

Pubblicazioni scientifiche su nuovi minerali identificati grazie al contributo dell'AMI

(in ordine alfabetico per nome specie o gruppo)

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<i>Specie minerale</i>	<i>Formula</i>	<i>Pubblicazione</i>	<i>Link doi</i>
Ambrinoite	$[K_{1.5}(NH_4)_{0.5}]_{S=2}(As_6,Sb_2)_{S=8}S_{13} \cdot H_2O$	Biagioni C., Bonaccorsi E., Pasero M., Moëlo Y., Ciriotti M.E., Bersani D., Callegari A.M., Boiocchi M. (2011): Ambrinoite, $(K,NH_4)_2(As,Sb)_8S_{13} \cdot H_2O$, a new mineral from Upper Susa Valley, Piedmont, Italy: The first natural (K,NH_4) -hydrated sulfosalt. <i>American Mineralogist</i> , 96 , 878-887	//doi.org/10.2138/am.2011.3723
Armellinoite	$Ca_4Ce^{4+}(AsO_4)_4 \cdot H_2O$	Cámara F., Ciriotti M.E., Kolitsch U., Bosi F., Bittarello E., Brizio P., Vignola P., Blaß G. (in corso di stesura)	
Arsenmedaite	$Mn^{2+}_6As^{5+}_5Si_5O_{18}(OH)$	Biagioni, C., Belmonte, D., Carbone, C., Cabella, R., Zaccarini, F., Balestra, C. (2018): Arsenmedaite, $Mn_2+6As_5+Si_5O_{18}(OH)$, the arsenic analogue of medaite, from the Molinello mine, Liguria, Italy: occurrence and crystal structure. <i>European Journal of Mineralogy</i> , 30, (in press).	
Astrophyllite supergroup	$A_{2p}B_rC_7D_2(T_4O_{12})_2IX^O_{D2}X^O_{A4}X^P_{Dn}W_{A2}$	Sokolova E., Cámara F., Hawthorne F.C., Ciriotti M.E. (2017): The astrophyllite supergroup: nomenclature and classification. <i>Mineralogical Magazine</i> , 81 , 143-153	//doi.org/10.1180/minmag.2016.080.077

Balestraitite	$K(Li_2V^{5+})Si_4O_{10}O_2$	Lepore G.O., Bindi L., Zanetti A., Ciriotti M.E., Medenbach O., Bonazzi P. (2015): Balestraitite, $KLi_2VSi_4O_{10}O_2$, the first member of the mica group with octahedral V^{5+} . <i>American Mineralogist</i> , 100 , 608-614	//dx.doi.org/10.2138/am-2015-4972
Bonacinaite	$Sc(AsO_4) \cdot 2H_2O$	Cámara F., Ciriotti M.E., Kolitsch U., Vignola P., Hatert F., Bittarello E., Bracco R., Bortolozzi G.M. (in corso di stesura)	
Bosiite (crystal-chemical relations oxy-schorl – oxy-dravite – bosiiite – povondraite series)	$NaFe^{3+}_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	Bosi F., Cámara F., Ciriotti M.E., Hålenius U., Reznitskii L., Stagno V. (2017): Crystal-chemical relations and classification problems in tourmalines belonging to the oxy-schorl – oxy-dravite – bosiiite – povondraite series. <i>European Journal of Mineralogy</i> , 29 , 445-455	//doi.org/10.1127/ejm/2016/0028-2540
Braccoite	$NaMn^{2+}_5[Si_5As^{5+}O_{17}(OH)](OH)$	Cámara F., Bittarello E., Ciriotti M.E., Nestola F., Radica F., Marchesini M. (2015): As-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: II. Braccoite, $NaMn^{2+}_5[Si_5AsO_{17}(OH)](OH)$, description and crystal structure. <i>Mineralogical Magazine</i> , 79 , 171-189	//doi.org/10.1180/minmag.2015.079.1.14
Canosioite	$Ba_2Fe^{3+}(AsO_4)_2(OH)$	Cámara F., Bittarello E., Ciriotti M.E., Nestola F., Radica F., Massimi F., Balestra C., Bracco R. (2017): As-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: III. Canosioite, $Ba_2Fe^{3+}(AsO_4)_2(OH)$, description and crystal structure. <i>Mineralogical Magazine</i> , 81 , 305-317	//doi.org/10.1180/minmag.2016.080.097

