

## Full Publication List

103. Cai, H.; Srinivasan, S.; Czaplewski, D.; Martinson, A. B. F.; Gosztola, D.; Stan, L.; Loeffler, T.; Sankaranarayanan, S. K. R. S.; Lopez, D. "Inverse design of metasurfaces with non-local interactions" *npj Comput Mater* **2020**, 6, 116. (<https://doi.org/10.1038/s41524-020-00369-5>)
102. Ma, X.; Li, C.; Martinson, A. B. F.; Voth, G. A. "Water Assisted Proton Transport in Confined Nanochannels" *J. Phys. Chem. C* **2020**, 124, 29, 16186-16201. (<https://doi.org/10.1021/acs.jpcc.0c04493>)
101. Tiede, D. M.; Kwon, G.; He, X.; Mulfort, K. L.; Martinson, A. B. F. "Characterizing Electronic and Atomic Structures for Amorphous and Molecular Metal Oxide Catalysts at Functional Interfaces by Combining Soft X-ray Spectroscopy and High-Energy X-ray Scattering" *Nanoscale* **2020**, 12, 13276-13296. (<https://doi.org/10.1039/D0NR02350G>)
100. Noh, H.; Jeon, N.; Martinson, A. B. F.; Hupp, J. T. "Stabilization of Low Valent Zirconium Nitrides in Titanium Nitride via Plasma-Enhanced Atomic Layer Deposition and Assessment of Electrochemical Properties" *ACS Appl. Energy Mater.* **2020**, 3, 5095-5100. (<https://doi.org/10.1021/acsaem.0c00428>)
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97. Kim, I. S.; Ahn, S.; Vermeulen, N. A.; Webber, T. E.; Gallington, L. C.; Chapman, K. W.; Penn, R. L.; Hupp, J. T.; Farha, O. K.; Notestein, J. M.; Martinson, A. B. F. "The Synthesis Science of Targeted Vapor-Phase Metal–Organic Framework Post-Modification" *J. Am. Chem. Soc.* **2020**, 142, 242-250. (<https://doi.org/10.1021/jacs.9b10034>)
96. Bukola, S.; Cao, D.; Martinson, A. B. F.; Creager, S. "ALD Alumina Effects on Proton Transmission through Single-Layer Graphene in Electrochemical Hydrogen Pump Cells" **2020**, 3, 2, 1364-1372. (<https://doi.org/10.1021/acsaem.9b01775>)
95. Mannodi-Kanakkithodi, A.; Park, J.; Martinson, A. B. F.; Chan, M. K. Y. "Defect Energetics in Pseudo-Cubic Mixed Halide Lead Perovskites from First-Principles" *J. Phys. Chem. C* **2020** ASAP. (<https://doi.org/10.1021/acs.jpcc.0c02486>)
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