

Journal Publications:

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- Tarudji, A. W., C. C. Gee, H. A. Miller, E. T. Curtis, A. M. Priester, A. J. Convertine, F. M. Kievit. Antioxidant Theranostic Copolymer-Mediated Reduction in Oxidative Stress Following Traumatic Brain Injury Improves Outcome in a Mouse Model. *Adv. Ther.* 6(12):2300147, 2023. doi: 10.1002/adtp.202300147.
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- Adam Erickson, Syed Qamar Abbas Shah, Ather Mahmood, Pratyush Buragohain, Ilya Fescenko, Alexei Gruverman, Christian Binek, Abdelghani Laraoui. Imaging Local Effects of Voltage and Boron Doping on Spin Reversal in Antiferromagnetic Magnetoelectric Cr₂O₃ Thin Films and Devices, *Advanced Functional Materials* 2408542, 2024, DOI: <https://doi.org/10.1002/adfm.202408542>.
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- Mark Anderson, Graham Kaufman, Aaron Ediger, Dennis Alexander, Craig Zuhlke, Jeffrey E Shield, "Formation mechanism of micro/nanoscale structures on picosecond laser pulse processed copper", *Materials Today Advances*, Vol. 19, <https://doi.org/10.1016/j.mtadv.2023.100412>

Conference Proceedings:

- Wen Qian, Maxwyll McConnell, Jazmin Ley, Luke Schwaninger, Joseph A. Turner, "Additively Manufactured Nickel Aluminum Bronze via Laser Powder Bed Fusion Shows Excellent Anticorrosion", *Microscopy and microanalysis*, Vol. 30

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- Graham Kaufman, Ahmed El-Harairy, Suchit Sarin, Siamak Nejati, Jeffrey E Shield, Craig Zuhlke, “Functionalization of copper for enhanced electrocatalytic reduction of carbon dioxide via ultrashort pulse laser surface processing”, *Proc. SPIE 12873, Laser-based Micro- and Nanoprocessing XVIII*, 128730O, <https://doi.org/10.1117/12.3000983>
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