Ivan P Savov

List of Publications by Year
in descending order

67 papers	2,592 citations	172457 29 h-index	197818 49 g-index
67 all docs	67 docs citations	67 times ranked	2931 citing authors

#	Article	IF	Citations
1	Historical and morphological evidence for multi-stage growth of El Volcancito, VolcÃ¡n de Colima. Journal of Volcanology and Geothermal Research, 2022, 421, 107447.	2.1	3
2	Crystallization and Segregation of Syenite in Shallow Mafic Sills: Insights from the San Rafael Subvolcanic Field, Utah. Journal of Petrology, 2021, 61, .	2.8	2
3	Volcaniclastic sandstones record the influence of subducted Pacific MORB on magmatism at the early Izu-Bonin arc. Geochimica Et Cosmochimica Acta, 2021, 296, 170-188.	3.9	8
4	Basalt derived from highly refractory mantle sources during early Izu-Bonin-Mariana arc development. Nature Communications, 2021, 12, 1723.	12.8	23
5	Post-collisional shift from polygenetic to monogenetic volcanism revealed by new 40Ar/39Ar ages in the southern Lesser Caucasus (Armenia). Journal of Volcanology and Geothermal Research, 2021, 412, 107192.	2.1	6
6	Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. Earth and Planetary Science Letters, 2021, 562, 116848.	4.4	13
7	Sedimentary and volcanic record of the nascent Izu-Bonin-Mariana arc from IODP Site U1438. Bulletin of the Geological Society of America, 2020, , .	3.3	11
8	Is there a climatic control on Icelandic volcanism?. Quaternary Science Advances, 2020, 1, 100004.	1.9	2
9	Temporal Evolution of Proto-Izuâ€“Boninâ€“Mariana Arc Volcanism over 10â€‰Myr: Constraints from Statistical Analysis of Melt Inclusion Compositions. Journal of Petrology, 2020, 61, .	2.8	10
10	Boron isotope insights into the origin of subduction signatures in continent-continent collision zone volcanism. Earth and Planetary Science Letters, 2020, 538, 116207.	4.4	16
11	New constraints from Central Chile on the origins of enriched continental compositions in thick-crusted arc magmas. Geochimica Et Cosmochimica Acta, 2019, 267, 51-74.	3.9	20
12	A limited role for metasomatized subarc mantle in the generation of boron isotope signatures of arc volcanic rocks. Geology, 2019, 47, 517-521.	4.4	18
13	Challenges of determining frequency and magnitudes of explosive eruptions even with an unprecedented stratigraphy. Journal of Applied Volcanology, 2019, 8, .	2.0	4
14	Holocene Eruption History and Magmatic Evolution of the Colima Volcanic Complex. Active Volcanoes of the World, 2019, , 1-25.	1.4	2
15	Standard chemicalâ€based tephra extraction methods significantly alter the geochemistry of volcanic glass shards. Journal of Quaternary Science, 2019, 34, 697-707.	2.1	5
16	Evaluating tephrochronology in the permafrost peatlands of northern Sweden. Quaternary Geochronology, 2019, 50, 16-28.	1.4	7
17	Implications of Eocene-age Philippine Sea and forearc basalts for initiation and early history of the Izu-Bonin-Mariana arc. Geochimica Et Cosmochimica Acta, 2018, 228, 136-156.	3.9	48
18	Age of Izuâ€“Boninâ€“Mariana arc basement. Earth and Planetary Science Letters, 2018, 481, 80-90.	4.4	131

