Supporting Information (SI) for:

New Alkali-Metal Gallium Selenites, $AGa(SeO_3)_2$ (A = Li, Na, K, and Cs): Effect of Cation Size on the Framework Structures and the Macroscopic Centricities

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S1. Experimental and calculated powder X-ray diffraction patterns for $LiGa(SeO_3)_2$
S2. Experimental and calculated powder X-ray diffraction patterns for $NaGa(SeO_3)_2$
S3. Experimental and calculated powder X-ray diffraction patterns for $KGa(SeO_3)_2$
S4. Experimental and calculated powder X-ray diffraction patterns for $CsGa(SeO_3)_2$
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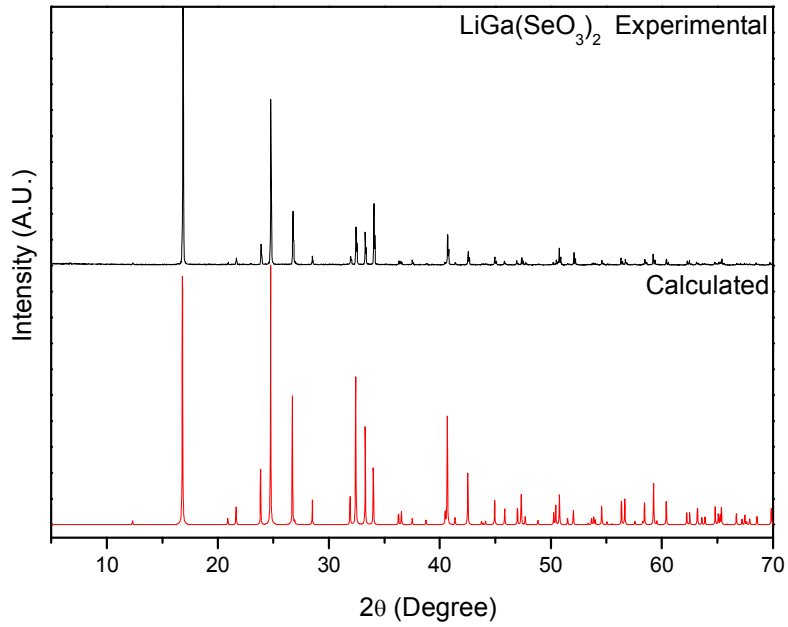
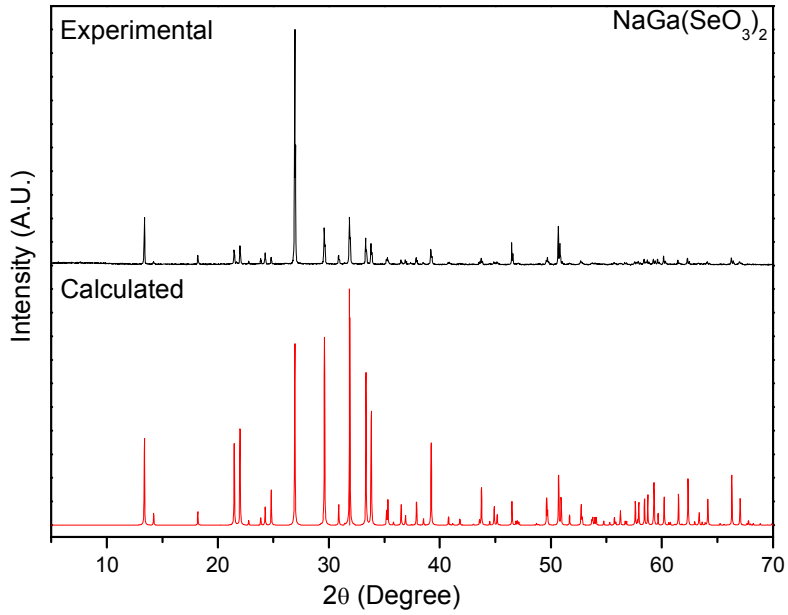
S13. Phase matching curve (type 1) for $LiGa(SeO_3)_2$. The curve is to guide the eye and is not a fit to the data.

