

# Ulf HÅ¥lenius

## List of Publications by Year in descending order

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87  
papers

1,518  
citations

279701

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87  
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87  
docs citations

87  
times ranked

1666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal chemistry of the magnetite-ulvospinel series. <i>American Mineralogist</i> , 2009, 94, 181-189.	0.9	111
2	Iron isotope variations in Holocene sediments of the Gotland Deep, Baltic Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 807-826.	1.6	73
3	Structural relaxation around Cr <sup>3+</sup> and the red-green color change in the spinel (sensu) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 solid-solution series. <i>American Mineralogist</i> , 2010, 95, 456-462.	0.9	53
4	Compositional variations (major and trace elements) of clinopyroxene and Ti-andradite from pyroxenite, ijolite and nepheline syenite, AlnÅr Island, Sweden. <i>Lithos</i> , 2005, 81, 55-77.	0.6	50
5	SrAlSiH: A Polyanionic Semiconductor Hydride. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7269-7273.	7.2	46
6	Galaxite, MnAl <sub>2</sub> O <sub>4</sub> , a spectroscopic standard for tetrahedrally coordinated Mn <sup>2+</sup> in oxygen-based mineral structures. <i>American Mineralogist</i> , 2007, 92, 1225-1231.	0.9	42
7	Structural refinement and crystal chemistry of Mn-doped spinel: A case for tetrahedrally coordinated Mn <sup>3+</sup> in an oxygen-based structure. <i>American Mineralogist</i> , 2007, 92, 27-33.	0.9	42
8	Nb-, Zr- and LREE-rich titanite from the AlnÅr alkaline complex: Crystal chemistry and its importance as a petrogenetic indicator. <i>Lithos</i> , 2005, 83, 128-142.	0.6	39
9	Iron enrichments and Fe isotopic compositions of surface sediments from the Gotland Deep, Baltic Sea. <i>Chemical Geology</i> , 2010, 277, 310-322.	1.4	37
10	Blue spinel crystals in the MgAl <sub>2</sub> O <sub>4</sub> -CoAl <sub>2</sub> O <sub>4</sub> series: Part II. Cation ordering over short-range and long-range scales. <i>American Mineralogist</i> , 2012, 97, 1834-1840.	0.9	35
11	Experimental evidence for partial Fe <sup>2+</sup> disorder at the <i>Y</i> and <i>Z</i> sites of tourmaline: a combined EMP, SREF, MS, IR and OAS study of schorl. <i>Mineralogical Magazine</i> , 2015, 79, 515-528.	0.6	31
12	Crystal chemistry of the MgAl <sub>2</sub> O <sub>4</sub> -MgMn <sub>2</sub> O <sub>4</sub> -MnMn <sub>2</sub> O <sub>4</sub> system: Analysis of structural distortion in spinel- and hausmannite-type structures. <i>American Mineralogist</i> , 2010, 95, 602-607.	0.9	30
13	Coordination of boron in nominally boron-free rock forming silicates: Evidence for incorporation of BO <sub>3</sub> groups in clinopyroxene. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5672-5679.	1.6	30
14	A first record of strong structural relaxation of TO <sub>4</sub> tetrahedra in a spinel solid solution. <i>American Mineralogist</i> , 2011, 96, 617-622.	0.9	30
15	Native Cu from the oceanic crust: Isotopic insights into native metal origin. <i>Chemical Geology</i> , 2013, 359, 136-149.	1.4	28
16	The elasticity of MgAl <sub>2</sub> O <sub>4</sub> -MnAl <sub>2</sub> O <sub>4</sub> spinels by Brillouin scattering and an empirical approach for bulk modulus prediction. <i>American Mineralogist</i> , 2015, 100, 644-651.	0.9	28
17	Zn-O tetrahedral bond length variations in normal spinel oxides. <i>American Mineralogist</i> , 2011, 96, 594-598.	0.9	27
18	Vanadio-oxy-chromium-dravite, NaV <sub>3</sub> (Cr <sub>4</sub> Mg <sub>2</sub> )(Si <sub>6</sub> O <sub>18</sub> )(BO <sub>3</sub> ) <sub>3</sub> (OH) <sub>3</sub> O, a new mineral species of the tourmaline supergroup. <i>American Mineralogist</i> , 2014, 99, 1155-1162.	0.9	27

