Stefano Salvi

List of Publications by Year
in descending order

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80	2,710	186265 28	189892 50
papers	citations	h-index	g-index

82	82	82	1764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of hydrothermal processes in concentrating high-field strength elements in the Strange Lake peralkaline complex, northeastern Canada. Geochimica Et Cosmochimica Acta, 1996, 60, 1917-1932.	3.9	188
2	The role of hydrothermal processes in the granite-hosted Zr, Y, REE deposit at Strange Lake, Quebec/Labrador: Evidence from fluid inclusions. Geochimica Et Cosmochimica Acta, 1990, 54, 2403-2418.	3.9	142
3	Textural Features and Chemical Evolution in Tantalum Oxides: Magmatic Versus Hydrothermal Origins for Ta Mineralization in the Tanco Lower Pegmatite, Manitoba, Canada. Economic Geology, 2007, 102, 257-276.	3.8	135
4	Alteration, HFSE mineralisation and hydrocarbon formation in peralkaline igneous systems: Insights from the Strange Lake Pluton, Canada. Lithos, 2006, 91, 19-34.	1.4	132
5	Title is missing!. Journal of Materials Science, 2002, 37, 1561-1573.	3.7	129
6	Fischer-Tropsch synthesis of hydrocarbons during sub-solidus alteration of the Strange Lake peralkaline granite, Quebec/Labrador, Canada. Geochimica Et Cosmochimica Acta, 1997, 61, 83-99.	3.9	113
7	Formation and Deformation of Pyrite and Implications for Gold Mineralization in the El Callao District, Venezuela. Economic Geology, 2014, 109, 457-486.	3.8	109
8	An experimental study of the solubility of baddeleyite (ZrO2) in fluoride-bearing solutions at elevated temperature. Geochimica Et Cosmochimica Acta, 2011, 75, 7426-7434.	3.9	85
9	Trace element geochemistry by laser ablation ICP-MS of micas associated with Ta mineralization in the Tanco pegmatite, Manitoba, Canada. Contributions To Mineralogy and Petrology, 2008, 155, 791-806.	3.1	83
10	Gold metallogeny in the Birimian craton of Burkina Faso (West Africa). Journal of African Earth Sciences, 2008, 50, 215-233.	2.0	80
11	The role of carbon dioxide in the transport and fractionation of metals by geological fluids. Geochimica Et Cosmochimica Acta, 2017, 197, 433-466.	3.9	77
12	Hydrothermal Mobilization of High Field Strength Elements in Alkaline Igneous Systems: Evidence from the Tamazeght Complex (Morocco). Economic Geology, 2000, 95, 559-576.	3.8	76
13	Experimental investigation of aluminum-silica aqueous complexing at 300Â°C. Chemical Geology, 1998, 151, 51-67.	3.3	66
14	Experimental study of gold-hydrosulphide complexing in aqueous solutions at 350â€“500Â°C, 500 and 1000 bars using mineral buffers. Geochimica Et Cosmochimica Acta, 2005, 69, 2119-2132.	3.9	57
15	A new metamorphic constraint for the Eburnean orogeny from Paleoproterozoic formations of the Man shield (Aribinda and Tampelga countries, Burkina Faso). Precambrian Research, 2003, 123, 47-65.	2.7	55
16	Tin and associated metal and metalloid geochemistry by femtosecond LA-ICP-QMS microanalysis of pegmatiteâ€“leucogranite melt and fluid inclusions: new evidence for meltâ€“meltâ€“fluid immiscibility. Mineralogical Magazine, 2012, 76, 91-113.	1.4	54
17	Zirconosilicate phase relations in the Strange Lake (Lac Brisson) Pluton, Quebec-Labrador, Canada. American Mineralogist, 1995, 80, 1031-1040.	1.9	47
18	REE and HFSE mineralization in peralkaline granites of the Ambohimirahavavy alkaline complex, Ampasindava peninsula, Madagascar. Journal of African Earth Sciences, 2014, 94, 141-155.	2.0	46

