

## Publications: 12.2.2 at ALS

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- (5) Fan, W., X.i. Zhu, Feng Ke, Yabin Chen, Kaichen Dong, J. Ji, B. Chen, Sefaattin Tongay, Joel W. Ager, K. Liu, Haibin Su, and Junqiao Wu, "Vibrational spectrum renormalization by enforced coupling across the van der Waals gap between MoS<sub>2</sub> and WS<sub>2</sub> monolayers," *Physical Review B: Condensed Matter and Materials Physics* 92(24), 241408 (2015). (doi:10.1103/PhysRevB.92.241408) 12.2.2
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- (8) Hong, Fang, Binbin Yue, Zhenxiang Chen, Martin Kunz, B. Chen, and Ho-Kwang Mao, "High pressure polymorphs and amorphization of upconversion host material NaY(WO<sub>4</sub>)<sub>2</sub>," *Applied Physics Letters* 109, 041907 (July 29 2016). (doi:10.1063/1.4960104) 12.2.2
- (9) Jaffe, A., Y.u. Lin, C.M. Beavers, Johannes Voss, Wendy L. Mao, and H.I. Karunadasa, "High-Pressure Single-Crystal Structures of 3D Lead-Halide Hybrid Perovskites and Pressure Effects on their Electronic and Optical Properties," *ACS Central Science* 2(4), 201-209 (2016). (doi:10.1021/acscentsci.6b00055) 11.3.1,12.2.2
- (10) Lech, Andrew T., Christophe Turner, Jialin Lei, Reza Mohammadi, Sarah H. Tolbert, and Richard B. Kaner, "Superhard Rhenium/Tungsten Diboride Solid Solutions," *Journal of the American Chemical Society* 138(43), 14398-1440 (2016). (doi:10.1021/jacs.6b08616) 12.2.2
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#### **Publications: IXS at Extreme Pressure and Temperature at 3-ID at APS**

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### Publications: PX<sup>2</sup> at APS

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### Publications: COMPTECH at APS

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2. Zhang, J. S. and J. D. Bass (2016), "High-pressure single crystal elasticity of natural Fe-bearing orthoenstatite across a high-pressure phase transition" *Geophysical Research Letters* DOI 10.1002/2016GL069963
3. Zhang, J. S. and J. D. Bass (2016), Sound Velocities of Olivine at High Pressures and Temperatures and the Composition of Earth's upper mantle *Geophysical Research Letters* DOI 10.1002/2016GL069949
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## **Publications: Gas Loading at APS**

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