranes: An example from the Eastern Alps. Geology, 1987, 15, 841.	4.4	18
59	Particle-size distributions of low-angle normal fault breccias: Implications for slip mechanisms on weak faults. Journal of Structural Geology, 2013, 55, 50-61.	2.3	17
60	Rapid growth and strain rates inferred from synkinematic garnets, Penokean orogeny, Minnesota. Geology, 1990, 18, 166.	4.4	14
61	Early Proterozoic oceanic crust in the northern Colorado Front Range: Implications for crustal growth and initiation of basement faults. Tectonics, 2003, 22, n/a-n/a.	2.8	14
62	Microtextural constraints on the interplay between fluid-rock reactions and deformation. Contributions To Mineralogy and Petrology, 2008, 156, 501-515.	3.1	14
63	Co-existing aluminum silicates in quartz veins: A quantitative approach for determining andalusite-sillimanite equilibrium in natural samples using oxygen isotopes. American Mineralogist, 2002, 87, 417-423.	1.9	8
64	Geomorphic expression of midcrustal extension in convergent orogens. Tectonics, 2007, 26, .	2.8	7
65	Paleostress directions near two low-angle normal faults: Testing mechanical models of weak faults and off-fault damage. , 2015, 11, 1996-2014.		6
66	Post-125 Ma carbon storage associated with continent-continent collision: Comment and Reply. Geology, 1994, 22, 381-383.	4.4	3
67	A rock record of paleoseismic cycling: Unique layered cataclasites below the West Salton detachment fault, southern California. , 2018, 14, 187-214.		2
68	Field trip to the Tauern Window region along the TRANSALP seismic profile, Eastern Alps, Austria. , 2011, , 101-120.		2
69	Comment and Reply on "Metamorphosed soils as stratigraphic indicators in deformed terranes: An example from the Eastern Alps". Geology, 1988, 16, 571.	4.4	1
70	Comment and Reply on "P-T paths from garnet zoning: A new technique for deciphering tectonic processes in crystalline terranes". Geology, 1985, 13, 81.	4.4	0
71	Ophiolites in Earth History. Eos, 2004, 85, 456.	0.1	0
72	Mountain Geomorphology. Eos, 2005, 86, 258.	0.1	0