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19	Quartz trace-element composition by LA-ICP-MS as proxy for granite differentiation, hydrothermal episodes, and related mineralization: The Beauvoir Granite (EchassiÃ¨res district), France. Lithos, 2018, 320-321, 355-377.	1.4	46
20	Geology and geochemistry of the shear-hosted Julie gold deposit, NW Ghana. Journal of African Earth Sciences, 2015, 112, 505-523.	2.0	45
21	Mica composition as a vector to gold mineralization: Deciphering hydrothermal and metamorphic effects in the Malartic district, Quebec. Ore Geology Reviews, 2018, 95, 789-820.	2.7	43
22	Unusual evolution of silica-under- and -oversaturated alkaline rocks in the Cenozoic Ambohimirahavavy Complex (Madagascar): Mineralogical and geochemical evidence. Lithos, 2014, 206-207, 361-383.	1.4	37
23	Reduced orthomagmatic C-O-H-N-NaCl fluids in the Strange Lake rare-metal granitic complex, Quebec/Labrador, Canada. European Journal of Mineralogy, 1992, 4, 1155-1174.	1.3	37
24	Northern Puna Plateau-scale survey of Li brine-type deposits in the Andes of NW Argentina. Journal of Geochemical Exploration, 2018, 190, 26-38.	3.2	35
25	Experimental study of aluminum speciation in fluoride-rich supercritical fluids. Geochimica Et Cosmochimica Acta, 2002, 66, 2013-2024.	3.9	34
26	THE ROLE OF METAGABBRO RAFTS ON TANTALUM MINERALIZATION IN THE TANCO GRANITIC PEGMATITE, MANITOBA. Canadian Mineralogist, 2006, 44, 625-644.	1.0	33
27	In Situ Multi-Element Analysis of the Mount Pinatubo Quartz-Hosted Melt Inclusions by NIR Femtosecond Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. Geostandards and Geoanalytical Research, 2008, 32, 209-229.	1.9	32
28	The Origin of Skarn-Hosted Rare-Metal Mineralization in the Ambohimirahavavy Alkaline Complex, Madagascar. Economic Geology, 2015, 110, 1485-1513.	3.8	29
29	Tectonic evolution of the Gaoua region, Burkina Faso: Implications for mineralization. Journal of African Earth Sciences, 2015, 112, 419-439.	2.0	28
30	The Paleoproterozoic Copper-Gold Deposits of the Gaoua District, Burkina Faso: Superposition of Orogenic Gold on a Porphyry Copper Occurrence?. Economic Geology, 2017, 112, 99-122.	3.8	28
31	Evaluation of talc morphology using FTIR and H/D substitution. Clay Minerals, 2003, 38, 141-150.	0.6	27
32	Abiogenic hydrocarbon isotopic signatures in granitic rocks: Identifying pathways of formation. Lithos, 2013, 182-183, 114-124.	1.4	26
33	The Wassa deposit: A poly-deformed orogenic gold system in southwest Ghana â€“ Implications for regional exploration. Journal of African Earth Sciences, 2015, 112, 536-547.	2.0	26
34	Mesozoic vein-type Pbâ€“Zn mineralization in the Pyrenees: Lead isotopic and fluid inclusion evidence from the Les ArgentiÃ¨res and Lacore deposits. Comptes Rendus - Geoscience, 2016, 348, 322-332.	1.2	25
35	In Situ Determination of Au and Cu in Natural Pyrite by Nearâ€Infrared Femtosecond Laser Ablationâ€Inductively Coupled Plasmaâ€Quadrupole Mass Spectrometry: No Evidence for Matrix Effects. Geostandards and Geoanalytical Research, 2012, 36, 315-324.	3.1	24
36	Multistage gold mineralization in the Wa-Lawra greenstone belt, NW Ghana: The Bepkong deposit. Journal of African Earth Sciences, 2016, 120, 220-237.	2.0	23