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19	Pyroxene standards for SIMS oxygen isotope analysis and their application to Merapi volcano, Sunda arc, Indonesia. <i>Chemical Geology</i> , 2016, 447, 1-10.	1.4	27
20	The MgCr <sub>2</sub> O <sub>4</sub> -MgFe <sub>2</sub> O <sub>4</sub> solid solution series: effects of octahedrally coordinated Fe <sup>3+</sup> on T-O bond lengths. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 465-474.	0.3	25
21	Color mechanisms in spinel: cobalt and iron interplay for the blue color. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 431-439.	0.3	25
22	Crystal Growth, Magnetic, and Optical Properties of the Ternary Nitride MnSiN <sub>2</sub> . <i>Chemistry of Materials</i> , 2006, 18, 2713-2718.	3.2	24
23	Cation ordering over short-range and long-range scales in the MgAl <sub>2</sub> O <sub>4</sub> -CuAl <sub>2</sub> O <sub>4</sub> series. <i>American Mineralogist</i> , 2012, 97, 1821-1827.	0.9	23
24	Gut contents and feeding in the Cambrian arthropod <i>Naraoia</i> . <i>Gff</i> , 2007, 129, 71-76.	0.4	22
25	Crystal chemistry of Al-Cr oxy-tourmalines from Sludyanka complex, Lake Baikal, Russia. <i>European Journal of Mineralogy</i> , 2017, 29, 457-472.	0.4	22
26	Blue spinel crystals in the MgAl <sub>2</sub> O <sub>4</sub> -CoAl <sub>2</sub> O <sub>4</sub> series: Part I. Flux growth and chemical characterization. <i>American Mineralogist</i> , 2012, 97, 1828-1833.	0.9	21
27	Thermally induced cation redistribution in Fe-bearing oxy-dravite and potential geothermometric implications. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	21
28	Late magmatic controls on the origin of schorlitic and foititic tourmalines from late-Variscan peraluminous granites of the Arbus pluton (SW Sardinia, Italy): Crystal-chemical study and petrological constraints. <i>Lithos</i> , 2018, 308-309, 395-411.	0.6	19
29	Fluor-elbaite, lepidolite and Ta-Nb oxides from a pegmatite of the 3000-Ma Sinceni Pluton, Swaziland: evidence for lithium-cesium-tantalum (LCT) pegmatites in the Mesoarchean. <i>European Journal of Mineralogy</i> , 2018, 30, 205-218.	0.4	19
30	An FTIR study of tetrahedrally coordinated ferrous iron in the spinel-hercynite solid solution. <i>American Mineralogist</i> , 2003, 88, 489-492.	0.9	18
31	Stoichiometry of synthetic ulvospinel single crystals. <i>American Mineralogist</i> , 2008, 93, 1312-1316.	0.9	18
32	Crystallographic and spectroscopic characterization of Fe-bearing chromo-alumino-povondraite and its relations with oxy-chromium-dravite and oxy-dravite. <i>American Mineralogist</i> , 2013, 98, 1557-1564.	0.9	18
33	Nomenclature of the magnetoplumbite group. <i>Mineralogical Magazine</i> , 2020, 84, 376-380.	0.6	18
34	Optical Absorption Spectra of (Mg, Fe)SiO <sub>3</sub> Silicate Perovskites. <i>Physics and Chemistry of Minerals</i> , 1994, 20, 478.	0.3	17
35	A mechanically switchable metal-insulator transition in Mg <sub>2</sub> NiH <sub>4</sub> discovers a strain sensitive, nanoscale modulated resistivity connected to a stacking fault. <i>Journal of Alloys and Compounds</i> , 2010, 496, 81-86.	2.8	17
36	Atacamite and paratacamite from the ultramafic-hosted Logatchev seafloor vent field (14°45'N, 114°00'W). <i>Contributions To Mineralogy and Petrology</i> , 2014, 174, 1-11.	0.4	17