Castellaroite	$\text{Mn}^{2+}_3[\text{AsO}_4]_2 \cdot 4.5\text{H}_2\text{O}$	Kampf A.R., Cámara F., Ciriotti M.E., Nash B.P., Balestra C., Chiappino L. (2016): Castellaroite, $\text{Mn}^{2+}_3[\text{AsO}_4]_2 \cdot 4.5\text{H}_2\text{O}$, a new mineral from Italy related to metaswitzerite. <i>European Journal of Mineralogy</i> , 28 , 687-696	//doi.org/10.1127/ejm/2016/0028-2535
Churchite-(Nd) (discredito)		Ciriotti M.E. (2015): Discreditation of the mineral species churchite-(Nd) and iodine. <i>European Journal of Mineralogy</i> , 27 , 813-819	//doi.org/10.1127/ejm/2015/0027-2480
Ciriottiite	$\text{Cu}(\text{Cu}, \text{Ag})_3\text{Pb}_{19}[(\text{Sb}, \text{As})_{22}(\text{As}-\text{As})]\text{S}_{56}$	Bindi L., Biagioni C., Martini B., Salvetti A. (): Ciriottiite, $\text{Cu}(\text{Cu}, \text{Ag})_3\text{Pb}_{19}(\text{Sb}, \text{As})_{22}(\text{As}_2)\text{S}_{56}$, the Cu-Analogue of Sterryite from the Tavagnasco Mining District, Piedmont, Italy. <i>Minerals</i> , 6 , 8	//doi.org/10.3390/min6010008
Clino-suenoite	$\square\text{Mn}^{2+}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$	Oberti R., Boiocchi M., Hawthorne F.C., Ciriotti M.E., Revheim O., Bracco R. (2018): Clino-suenoite, a newly approved magnesium-iron- manganese amphibole from Valmalenco, Sondrio, Italy. <i>Mineralogical Magazine</i> , 82 , 189-198	//doi.org/10.1180/minmag.2017.081.034
Coquandite	$\text{Sb}^{3+}_{6+x}\text{O}_{8+x}(\text{SO}_4)(\text{OH})_x \cdot \text{H}_2\text{O}_{1-x}$ ($x = 0.3$)	Bindi L., Biagioni C., Ceccantini L., Batoni M., Menchetti S. (2014): Coquandite, $\text{Sb}_{6+x}\text{O}_{8+x}(\text{SO}_4)(\text{OH})_x \cdot \text{H}_2\text{O}_{1-x}$ ($x = 0.3$), from the Cetine mine, Tuscany, Italy: crystal structure and revision of the chemical formula. <i>Mineralogical Magazine</i> , 78 , 871-888	//doi.org/10.1180/minmag.2014.078.4.08
Coralloite	$\text{Mn}^{2+}(\text{H}_2\text{O})_4[\text{Mn}^{3+}_2(\text{OH})_2(\text{AsO}_4)_2]$	Callegari A.M., Boiocchi M., Ciriotti M.E., Balestra C. (2012): Coralloite, $\text{Mn}^{2+}\text{Mn}^{3+}_2(\text{AsO}_4)_2(\text{OH})_2 \cdot 4\text{H}_2\text{O}$, a new mixed valence Mn hydrate arsenate: Crystal structure and	//dx.doi.org/10.2138/am.2012.3878