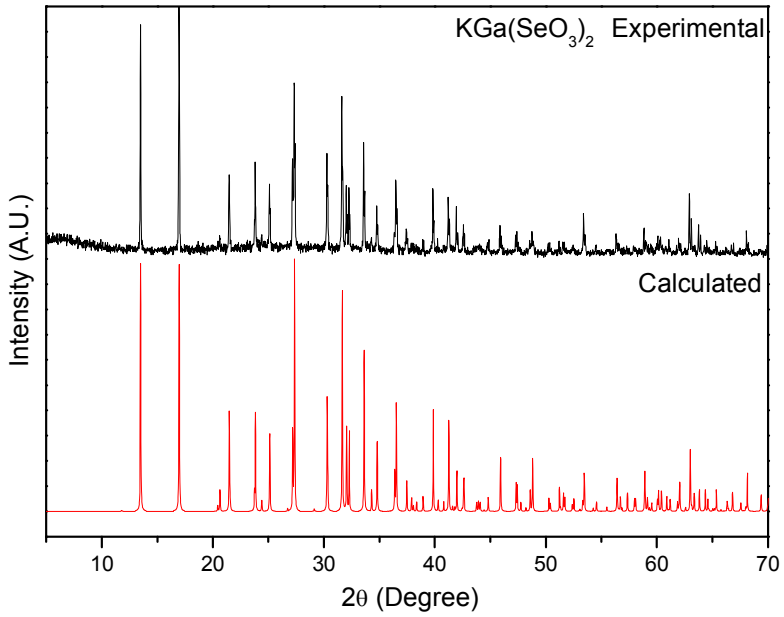
S1. Experimental and calculated powder X-ray diffraction patterns for $LiGa(SeO_3)_2$



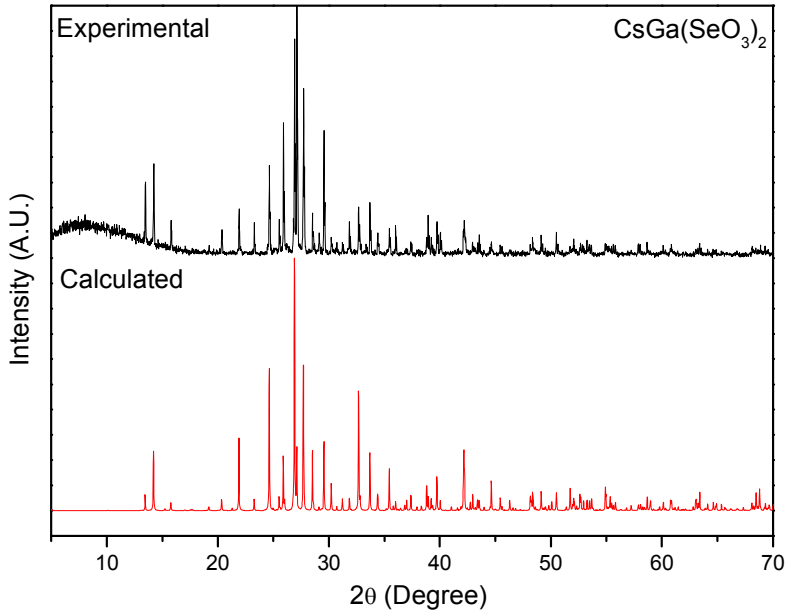
S2. Experimental and calculated powder X-ray diffraction patterns for $NaGa(SeO_3)_2$