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37	Crystal chemistry of spinels in the system $MgAl_2O_4$ - $MgVO_4$ . American Mineralogist, 2016, 101, 580-586.	0.9	17
38	Color mechanisms in spinel: a multi-analytical investigation of natural crystals with a wide range of coloration. Physics and Chemistry of Minerals, 2019, 46, 343-360.	0.3	17
39	Paleointensity determination on a 1.786Ga old gabbro from Hoting, Central Sweden. Earth and Planetary Science Letters, 2011, 309, 234-248.	1.8	16
40	Chromo-alumino-povondraite, $NaCr_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$ , a new mineral species of the tourmaline supergroup. American Mineralogist, 2014, 99, 1767-1773.	0.9	16
41	Petrogenesis and geotectonic setting of early Svecofennian arc cumulates in the Roslagen area, east-central Sweden. Geological Journal, 2012, 47, 557-593.	0.6	15
42	The role of Fe and cation order in the crystal chemistry of surinamite, $(Mg,Fe^{2+})_3(Al,Fe^{3+})_3O[AlBeSi_3O_{15}]$ : A crystal structure, Mössbauer spectroscopic, and optical spectroscopic study. American Mineralogist, 2002, 87, 501-513.	0.9	14
43	Optical absorption spectroscopy study of the causes for color variations in natural Fe-bearing gahnite: Insights from iron valency and site distribution data. American Mineralogist, 2014, 99, 2187-2195.	0.9	14
44	Minerals in cement chemistry: A single-crystal neutron diffraction study of ettringite, $Ca_6Al_2(SO_4)_3(OH)12 \cdot 2H_2O$ . American Mineralogist, 2019, 104, 73-78.	0.9	14
45	Thermally induced cation redistribution in fluor-elbaite and Fe-bearing tourmalines. Physics and Chemistry of Minerals, 2019, 46, 371-383.	0.3	14
46	The crystal chemistry of welshite, a non-centrosymmetric (P1) aenigmatite-sapphirine-surinamite group mineral. American Mineralogist, 2007, 92, 80-90.	0.9	13
47	Cyprine, $Ca_{19}Cu^{2+}(Al, Mg, Mn)_{12}Si_{18}O_{69}(OH)_9$ , a new vesuvianite-group mineral from the Wessels mine, South Africa. European Journal of Mineralogy, 2017, 29, 295-306.	0.4	13
48	Crystal-chemical relations and classification problems in tourmalines belonging to the oxy-schorlomite-dravite-bosiite-povondraite series. European Journal of Mineralogy, 2017, 29, 445-455.	0.4	13
49	Makarochkinite, $Ca_2Fe_{42}Fe_3TiSi_4BeAlO_{20}$ , a new beryllosilicate member of the aenigmatite-sapphirine-surinamite group from the Il'men Mountains (southern Urals), Russia. American Mineralogist, 2005, 90, 1402-1412.	0.9	12
50	Mineralogical and geochemical evidence for hydrothermal activity at the west wall of 12°50'N core complex (Mid-Atlantic ridge): A new ultramafic-hosted seafloor hydrothermal deposit?. Marine Geology, 2011, 288, 90-102.	0.9	12
51	Experimental cation redistribution in the tourmaline luchesite, $CaFe_2Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$ . Physics and Chemistry of Minerals, 2018, 45, 621-632.	0.3	12
52	Vanadio-oxy-dravite, $NaV_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$ , a new mineral species of the tourmaline supergroup. American Mineralogist, 2014, 99, 218-224.	0.9	11
53	Petrogenetic controls on the origin of tourmalinite veins from Mandrolisai igneous massif (central) Tj ETQq1 1 0.784314 rgBT /Overlook 0.6 11	0.6	11
54	Holtstamite, $Ca_3(Al, Mn^{3+})_2(SiO_4)_3 \cdot x(H_2O)_x$ , a new tetragonal hydrogarnet from Wessels Mine, South Africa. European Journal of Mineralogy, 2005, 17, 375-382.	0.4	10

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55	Titanium incorporation and $\text{VI}^{3+}$ - $\text{IV}^{4+}$ charge transfer in synthetic diopside. <i>American Mineralogist</i> , 2006, 91, 1794-1801.	0.9	10
56	Crystal chemistry of the ulvospinel-qandilite series. <i>American Mineralogist</i> , 2014, 99, 847-851.	0.9	10
57	A nuclear geochemical analysis system for boron quantification using a focused ion beam. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 355-364.	0.7	10
58	An assessment of nuclear microprobe analyses of B in silicate minerals. <i>American Mineralogist</i> , 2003, 88, 1601-1604.	0.9	9
59	An EELS study of near edge structures of the oxygen K-edge in spinels. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 255-265.	0.3	8
60	The crystal field spectra of $\text{Mn}^{3+}$ in chlorite. <i>Gff</i> , 1984, 106, 51-57.	0.4	7
61	Crystal structure and chemistry of skarn-associated bismuthian vesuvianite. <i>American Mineralogist</i> , 2013, 98, 566-573.	0.9	7
62	The electronic structure and absorption spectrum of $\text{MnO}_6$ octahedra in manganian andalusite. <i>Physics and Chemistry of Minerals</i> , 1980, 6, 77-84.	0.3	6
63	Microscope-photometric methods for non-destructive $\text{Fe}^{2+}$ & $\text{Fe}^{3+}$ determination in chloritoids ( $\text{Fe}^{2+}$ ). <i>Tj ETQq1</i> 1.0.784314 rgBT / 0.6	0.6	6
64	Cation ordering in $\text{Pb}^{2+}$ -bearing, $\text{Mn}^{3+}$ -rich pargasite from Langban, Sweden. <i>American Mineralogist</i> , 2012, 97, 1635-1640.	0.9	6
65	Delhuyarite-(Ce) $\text{Ce}_4 \text{Mg}(\text{Fe}^{3+} 2\text{W})_2 (\text{Si}_2 \text{O}_7)_2 \text{O}_6 (\text{OH})_2$ a new mineral of the chevkinite group, from the Nya Bastnäs $\text{Fe}$ - $\text{Cu}$ -REE deposit, Sweden. <i>European Journal of Mineralogy</i> , 2017, 29, 897-905.	0.4	6
66	Crystal-chemical aspects of the româneite group, $\text{A}_2\text{Sb}_2\text{O}_6\text{Y}$ , of the pyrochlore supergroup. <i>Mineralogical Magazine</i> , 2017, 81, 1287-1302.	0.6	6
67	Manganese valency and the colour of the $\text{Mn}_2\text{AsO}_4(\text{OH})$ polymorphs eveite and sarkinite. <i>Mineralogical Magazine</i> , 1998, 62, 113-119.	0.6	5
68	The crystal-chemistry of aenigmatite revisited: electron microprobe data, structure refinement and Mossbauer spectroscopy of aenigmatite from Vesteroya (Norway). <i>European Journal of Mineralogy</i> , 2008, 20, 983-991.	0.4	5
69	H-bonding scheme in allactite: a combined single-crystal X-ray and neutron diffraction, optical absorption spectroscopy, FTIR and EPMA-WDS study. <i>Mineralogical Magazine</i> , 2016, 80, 719-732.	0.6	5
70	Wiklundite, ideally $\text{Pb}_2[\text{Mn}_2\text{Zn}_3(\text{Fe}^{3+}\text{Mn}^{2+})_2\text{Mn}_5]$ a new mineral from Langban, Filipstad, Värmland, Sweden: Description and crystal structure. <i>Mineralogical Magazine</i> , 2017, 81, 841-855.	0.6	5
71	The crystal structure of turneaureite, $\text{Ca}_5(\text{AsO}_4)_3\text{Cl}$ , the arsenate analog of chlorapatite, and its relationships with the arsenate apatites johnbaumite and svabite. <i>American Mineralogist</i> , 2017, 102, 1981-1986.	0.9	5
72	Selected uranium mineralisations in the Arjeplog-Arvidsjaur-Sorsele area. <i>Gff</i> , 1980, 102, 288-290.	0.4	4