		relationships with bermanite and whitmoreite mineral groups. <i>American Mineralogist</i> , 97 , 727-734	
Demagistrisite	$(\text{BaCa}_2)\text{Mn}^{3+}_4[\text{Si}_3\text{O}_{10}][\text{Si}_2\text{O}_7](\text{OH})_4 \cdot 3\text{H}_2\text{O}$	Kampf A.R., Cámara F., Nestola F., Ciriotti M.E., Balestra C. (in corso di stesura)	
Dessauite-(Y) ("mohsite")	$\text{Sr}(\text{Y}, \text{U}, \text{Mn})\text{Fe}_2(\text{Ti}, \text{Fe}, \text{Cr}, \text{V})_{18}(\text{O}, \text{OH})_{38}$	Bittarello E., Ciriotti M.E., Costa E., Gallo L.M. (2014): "Mohsite" of Colomba: Identification as Dessauite-(Y). <i>International Journal of Mineralogy</i> , 2014 , ID 287069, 6 pp.	//dx.doi.org/10.1155/2014/287069
Escheite	$\text{Ca}_2\text{Na}_2\text{MnTi}_5[(\text{Si}_6\text{O}_{17})_2\text{O}_5 \cdot 16\text{H}_2\text{O}]$	Cámara F., Nestola F., Ciriotti M.E., Kolitsch U., Blass G., Wartha R. (in corso di stesura)	
Ferriakasakaite-(Ce)	$(\text{CaCe})(\text{Fe}^{3+}\text{AlMn}^{2+})(\text{Si}_2\text{O}_7)(\text{SiO}_4)\text{O}(\text{OH})$	Biagioni C., Balestra C., Pasero M., Ciriotti M.E., Bonazzi P., Zaccarini F. (in corso di stesura)	
Ferro-tschermakite	$\square\text{Ca}_2[\text{Fe}^{2+}_3\text{Al}_2](\text{Si}_6\text{Al}_2)\text{O}_{22}(\text{OH})_2$	Oberti R., Boiocchi M., Hawthorne F.C., Ciriotti M.E. (2018): Ferro-tschermakite from the Ploumanac'h granitic complex, Brittany, France: mineral description. <i>European Journal of Mineralogy</i> , 30 , 171-176	//doi.org/10.1127/ejm/2018/0030-2700
Fluorcalcioroméite	$(\text{Ca}, \#)\text{Sb}_2(\text{O}, \#)_6\text{F}$ (# = unspecified charge-balancing chemical substituent, including vacancies)	Atencio D., Ciriotti M.E., Andrade M.B. (2013): Fluorcalcioroméite, $(\text{Ca}, \text{Na})_2\text{Sb}^{5+}_2(\text{O}, \text{OH})_6\text{F}$, a new roméite-group mineral from Starlera mine, Ferrera, Grischun, Switzerland: description and crystal structure. <i>Mineralogical Magazine</i> , 77 , 467-473	//doi.org/10.1180/minmag.2013.077.4.06
Fluorcarmoite-(BaNa)	$\text{Ba}\square\text{Na}_2\text{Na}_2\square\text{CaMg}_{13}\text{Al}(\text{PO}_4)_{11}(\text{PO}_3\text{OH})\text{F}_2$	Cámara F., Bittarello E., Ciriotti M.E., Nestola F., Bellatreccia F., Massimi F., Radica F., Bracco R.	