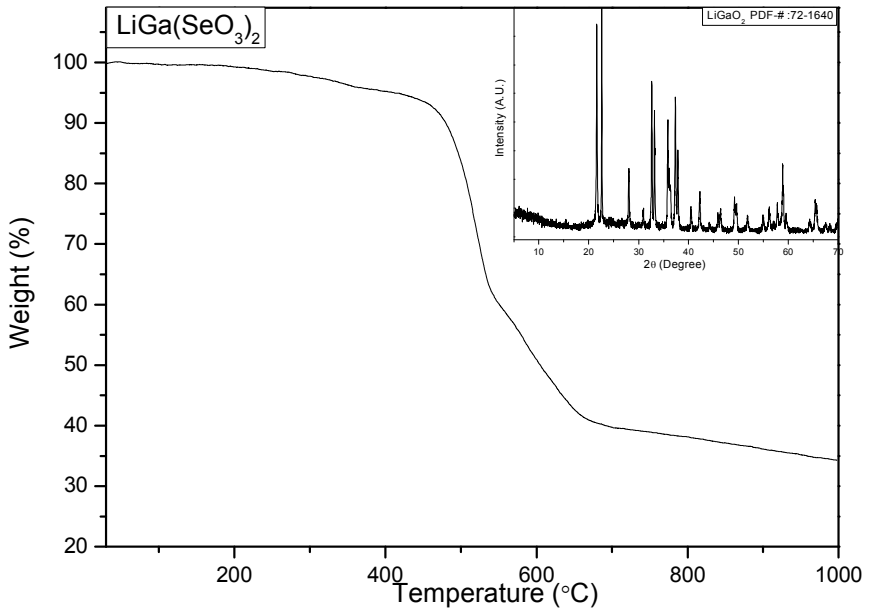
S3. Experimental and calculated powder X-ray diffraction patterns for $KGa(SeO_3)_2$



S4. Experimental and calculated powder X-ray diffraction patterns for $CsGa(SeO_3)_2$