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19	Boron Isotopes as a Tracer of Subduction Zone Processes. Advances in Isotope Geochemistry, 2018, , 217-247.	1.4	47
20	Evaluating the relationship between climate change and volcanism. Earth-Science Reviews, 2018, 177, 238-247.	9.1	32
21	Climatic control on Icelandic volcanic activity during the mid-Holocene. Geology, 2018, 46, 47-50.	4.4	31
22	No significant boron in the hydrated mantle of most subducting slabs. Nature Communications, 2018, 9, 4602.	12.8	23
23	Origin of negative cerium anomalies in subduction-related volcanic samples: Constraints from Ce and Nd isotopes. Chemical Geology, 2018, 500, 46-63.	3.3	34
24	Alkaline magmas in zones of continental convergence: The Tezhsar volcano-intrusive ring complex, Armenia. Lithos, 2018, 320-321, 172-191.	1.4	27
25	The arc arises: The links between volcanic output, arc evolution and melt composition. Earth and Planetary Science Letters, 2017, 461, 73-84.	4.4	57
26	Subduction zone forearc serpentinites as incubators for deep microbial life. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4324-4329.	7.1	59
27	The presence of Holocene cryptotephra in Wales and southern England. Journal of Quaternary Science, 2017, 32, 493-500.	2.1	16
28	Estimating the frequency of volcanic ash clouds over northern Europe. Earth and Planetary Science Letters, 2017, 460, 41-49.	4.4	23
29	The transport of Icelandic volcanic ash: Insights from northern European cryptotephra records. Journal of Geophysical Research: Solid Earth, 2016, 121, 7177-7192.	3.4	19
30	VolcÃ¡n de Colima dome collapse of July, 2015 and associated pyroclastic density currents. Journal of Volcanology and Geothermal Research, 2016, 320, 100-106.	2.1	58
31	Reply to 'Unclear causes for subduction'. Nature Geoscience, 2016, 9, 338-339.	12.9	7
32	Late Cretaceous UHP metamorphism recorded in kyaniteâ€“garnet schists from the Central Rhodope Mountains, Bulgaria. Lithos, 2016, 246-247, 165-181.	1.4	14
33	Raman spectroscopy for the discrimination of tephras from the Hekla eruptions of AD 1510 and 1947. Holocene, 2016, 26, 432-438.	1.7	5
34	Do peatlands or lakes provide the most comprehensive distal tephra records?. Quaternary Science Reviews, 2016, 139, 110-128.	3.0	42
35	First discovery of Holocene cryptotephra in Amazonia. Scientific Reports, 2015, 5, 15579.	3.3	7
36	Spatial variability of tephra and carbon accumulation in a Holocene peatland. Quaternary Science Reviews, 2015, 124, 248-264.	3.0	22

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37	Subsurface hydrothermal processes and the bioenergetics of chemolithoautotrophy at the shallow-sea vents off Panarea Island (Italy). Chemical Geology, 2015, 407-408, 21-45.	3.3	39
38	An abrupt extinction in the Middle Permian (Capitanian) of the Boreal Realm (Spitsbergen) and its link to anoxia and acidification. Bulletin of the Geological Society of America, 2015, 127, 1411-1421.	3.3	87
39	A record of spontaneous subduction initiation in the Izuâ€“Boninâ€“Mariana arc. Nature Geoscience, 2015, 8, 728-733.	12.9	194
40	High-K Mafic Plinian Eruptions of VolcÃ¡n de Colima, Mexico. Journal of Petrology, 2014, 55, 2155-2192.	2.8	29
41	Paleoenvironmental conditions recorded by 87Sr/86Sr, Î´13C and Î´18O in late Pliensbachianâ€“Toarcian (Jurassic) belemnites from Bulgaria. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 409, 98-113.	2.3	8
42	Si-metasomatism in serpentinized peridotite: The effects of talc-alteration on strontium and boron isotopes in abyssal serpentinites from Hole 1268a, ODP Leg 209. Geochimica Et Cosmochimica Acta, 2014, 126, 30-48.	3.9	43
43	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.	3.3	66
44	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, 2014, 25, 1039-1039.	1.3	0
45	Processes influencing extreme As enrichment in shallow-sea hydrothermal fluids of Milos Island, Greece. Chemical Geology, 2013, 348, 15-26.	3.3	81
46	Crystallization conditions and petrogenesis of the lava dome from the â¼4900ÂyearsÂBP eruption of Cerro MachÃn Volcano, Colombia. Journal of South American Earth Sciences, 2013, 48, 193-208.	1.4	20
47	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.	1.3	9
48	Volcanic ash clouds affecting Northern Europe: the long view. Geology Today, 2013, 29, 214-217.	0.9	9
49	GPR investigation of tephra fallout, Cerro Negro volcano, Nicaragua: a method for constraining parameters used in tephra sedimentation models. Bulletin of Volcanology, 2012, 74, 1409-1424.	3.0	17
50	Probabilistic approach to modeling lava flow inundation: a lava flow hazard assessment for a nuclear facility in Armenia. Journal of Applied Volcanology, 2012, 1, .	2.0	58
51	The fate of subducted oceanic slabs in the shallow mantle: Insights from boron isotopes and light element composition of metasomatized blueschists from the Mariana forearc. Lithos, 2012, 132-133, 162-179.	1.4	76
52	Minor effect of physical size sorting on iron solubility of transported mineral dust. Atmospheric Chemistry and Physics, 2011, 11, 8459-8469.	4.9	44
53	A 7000 yr perspective on volcanic ash clouds affecting northern Europe. Geology, 2011, 39, 887-890.	4.4	66
54	Evidence for boron incorporation into the serpentine crystal structure. American Mineralogist, 2011, 96, 1112-1119.	1.9	42