		(in corso di stesura)	
Fluoro-richterite (Ti-rich phase study)	$\text{Na}(\text{NaCa})\text{Mg}_5\text{Si}_8\text{O}_{22}\text{F}_2$	Oberti R., Boiocchi M., Hawthorne F.C., Cámara F., Ciriotti M.E., Berge S.A. (2015): Ti-rich fluoro-richterite from Kariåsen (Norway): the oxo-component and use of Ti^{4+} as proxy. <i>Canadian Mineralogist</i> , 53 , 285-294	//doi.org/10.3749/canmin.1400059
Grandaite	$\text{Sr}_2\text{Al}(\text{AsO}_4)_2(\text{OH})$	Cámara F., Ciriotti M.E., Bittarello E., Nestola F., Massimi F., Radica F., Costa E., Benna P., Piccoli G.C. (2014): <i>Mineralogical Magazine</i> , 78 , 757-774	//doi.org/10.1180/minmag.2014.078.3.21
Hydroxyferroroméite	$(\text{Fe}^{2+}_{1.5}\square_{0.5})\text{Sb}^{5+}_2\text{O}_6(\text{OH})$	Mills S.J., Christy A.G., Rumsey M.S., Spratt J., Bittarello E., Favreau G., Ciriotti M.E., Berbain C. (2017): Hydroxyferroroméite, a new secondary weathering mineral from Oms, France. <i>European Journal of Mineralogy</i> , 29 , 307-314	//doi.org/10.1127/ejm/2017/0029-2594
Iodine (discredito)		Ciriotti M.E. (2015): Discreditation of the mineral species churchite-(Nd) and iodine. <i>European Journal of Mineralogy</i> , 27 , 813-819	//doi.org/10.1127/ejm/2015/0027-2480
Jamborite	$\text{Ni}^{2+}_{1-x}\text{Co}^{3+}_x(\text{OH})_{2-x}(\text{SO}_4)_x \cdot n\text{H}_2\text{O}$ [$x \leq 1/3$; $n \leq (1 - x)$]	Bindi L., Christy A.G., Mills S.J., Ciriotti M.E., Bittarello E. (2015): New compositional and structural data validate the status of jamborite. <i>Canadian Mineralogist</i> , 53 , 791-802	//doi.org/10.3749/canmin.1400050
Lavinskyite (-1M polimorfo)	$\text{K}(\text{LiCu})\text{Cu}_6(\text{Si}_4\text{O}_{11})_2(\text{OH})_4$	Kolitsch U., Merlino S., Belmonte D., Carbone C., Cabella R., Lucchetti G., Ciriotti M.E. (2018): Lavinskyite-1M, $\text{K}(\text{LiCu})\text{Cu}_6(\text{Si}_4\text{O}_{11})_2(\text{OH})_4$, the monoclinic MDO equivalent of lavinskyite-2O (formerly lavinskyite), from the Cerchiara	//doi.org/10.1127/ejm/2018/0030-2731

		manganese mine, Liguria, Italy. <i>European Journal of Mineralogy</i> , 30 , (in stampa)	
Lobanovite	$K_2Na(Fe^{2+}_4Mg_2Na)Ti_2(Si_4O_{12})_2O_2(OH)_4$	Sokolova E., Cámara F., Hawthorne F.C., Semenov E.I., Ciriotti M.E. (2017): Lobanovite, $K_2Na(Fe^{2+}_4Mg_2Na)Ti_2(Si_4O_{12})_2O_2(OH)_4$, a new mineral of the astrophyllite supergroup and its relation to <i>magnesioastrophyllite</i> . <i>Mineralogical Magazine</i> , 81 , 175- 181	//doi.org/10.1180/minmag.2016.080.088
Lombardoite	$Ba_2Mn^{3+}(AsO_4)_2(OH)$	Cámara F., Bosi F., Ciriotti M.E., Bittarello E., Hålenius U., Balestra C. (2018): As-bearing new mineral species from Valletta mine IV: Description and crystal structure of lombardoite, $Ba_2Mn^{3+}(AsO_4)_2(OH)$, an polytypism in brackebuschite group minerals. <i>Mineralogical Magazine</i> , 82 , (in stampa)	
Lucchesiite (nuova specie e studi cristallochimici)	$CaFe^{2+}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	Bosi F., Skogby H., Ciriotti M.E., Gadas P., Novák M., Cempírek J., Všianský D., Filip J. (2017): Lucchesiite, $CaFe^{2+}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$, a new mineral species of the tourmaline supergroup. <i>Mineralogical Magazine</i> , 81 , 1- 14; Bosi F., Skogby H., Hålenius U., Ciriotti M.E. (2018): Experimental cation redistribution in the tourmaline lucchesiite, $CaFe^{2+}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$. <i>Chemistry Minerals</i> , 45 , 621-632	//doi.org/10.1180/minmag.2016.080.067 //doi.org/10.1007/s00269-018-0947-0
Lusernaite-(Y)	$Y_4Al(CO_3)_2(OH,F)_{11} \cdot 6H_2O$	Biagioni C., Bonaccorsi E., Cámara F., Cadoni, M., Ciriotti M.E., Bersani D., Kolitsch U. (2013): Lusernaite-(Y), $Y_4Al(CO_3)_2(OH,F)_{11} \cdot 6H_2O$, a new	//dx.doi.org/10.2138/am.2013.4366

