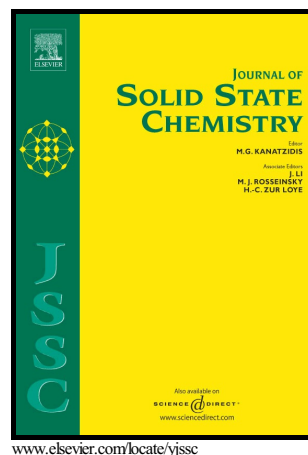


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Four two-dimensional ternary selenides based on group 13 and 14 metals: Syntheses, crystal structures, and electrochemical properties

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Abstract

A series of two-dimensional ternary selenides, $[\text{NH}_4]_2[\text{Ga}_2\text{Sn}_2\text{Se}_8]$ (1), $[\text{NH}_4]_2[\text{In}_2\text{Ge}_2\text{Se}_8]$ (2), $[\text{NH}_4]_2[\text{In}_2\text{Sn}_2\text{Se}_8]$ (3), $[\text{NH}_4]_2[\text{Ga}_2\text{Ge}_2\text{Se}_8]$ (4), have been solvothermally synthesized and characterized by single crystal X-ray diffraction, energy

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