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Correlational study of halogen tuning effect in hybrid perovskite single crystals with Raman scattering, X-ray diffraction, and absorption spectroscopy

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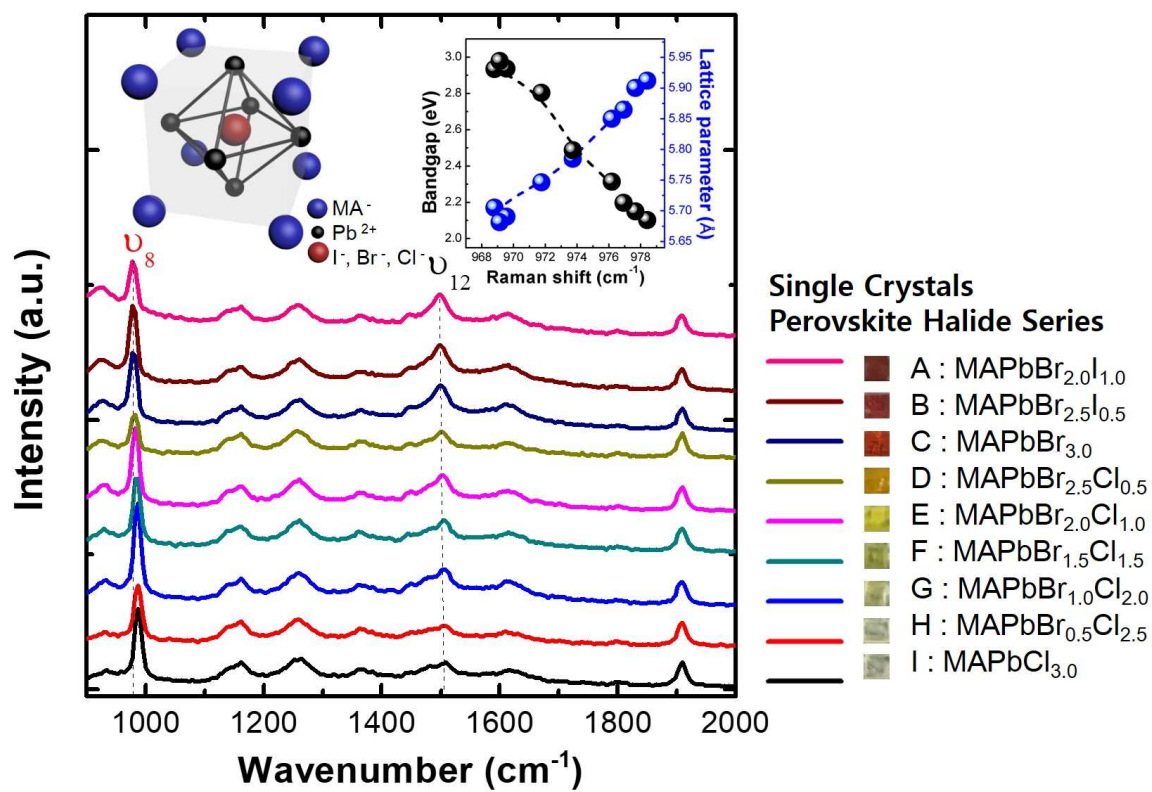
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