		mineral species from Luserna Valley, Piedmont, Italy: Description and crystal structure. <i>American Mineralogist</i> , 98 , 1322-1329	
Magnesiobeltrandoite-2N3S	$Mg_6Al_{20}Fe^{3+}_2O_{38}(OH)_2$	Cámara F., Cossio R., Regis D., Cerantola V., Ciriotti M.E., Compagnoni R. (2018): Beltrandoite, a new root-name in the högbomite supergroup: the Mg end-member magnesiobeltrandoite-2N3S. <i>European Journal of Mineralogy</i> , 30 , (in stampa)	//doi.org/10.1127/ejm/2017/0029-2692
Magnesio-hornblende	$\square Ca_2(Mg_4Al)(Si_7Al)O_{22}(OH)_2$	Oberti R., Boiocchi M., Hawthorne F.C., Ciriotti M.E. (2018): Magnesio-hornblende from Lüderitz (Namibia): mineral description and crystal chemistry. <i>Mineralogical Magazine</i> , 82 , (in stampa)	
Magnesio-riebeckite (crystal structure)	$\square Na_2(Mg_3Fe^{3+}_2)Si_8O_{22}(OH)_2$	Oberti R., Boiocchi M., Hawthorne F.C., Ciriotti M.E. (2017): Magnesio-riebeckite from the Varenche mine (Aosta Valley, Italy): crystal-chemical characterization of a grandfathered end-member. <i>Mineralogical Magazine</i> , 81 , 1431-1437	//doi.org/10.1180/minmag.2017.081.011
Manganiakasakaite-(Ce)	$(CaCe)(Mn^{3+}AlMn^{2+})(Si_2O_7)(SiO_4)O(OH)$	Biagioni C., Ciriotti M.E., Balestra, C., Bracco R., Pasero M., Zaccarini F. (in corso di stesura)	
Manganiakasakaite-(La)	$(CaLa)(Mn^{3+}AlMn^{2+})(Si_2O_7)(SiO_4)O(OH)$	Biagioni C., Ciriotti M.E., Bracco R., Pasero M., Zaccarini F. (in corso di stesura)	
Manganiceladonite	$K(MgMn^{3+}\square)Si_4O_{10}(OH)_2$	Lepore G.O., Bindi L., Bonazzi P., Ciriotti M.E., Di Benedetto F., Mugnaioli E., Viti C., Zanetti A. (2016): A multimethodic approach for the characterization of	//doi.org/10.1180/minmag.2016.080.087

