

Ram Seshadri: Publications and Patents

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In press, or submitted:

M. A. Wright, E. Moya, S. Browne, A. Bologna, K. Brockmeyer, A. Reach, and R. Seshadri, Na-ion cathodes in minutes: Microwave synthesis across the Na–Mn–Fe–Ni–Cu–O composition space.

M. A. Wright, S. Browne, E. Moya, A. R. Reach, A. Sebastian, A. Abulajiang, R. Yin, J. Cesareo, J. Li, A. Tarin, S. H. Tolbert, B. C. Melot, A. Van der Ven, and R. Seshadri, Rapid and phase-selective routes to layered Na-ion cathodes, *Chem. Mater.* [DOI: 10.1021/acs.chemmater.6c01282]

A. Au II, A. Balvanz, H. Tian, G. Joalland, J. Hu, Jerry; A. K. Cheetham, G. Volonakis, R. Seshadri, and M. G. Kanatzidis, Mapping and controlling 0D to 2D polymorphism and bandgap bowing in the perovskite-related halides $\text{Cs}_3\text{Bi}_{2-x}\text{Sb}_x\text{I}_9$, *J. Am. Chem. Soc.* [DOI: 10.1021/jacs.6c08526]

Appeared:

455. A. Reach, M. Wright, A. Mulligan, Z. Fang, K.-T. Tseng, C. Wang, J. Hu, M. Chi, A. K. Cheetham, R. Seshadri, and J. Sakamoto, Enhanced sodium dynamics in biphasic NaSICON solid electrolytes, *Chem. Mater.* **38** (2026) 5356–5368. [DOI: 10.1021/acs.chemmater.5c03070]

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411. L. Kautzsch, B. R. Ortiz, K. Mallayya, J. Plumb, G. Pokharel, J. P. C. Ruff, Z. Islam, E.-A. Kim, R. Seshadri, and S. D. Wilson, Structural evolution of the kagome superconductors AV₃Sb₅ (A = K, Rb, and Cs) through charge density wave order, *Phys. Rev. Mater.* **7** (2023) 024806(1–8). [DOI: 10.1103/PhysRevMaterials.7.024806] & [UC-eScholarship]
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