

Partial list of scientific publications relating to synthesized minerals

Bloise A, Kusiorowski R, Lassinantti Gualtieri M and Gualtieri A F (2017). Thermal behaviour of mineral fibres. A.F. Gualtieri, Editor, In: Mineral Fibres: Crystal Chemistry, Chemical-physical Properties, Biological Interaction and Toxicity. EMU Notes in Mineralogy, Vol. 18, European Mineralogical Union, Mineralogical Society of Great Britain & Ireland, London, pp 215-260.

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Catalano M, Bloise A, Pingitore V, Cazzanelli E, Giarola M, Mariotto G, Barrese E (2015). Synthesis and characterization of Zn-doped enstatite. Applied Physics A, Materials Science & Processing, Vol. 120, p. 175-182.

Catalano, M., Bloise, A., Pingitore, V., Cazzanelli, E., Giarola, M., Mariotto, G., Barrese, E (2014). Effect of Mn doping on the growth and properties of enstatite single crystals. Crystal Research and Technology, Vol. 49, 9, 736-742.

Catalano, M., Belluso, E., Miriello, D., Barrese, E., Bloise, A. (2014) Synthesis of Zn-doped talc in hydrothermal atmosphere. Crystal Research and Technology, Vol. 49, 5, 283-289.

Bloise A., Belluso E., Catalano M., Barrese E., Miriello D., Apollaro C. (2012). Hydrothermal Alteration of Glass to Chrysotile. Journal of the American Ceramic Society, Vol. 95, p. 3050-3055.

Bloise A., Pingitore V., Miriello D., Apollaro C., Armentano D., Barrese E., Oliva A. (2011) Flux Growth and Characterization of Ti- and Ni- doped Enstatite Single Crystals. Journal of Crystal Growth, Vol. 329, n. 1, p. 86-91.

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Bloise A., Barrese E. Synthesis of isomorphic vonsenite-ludwigite series. Neues Jahrbuch für Mineralogie - Abhandlungen, 2009, Vol. 186, n. 3, p. 345-350.

Bloise A., Belluso E., Barrese E., Miriello D., Apollaro C. Synthesis of Fe-doped chrysotile and characterization of the resulting chrysotile fibers. Crystal Research and Technology, 2009, Vol. 44, n. 6, p. 590-596.

Bloise A., Barrese E., Apollaro C. Hydrothermal alteration of Ti-doped forsterite to chrysotile and characterization of the resulting chrysotile fibers. Neues Jahrbuch für Mineralogie - Abhandlungen, 2009, Vol. 185, n. 3, p. 297-304.

Bloise A., Barrese E., Apollaro C., Miriello D. Flux growth and characterization of Ti-doped and Ni-doped forsterite single crystals. Crystal Research and Technology, 2009, Vol. 44, n. 5, p. 463-468.

Cadoni M., Bloise A., Ferraris G., Merlino S. Order-disorder character and twinning in the structure of a new synthetic titanosilicate: $(\text{Ba,Sr})_4\text{Ti}_6\text{Si}_4\text{O}_{24}\cdot\text{H}_2\text{O}$. *Acta Crystallographica Section B Structural Science*, 2008, Vol. 64, n. 6, p. 669-675.

Bloise A., Fornero E., Barrese E., Belluso E., Rinaudo C. Synthesis and characterization of tremolite asbestos fibres. *European Journal of Mineralogy*, 2008, Vol. 20, n. 6, p. 1027-1033.

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Barrese, E., Belluso, E. & Abbona, F. (1997): On the transformation of synthetic diopside into chrysotile. *European Journal of Mineralogy*, Vol. 9, 83–87.