		manganiceladonite, a new member of the celadonite family from Cerchiara mine, Eastern Liguria, Italy. <i>Mineralogical Magazine</i> , 80 , 167-173	
Molinelloite	$\text{Cu}(\text{H}_2\text{O})(\text{OH})\text{V}^{4+}\text{O}(\text{V}^{5+}\text{O}_4)$	Kolitsch U., Lengauer C., Bernhardt H.J., Ciriotti M.E., Fischer R.X., Armellino G. (in corso di stesura)	
Mopungite (crystal structure refinement)	$\text{NaSb}^{5+}(\text{OH})_6$	Bittarello E., Cámara F., Ciriotti M.E., Marengo A. (2015): Ottensite, brizziite and mopungite from Pereta mine (Tuscany, Italy): New occurrences and crystal structure refinement of mopungite. <i>Mineralogy and Petrology</i> , 109 , 431-442	//doi.org/10.1007/s00710-015-0375-5
Paseroite	$\text{PbMn}^{2+}(\text{Mn}^{2+}, \text{Fe}^{2+})_2(\text{V}^{5+}, \text{Ti}, \text{Fe}^{3+}, \square)_{18}\text{O}_{38}$	Mills S.J., Bindi L., Cadoni M., Kampf A.R., Ciriotti M.E., Ferraris G. (2012): Paseroite, $\text{PbMn}^{2+}(\text{Mn}^{2+}, \text{Fe}^{2+})_2(\text{V}^{5+}, \text{Ti}, \text{Fe}^{3+}, \square)_{18}\text{O}_{38}$, a new member of the crichtonite group. <i>European Journal of Mineralogy</i> , 24 , 1061-1067	//doi.org/10.1127/0935-1221/2012/0024-2243
Piccoliite	$\text{CaNaMn}^{3+}_2(\text{AsO}_4)_2\text{O}(\text{OH})$	Cámara F., Biagioni C., Ciriotti M.E., Kolitsch U., Bosi F., Paar W.H., Blass G., Bittarello E. (in corso di stesura)	
Poppiite	$\text{Ca}_2\text{V}^{3+}(\text{V}^{3+}, \text{Al})_2\{[(\text{Si}, \text{Al})\text{O}_4](\text{Si}_2\text{O}_7)\}(\text{O}, \text{OH})_3$	Brigatti M.F., Caprilli E., Marchesini M. (2006): Poppiite, the V^{3+} end-member of the pumpellyite group: Description and crystal structure. <i>American Mineralogist</i> , 91 , 584-588	//dx.doi.org/10.2138/am.2006.2033
Rüdlingerite	$\text{Mn}^{2+}_2(\text{V}^{5+}\text{As}^{5+})\text{O}_7 \cdot 2\text{H}_2\text{O}$	Roth P., Meisser N., Nestola F., Škoda R., Cámara F., Bosi F., Ciriotti M.E., Hålenius U., Schnyder C., Bracco R. (in corso di stesura)	
Saltonseait	$\text{K}_3\text{NaMn}^{2+}\text{Cl}_6$	Kampf A.R., Mills S.J., Nestola F., Ciriotti M.E., Kasatkin, A.V.	//dx.doi.org/10.2138/am.2013.4214

		(2013): Saltonseaité, K ₃ NaMn ²⁺ Cl ₆ , the Mn analogue of rinneite from the Salton Sea, California. <i>American Mineralogist</i> , 98 , 231-235	
Tavagnascoite	Bi ₄ O ₄ (SO ₄)(OH) ₂	Bindi L., Biagioni C., Martini B., Salvetti A., Dalla Fontana G., Taronna M., Ciriotti M.E. (2016): Tavagnascoite, Bi ₄ O ₄ (SO ₄)(OH) ₂ , a new oxyhydroxy bismuth sulfate related to klebelsbergite. <i>Mineralogical Magazine</i> , 80 , 647- 657	//doi.org/10.1180/minmag.2016.080.010
Tubulite	~Ag ₂ Pb ₂₂ Sb ₂₀ S ₅₃	Moëlo Y., Pecorini R., Ciriotti M.E, Meisser N., Caldes M.T., Orlandi P., Petit P.-E., Martini B., Salvetti A. (2014): Tubulite, ~Ag ₂ Pb ₂₂ Sb ₂₀ S ₅₃ , a new Pb–Ag– Sb sulfosalt from Le Rivet quarry, Peyrebrune ore field (Tarn, France) and Biò, Borgofranco mines, Borgofranco d’Ivrea (Piedmont, Italy). <i>European Journal of Mineralogy</i> , 25 , 1017- 1030	//doi.org/10.1127/0935-1221/2013/0025-2334
Wakefieldite-(Y) (new data and crystal structure)	Y(VO ₄)	Cadoni M., Ciriotti M.E., Ferraris G. (2011): Wakefieldite-(Y) from Montaldo di Mondovì (Italy): new data and crystal structure. <i>Rendiconti Lincei Scienze Fisiche e Naturali</i> , 22 , 307-314	//doi.org/10.1007/s12210-011-0134-4
Weissite	Cu _{2-x} Te (x ≈ 0.21)	Bindi L., Carbone C., Belmonte D., Cabella R., Bracco R. (2013): Weissite from Gambatesa mine, Val Graveglia, Liguria, Italy: occurrence, composition and determination of the crystal structure. <i>Mineralogical Magazine</i> , 77 , 475-483	//doi.org/10.1180/minmag.2013.077.4.07