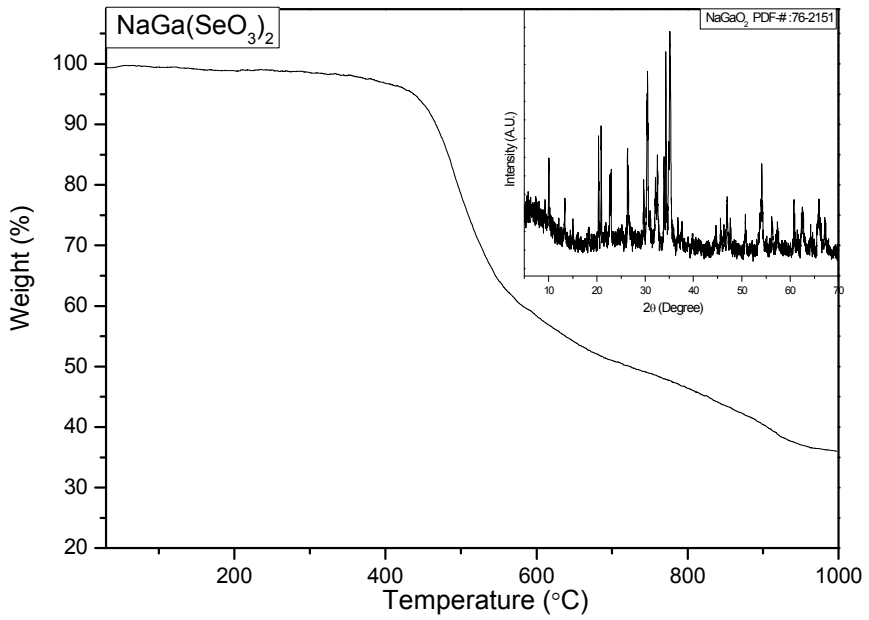


S5. Thermogravimetric analysis diagram for $LiGa(SeO_3)_2$



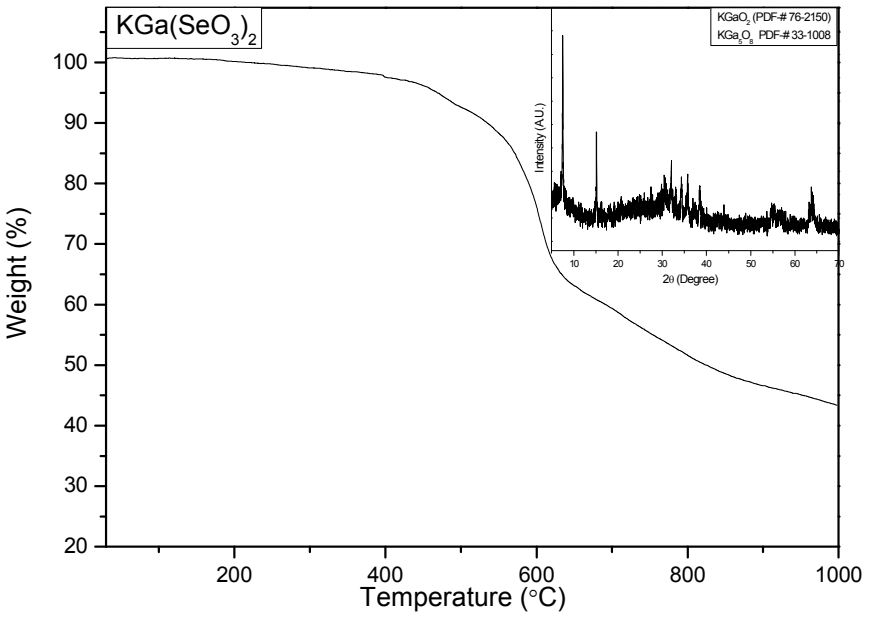
Inset: PXRD – $LiGaO_2$ (PDF#72-1640)

S6. Thermogravimetric analysis diagram for $NaGa(SeO_3)_2$



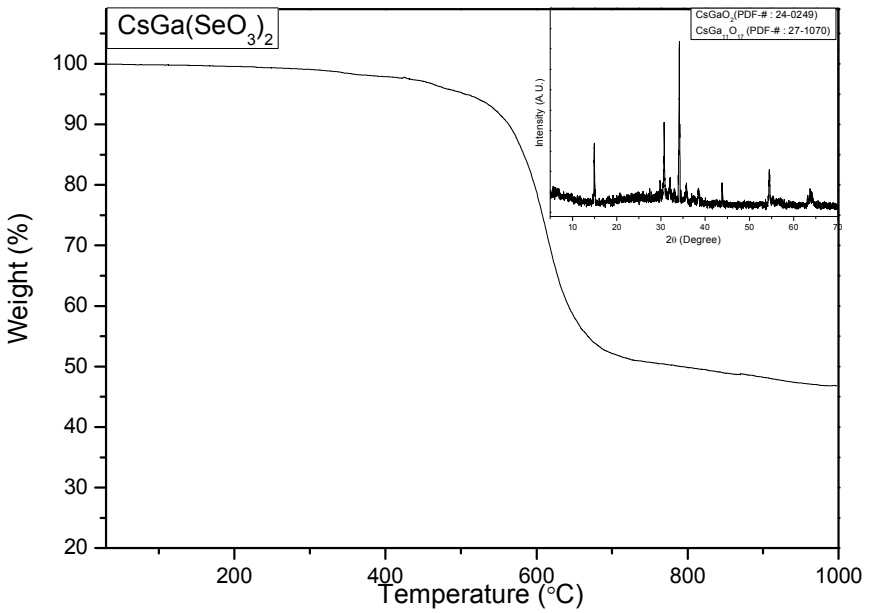
Inset: PXRD – $NaGaO_2$ (PDF#76-2151)