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55	Tephrochronology, petrology and geochemistry of Late-Holocene pyroclastic deposits from VolcÃ¡n de Colima, Mexico. Journal of Volcanology and Geothermal Research, 2010, 197, 1-32.	2.1	33
56	Boron isotopic variations in NW USA rhyolites: Yellowstone, Snake River Plain, Eastern Oregon. Journal of Volcanology and Geothermal Research, 2009, 188, 162-172.	2.1	26
57	Insights into Li and Li isotope cycling and sub-arc metasomatism from veined mantle xenoliths, Kamchatka. Contributions To Mineralogy and Petrology, 2009, 158, 197-222.	3.1	79
58	Sodic Pyroxene and Sodic Amphibole as Potential Reference Materials for In Situ Lithium Isotope Determinations by SIMS. Geostandards and Geoanalytical Research, 2008, 32, 295-310.	3.1	16
59	Petrology and geochemistry of lava and ash erupted from VolcÃ¡n Colima, Mexico, during 1998â€“2005. Journal of Volcanology and Geothermal Research, 2008, 174, 241-256.	2.1	76
60	Chemical and isotopic constraints on water/rock interactions at the Lost City hydrothermal field, 30Â°N Mid-Atlantic Ridge. Geochimica Et Cosmochimica Acta, 2008, 72, 5457-5474.	3.9	79
61	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
62	Petrology and Geochemistry of West Philippine Basin Basalts and Early Palauâ€“Kyushu Arc Volcanic Clasts from ODP Leg 195, Site 1201D: Implications for the Early History of the Izuâ€“Boninâ€“Mariana Arc. Journal of Petrology, 2006, 47, 277-299.	2.8	74
63	Origin of diverse geochemical signatures in igneous rocks from the West Philippine Basin: Implications for tectonic models. Geophysical Monograph Series, 2006, , 287-303.	0.1	17
64	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.	2.5	183
65	Lithium abundance and isotope systematics of forearc serpentinites, Conical Seamount, Mariana forearc: Insights into the mechanics of slab-mantle exchange during subduction. Geochemistry, Geophysics, Geosystems, 2004, 5, .	2.5	87
66	Late Precambrian Balkan-Carpathian ophiolite â€” a slice of the Pan-African ocean crust?: geochemical and tectonic insights from the Tcherni Vrah and Deli Jovan massifs, Bulgaria and Serbia. Journal of Volcanology and Geothermal Research, 2001, 110, 299-318.	2.1	37
67	Formation of ultrapotassic magma via crustal contamination and hybridization of mafic magma: an example from the Stomanovo monzonite, Central Rhodope Massif, Bulgaria. Geological Magazine, 0, , 1-16.	1.5	3