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### In preparation

N. C. George, J. M. Carvalho, A. Birkel, and R. Seshadri, Understanding the magic behind fluoride fluxes for solid state chemistry.

N. C. George, A. Pell, A. Jaffe, G. Dantelle, A. Llobet, G. Pintacuda, B. F. Chmelka, R. Seshadri, Structure-property relations of the  $\text{CaSc}_2\text{O}_4\text{:Ce}^{3+}$  phosphor.

N. C. George, A. Birkel, B.-C. Hong, A. A. Mikhailovsky, and R. Seshadri, Red-shifting emission of  $\text{La}_{3-x}\text{Ce}_x\text{Si}_6\text{N}_{11}$  with Al substitution.

### In press, or submitted

A. Knappschneider, C. Litterscheid, N. C. George, J. Brgoch, N. Wagner, J. Beck, J. A. Kurzman, R. Seshadri, B. Albert, Peierls-distorted monoclinic  $\text{MnB}_4$  with a Mn-Mn bond.

J. Neilson, N. C. George, M. Murr, R. Seshadri, and D. Morse, Mesosstructure from hydration gradients in demosponge biosilica.

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26. N. C. George, A. Birkel, J. Brgoch, B.-C. Hong, K. Uheda, A. A. Mikhailovsky, K. Page, A. Llobet, and R. Seshadri, Average and local structural origins of the optical properties of the nitride phosphor  $\text{La}_{3-x}\text{Ce}_x\text{Si}_6\text{N}_{11}$  ( $0 < x \leq 3$ ), *Inorg. Chem.* **52** (2013) 13730-13740. [[doi](#)]
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