S7. Thermogravimetric analysis diagram for $KGa(SeO_3)_2$



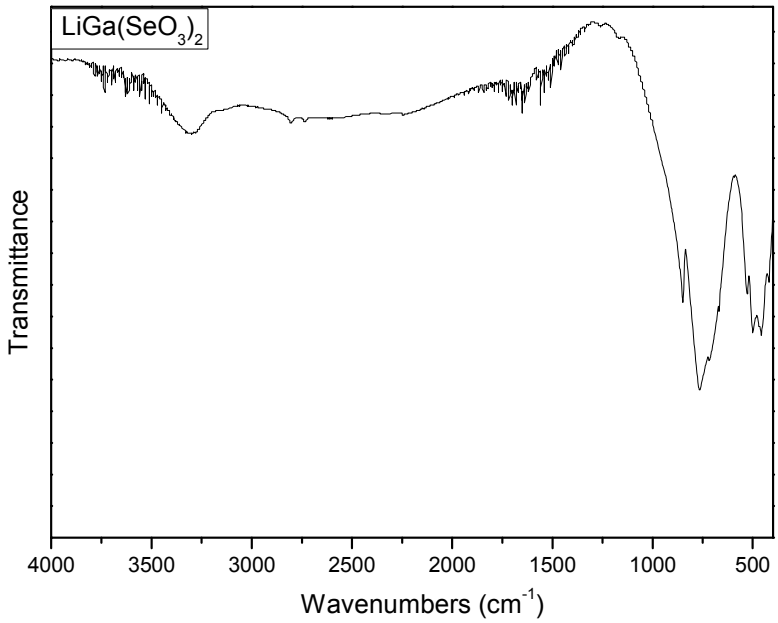
Inset: PXRD – $KGaO_2$ (PDF#76-2150) + KGa_5O_8 (PDF#33-1008)

S8. Thermogravimetric analysis diagram for $CsGa(SeO_3)_2$

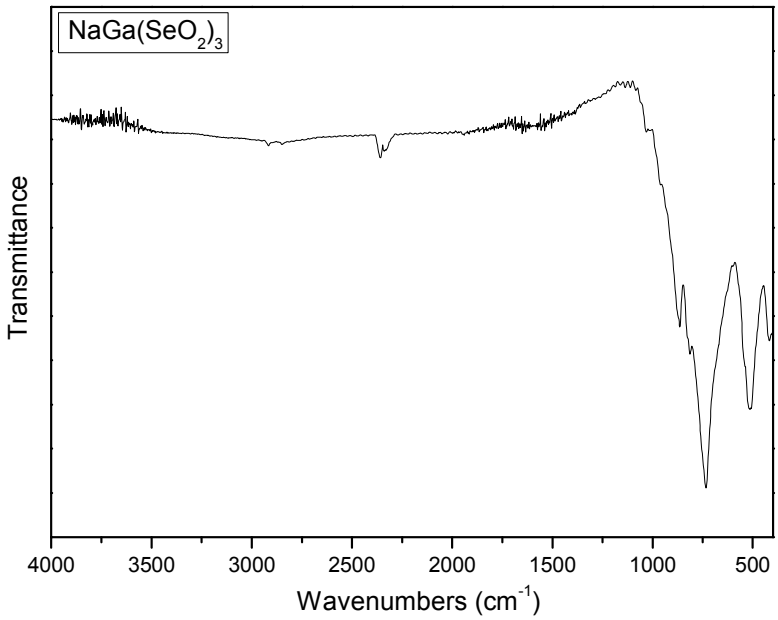


Inset: PXRD – $CsGaO_2$ (PDF#24-0249) + $CsGa_{11}O_{17}$ (PDF#27-1070)

