

List of Publications 2019

- [1] Ashish Arora, Maciej Koperski, Artur Slobodeniuk, Karol Nogajewski, Robert Schmidt, Robert Schneider, Maciej R. Molas, Steffen Michaelis de Vasconcellos, Rudolf Bratschitsch, and Marek Potemski, “Zeeman spectroscopy of excitons and hybridization of electronic states in few-layer WSe₂, MoSe₂ and MoTe₂,” *2D Materials* **6**, 015010 (2019).
- [2] Flavia Artizzu, Matteo Atzori, Jing Liu, Dimitrije Mara, Kristof Van Hecke, and Rik Van Deun, “Solution-processable Yb/Er 2D-layered metallorganic frameworks with high NIR-emission quantum yields,” *J. Mater. Chem. C* **7**, 11207–11214 (2019).
- [3] Matteo Atzori, Ivan Breslavetz, Kévin Paillot, Katsuya Inoue, Geert L.J.A. Rikken, and Cyrille Train, “A Chiral Prussian Blue Analogue Pushes Magneto-Chiral Dichroism Limits,” *Journal of the American Chemical Society* (2019), 10.1021/jacs.9b10970, pMID: 31800226.
- [4] Matteo Atzori and Roberta Sessoli, “The Second Quantum Revolution: Role and Challenges of Molecular Chemistry,” *J. Am. Chem. Soc.* **141**, 11339–11352 (2019).
- [5] Michal Baranowski, Krzysztof Galkowski, Alessandro Surrente, Joanna Urban, Lukasz Klopotoski, Sebastian Mackowski, Duncan Kennedy Maude, Rim Ben Aich, Kais Boujdaria, Maria Chamarro, Christophe Testelin, Pabitra K. Nayak, Markus Dollmann, Henry James Snaith, Robin John Nicholas, and Paulina Plochocka, “Giant Fine Structure Splitting of the Bright Exciton in a Bulk MAPbBr₃ Single Crystal,” *Nano Letters* **19**, 7054–7061 (2019).
- [6] Michal Baranowski, Szymon J. Zelewski, Mikael Kepenekian, Boubacar Traoré, Joanna M. Urban, Alessandro Surrente, Krzysztof Galkowski, Duncan K. Maude, Agnieszka Kuc, Edward P. Booker, Robert Kudrawiec, Samuel D. Stranks, and Paulina Plochocka, “Phase-Transition-Induced Carrier Mass Enhancement in 2D Ruddlesden-Popper Perovskites,” *ACS Energy Letters* **4**, 2386–2392 (2019).
- [7] Hamdi Barkaoui, Haitham Abid, Szymon Zelewski, Joanna Urban, Michal Baranowski, Adnen Mlayah, Smail Triki, Paulina Plochocka, and Younes Abid, “Negative Thermal Quenching of Efficient White-Light Emission in a 1D Ladder-Like Organic/Inorganic Hybrid Material,” *Advanced Optical Materials* **7**, 1900763 (2019).
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- [9] J. Binder, J. Howarth, F. Withers, M. R. Molas, T. Taniguchi, K. Watanabe, C. Faugeras, A. Wyszomolek, M. Danovich, V. I. Fal’ko, A. K. Geim, K. S. Novoselov, M. Potemski, and A. Kozikov, “Upconverted electroluminescence via Auger scattering of interlayer excitons in van der Waals heterostructures,” *Nature Communications* **10**, 2335 (2019).
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