

COVER LETTER

Dr. Gavryushkin Pavel N.

Sobolev Institute of geology and mineralogy
Siberian Branch of Russian Academy of Sciences
Pr. ac. Koptyuga, 3
630090 Novosibirsk, Russia

Fax: 7-383-333-2600

E-mail: p.gavryushkin@g.nsu.ru

**To the editor
of
Crystal Growth & Design Journal**

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Manuscript revision

**“The formation of Mg-orthocarbonate through the reaction $\text{MgCO}_3 + \text{MgO} = \text{Mg}_2\text{CO}_4$
at Earth’s lower mantle P–T conditions”**

To the editor of Journal of Crystal Growth & Design Journal,

In the revised version of the manuscript, all the reviewers suggestion have been taken into account. The sections on calculation of Raman spectra and electron density distribution have been added.

With best regards,

Pavel N. Gavryushkin on behalf of all co-authors