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37	H2Oâ€“CO2â€“S fluid triggering the 1991 Mount Pinatubo climactic eruption (Philippines). Bulletin of Volcanology, 2014, 76, 1.	3.0	22
38	Fine-probing the crystal-chemistry of talc by MAS-NMR spectroscopy. European Journal of Mineralogy, 2006, 18, 641-651.	1.3	21
39	Progressive gold mineralization along the Syama corridor, southern Mali (West Africa). Ore Geology Reviews, 2016, 78, 586-598.	2.7	21
40	The Pampe gold deposit (Ghana): Constraints on sulfide evolution during gold mineralization. Ore Geology Reviews, 2016, 78, 673-686.	2.7	20
41	Paleoproterozoic gold events in the southern West African Craton: review and synopsis. Mineralium Deposita, 2022, 57, 513-537.	4.1	20
42	Proximal and distal styles of pegmatite-related metasomatic emerald mineralization at Ianapera, southern Madagascar. Mineralium Deposita, 2009, 44, 817-835.	4.1	19
43	Contrasting fluid behavior during two styles of greisen alteration leading to distinct wolframite mineralizations: The EchassiÃ¨res district (Massif Central, France). Ore Geology Reviews, 2020, 124, 103648.	2.7	19
44	The Bepkong gold deposit, Northwestern Ghana. Ore Geology Reviews, 2016, 78, 718-723.	2.7	18
45	Multiple Generations of Wolframite Mineralization in the Echassieres District (Massif Central,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.6	17
46	Brine grades in Andean salars: When basin size matters A review of the Lithium Triangle. Earth-Science Reviews, 2021, 217, 103615.	9.1	17
47	Textural and fluid inclusion constraints on the origin of the banded-iron-formation-hosted gold deposits at Maevatanana, central Madagascar. Mineralium Deposita, 2007, 42, 385-398.	4.1	15
48	The Inata deposit, Belahouro District, northern Burkina Faso. Ore Geology Reviews, 2016, 78, 639-644.	2.7	15
49	Shear-related gold mineralization in Northwest Ghana: The Julie deposit. Ore Geology Reviews, 2016, 78, 712-717.	2.7	15
50	Lithium and Brine Geochemistry in the Salars of the Southern Puna, Andean Plateau of Argentina. Economic Geology, 2020, 115, 1079-1096.	3.8	15
51	A weathered skarn-type mineralization in Ivory Coast: The Ity gold deposit. Ore Geology Reviews, 2016, 78, 724-730.	2.7	14
52	Crystallization and destabilization of eudialyte-group minerals in peralkaline granite and pegmatite: a case study from the Ambohimirahavavy complex, Madagascar. Mineralogical Magazine, 2018, 82, 375-399.	1.4	13
53	Mica trace-element signatures: Highlighting superimposed W-Sn mineralizations and fluid sources. Chemical Geology, 2022, 600, 120866.	3.3	13
54	The Nassara gold prospect, Gaoua District, southwestern Burkina Faso. Ore Geology Reviews, 2016, 78, 623-630.	2.7	12

