

**Publications, Prof. Dr. Anja-Verena Mudring**

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**Peer-reviewed original articles**

**2018**

**199.** V. Smetana, Y. Mudryk, V. K. Pecharsky, **A.-V. Mudring**, Controlling Magnetism via Transition Metal Exchange in the Series of Intermetallics  $\text{Eu}(T1,T2)_5\text{In}$  ( $T = \text{Cu}, \text{Ag}, \text{Au}$ ), *J. Mat. Chem. C* **2017**, online. DOI: 10.1039/C7TC04964A.

**198.** C. Celania, V. Smetana, A. Provino, P. Manfrinetti, **A.-V. Mudring**,  $R_{14}(\text{Au}, M)_{51}$  ( $R = \text{Y}, \text{La-Nd}, \text{Sm-Tb}, \text{Ho}, \text{Er}, \text{Yb}, \text{Lu}; M = \text{Al}, \text{Ga}, \text{Ge}, \text{In}, \text{Sn}, \text{Sb}, \text{Bi}$ ): Stability Ranges and Site Preference in the  $\text{Gd}_{14}\text{Ag}_{51}$  Structure Type, *Cryst. Growth & Des.* **2018**, *18*, xx-xx (awaiting page numbers). DOI: 10.1021/acs.cgd.7b01469

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**196.** C. Celania, V. Smetana, **A.-V. Mudring**, Bringing Order to Large Scale Disordered Complex Metal Alloys:  $\text{Gd}_2\text{Au}_{15-x}\text{Sb}_x$  and  $\text{BaAu}_x\text{Ga}_{12-x}$ , *CrystEngComm* **2018**, *20*, 348-355. DOI: 10.1039/C7CE01865G.

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**178.** V. Smetana, S. Steinberg, **A.-V. Mudring**, Layered Structures and Disordered Polyanionic Nets in the Cation-Poor Polar Intermetallics CsAu<sub>1.4</sub>Ga<sub>2.8</sub> and CsAu<sub>2</sub>Ga<sub>2.6</sub>, *Crystal Growth & Des.* **2017**, 17, 693-700. DOI: 10.1021/acs.cgd.6b01536.

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## **Patents and Patent Applications**

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