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73	IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) NEWSLETTER 46. European Journal of Mineralogy, 2018, 30, 1181-1189.	0.4	4
74	Oxy-foitite, $[(Fe^{2+} Al_2)Al_6(Si_6 O_{18})(BO_3)_3(OH)_3 O]$ , a new mineral species of the tourmaline supergroup. European Journal of Mineralogy, 2017, 29, 889-896.	0.4	3
75	Ulfanderssonite-(Ce), a new Cl-bearing REE silicate mineral species from the MalmkÅrra mine, Norberg, Sweden. European Journal of Mineralogy, 2017, 29, 1015-1026.	0.4	3
76	IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 43. European Journal of Mineralogy, 2018, 30, 647-652.	0.4	3
77	Chromophoric divalent iron in optically anisotropic magnussonite. European Journal of Mineralogy, 1996, 8, 25-34.	0.4	3
78	The crystal structure of svabite, $Ca_5(AsO_4)_3F$ , an arsenate member of the apatite supergroup. American Mineralogist, 2016, 101, 1750-1755.	0.9	2
79	IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 44. European Journal of Mineralogy, 2018, 30, 877-882.	0.4	2
80	Monoclinic chloritoid: Calculations of unit cell volumes and densities in the pseudo-ternary system Fe-Ctd-Mn-Ctd-Mg-Ctd. Lithos, 1982, 15, 249-251.	0.6	1
81	Native Sn <sup>2+</sup> Pb droplets in a zeolitic amygdale (Isle of Mull, Inner Hebrides). Geochimica Et Cosmochimica Acta, 2009, 73, 2907-2919.	1.6	1
82	Mn <sup>3+</sup> -bearing pargasite from the Långban Fe-Mn oxide mineralisation, Bergslagen, Sweden. Gff, 2010, 132, 167-172.	0.4	1
83	Gabrielsonite revisited: crystal-structure determination and redefinition of chemical formula. European Journal of Mineralogy, 2018, 30, 1173-1180.	0.4	1
84	Absorption spectrum of manganian andalusite: Cluster calculation by anab initiomethod. International Journal of Quantum Chemistry, 1980, 18, 1473-1477.	1.0	0
85	A group of papers devoted to the geology of two Paleoproterozoic base metal sulfide and gold mining districts in the Baltic Shield, Sweden; preface. Economic Geology, 1996, 91, 977-978.	1.8	0
86	Gatedalite, $Zr(Mn^{2+})_2 Mn^{3+}_4 SiO_{12}$ , a new mineral species of the braunite group from Långban, Sweden. Mineralogical Magazine, 2015, 79, 625-634.	0.6	0
87	Brattforsite, $Mn_{19}(AsO_3)_{12}Cl_2$ , a new arsenite mineral related to magnussonite, from Brattforsgruvan, Nordmark, Värmland, Sweden. Mineralogy and Petrology, 2021, 115, 595-609.	0.4	0