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55	Alkali pyroxenes and amphiboles: a window on rare earth elements and other high field strength elements behavior through the magmatic-hydrothermal transition of peralkaline granitic systems. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	12
56	Tracking Cobalt, REE and Gold from a Porphyry-Type Deposit by LA-ICP-MS: A Geological Approach towards Metal-Selective Mining in Tailings. Minerals (Basel, Switzerland), 2020, 10, 109.	2.0	11
57	First occurrence of Paleoproterozoic oceanic plateau in the Guiana Shield: The gold-bearing El Callao Formation, Venezuela. Precambrian Research, 2011, 186, 181-192.	2.7	10
58	Hydrogen generation during hydrothermal alteration of peralkaline granite. Geochimica Et Cosmochimica Acta, 2021, 308, 42-59.	3.9	10
59	The Kalana vein-hosted gold deposit, southern Mali. Ore Geology Reviews, 2016, 78, 599-605.	2.7	9
60	Control of Shear-Zone-Induced Pressure Fluctuations on Gold Endowment: The Giant El Callao District, Guiana Shield, Venezuela. Minerals (Basel, Switzerland), 2018, 8, 430.	2.0	9
61	The Ianapera-Ampanihy Suture, SW Madagascar: A major tectonic boundary on the eastern margin of the Mozambique belt. Journal of African Earth Sciences, 2014, 94, 31-44.	2.0	7
62	Geology of bastnaesite and monazite deposits in the Ambatofinandrahana area, central part of Madagascar: An overview. Journal of African Earth Sciences, 2014, 94, 128-140.	2.0	7
63	Geological setting of the Wassa gold deposit, SW Ghana. Ore Geology Reviews, 2016, 78, 687-691.	2.7	7
64	A review of Ni and Co incorporation during talc synthesis: Applications to crystal chemistry, industrial compounds and natural Ni- and Co-rich ore. Journal of Geochemical Exploration, 2019, 200, 27-36.	3.2	7
65	The use of lithogeochemistry in delineating hydrothermal fluid pathways and vectoring towards gold mineralization in the Malartic district, QuÃ©bec. Ore Geology Reviews, 2020, 120, 103351.	2.7	7
66	Antimony in quartz as a vector to mineralization: A statistical approach from five Variscan Sb occurrences (France). Journal of Geochemical Exploration, 2021, 221, 106705.	3.2	7
67	Insights from mineral trace chemistry on the origin of NYF and mixed LCTâ€‰+â€‰NYF pegmatites and their mineralization at Mangodara, SW Burkina Faso. Mineralium Deposita, 2023, 58, 75-104.	4.1	6
68	Metal-Selective Processing from the Los Sulfatos Porphyry-Type Deposit in Chile: Co, Au, and Re Recovery Workflows Based on Advanced Geochemical Characterization. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td (	2.0	5
69	Gold mineralization related to Proterozoic cover in the Congo craton (Central African Republic): A consequence of Panafrican events. Journal of African Earth Sciences, 2020, 166, 103825.	2.0	5
70	Episodic Precipitation of Wolframite during An Orogen: The EchassiÃ¨res District, Variscan Belt of France. Minerals (Basel, Switzerland), 2021, 11, 923.	2.0	5
71	Petrogenetic links between rare metal-bearing pegmatites and TTG gneisses in the West African Craton: The Mangodara district of SW Burkina Faso. Precambrian Research, 2021, 364, 106359.	2.7	5
72	Editorial for Special Issue â€œRare Earth Deposits and Challenges of World REE Demand for High-Tech and Green-Tech at the Beginning of the 3rd Millenniumâ€• Minerals (Basel, Switzerland), 2021, 11, 378.	2.0	4

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73	Reply to Comment by T. C. Birkett and R. R. Miller on â€œThe role of hydrothermal processes in the granite-hosted Zr, Y, REE deposit at Strange Lake, Quebec/Labrador: Evidence from fluid inclusionsâ€• Geochimica Et Cosmochimica Acta, 1991, 55, 3447-3449.	3.9	2
74	MINERAL AND FLUID EQUILIBRIA IN Mo-BEARING SKARN AT THE ZENITH DEPOSIT, SOUTHWESTERN GRENVILLE PROVINCE, RENFREW AREA, ONTARIO, CANADA. Canadian Mineralogist, 2000, 38, 937-950.	1.0	2
75	Fluid Inclusion and Stable Isotope Constraints On the Formation of the Ianapera Emerald Deposit, Southern Madagascar. Canadian Mineralogist, 2017, 55, 619-650.	1.0	1
76	First insights on the molybdenum-copper Bled M'Dena complex (Eglab massif, Algeria). Journal of African Earth Sciences, 2017, 127, 159-174.	2.0	1
77	Rapid migration of CO2-rich micro-fluids in calcite matrices. Scientific Reports, 2018, 8, 14080.	3.3	1
78	Escape of Supercritical-CO2 Fluids Trapped in Calcite Nano-metric Pores. E3S Web of Conferences, 2019, 98, 01056.	0.5	0
79	Quantification of major and trace elements in fluid inclusions and gas bubbles by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) with no internal standard: a new method. European Journal of Mineralogy, 2021, 33, 305-314.	1.3	0
80	Rare Earth Element Signatures of the Bled Mâ€™Dena Porphyry Molybdenum-Copper System, Eglab Massif (SW, Algeria). Advances in Science, Technology and Innovation, 2019, , 61-64.	0.4	0