

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, *ACS Appl. Energy Mater.*

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:

456. 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.* **38** (2026) 8476–8488. [DOI: 10.1021/acs.chemmater.6c01282]
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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453. H. Tian, T. Li, A. Mulligan, J. Tregidga, M. Wright, A. Zohar, A. Chezhiyan, M. Preefer, K. Stone, J. Hu, G. Wu, A. Manjón-Sanz, S. Lapidus, J. Harter, A. K. Cheetham, and R. Seshadri, Structural propensities in Cs_2MBiX_6 ($M = \text{Na, Ag}$; $X = \text{Cl, Br}$) bismuth halide double perovskites. *Chem. Mater.* **38** (2026) 3350–3360 [DOI: 10.1021/acs.chemmater.5c03072]
452. A. Watkins, A. K. Cheetham, and R. Seshadri, Metallic oxides and the overlooked role of bandwidth, *Chem. Mater.* **38** (2026) 1551–1565. [DOI: 10.1021/acs.chemmater.5c02578]
451. K. Brockmeyer, A. Bologna, M. Wright, J. Wong, C. Rodriguez, T. Li, R. A. Segalman, and R. Seshadri, Direct microwave pyrolysis of cellulose to hard carbon anodes for sodium-ion batteries, *Chem. Mater.* **38** (2026) 1377–1384. [DOI: 10.1021/acs.chemmater.5c02824]
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