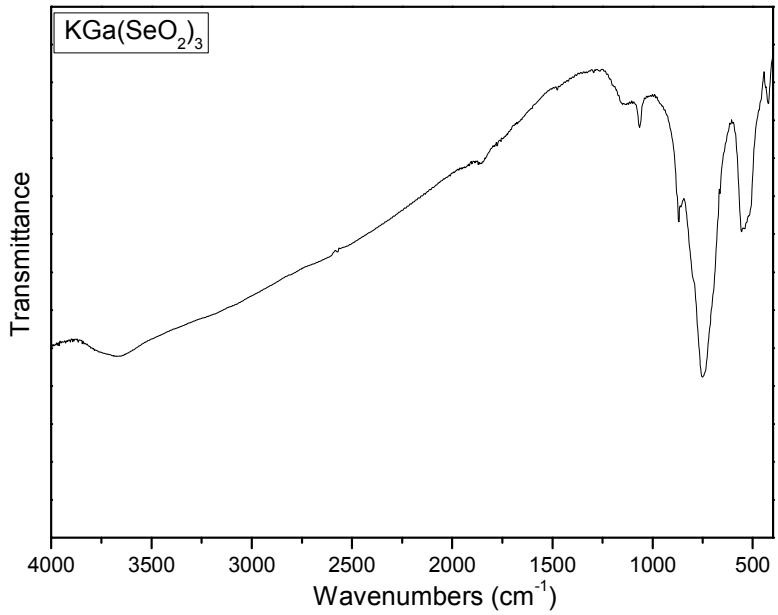
S9. IR spectrum for $LiGa(SeO_3)_2$



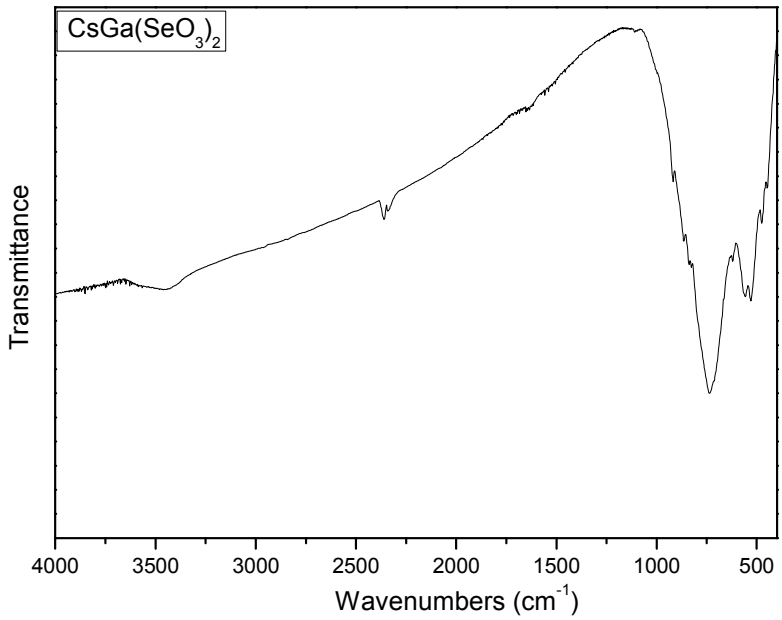
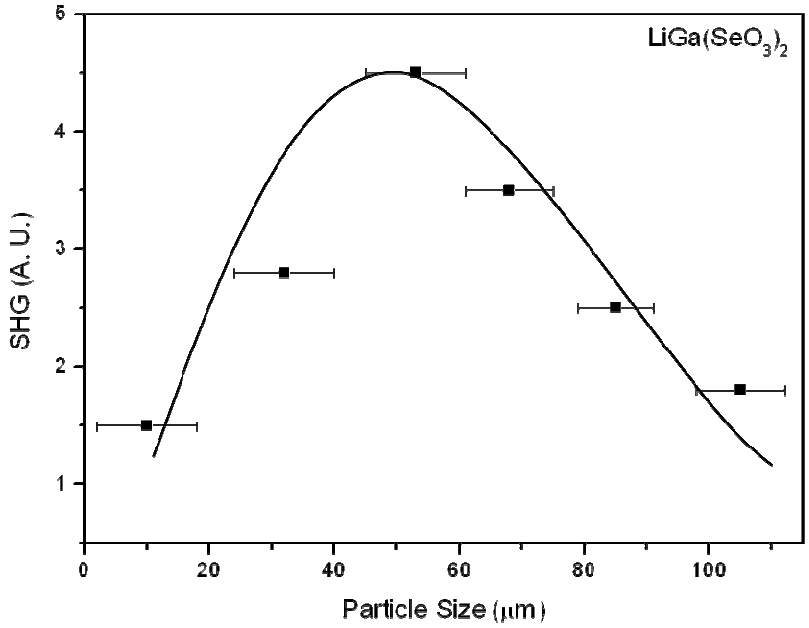
S10. IR spectrum for $NaGa(SeO_3)_2$



S11. IR spectrum for $KGa(SeO_3)_2$



S12. IR spectrum for $CsGa(SeO_3)_2$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