Published papers using solid-state NMR at UMD_Fu Chen (updated on Feb 28, 2022):

Submitted/Under review-revision/In preparation

1) Qin, K., Holguin, K., Huang, J., Mohammadiroudbari, M., **Chen, F.**, Yang, Z., Xu, G. and Luo, C. A fast-charging and high-temperature all-organic rechargeable potassium battery. *Adv. Sci.* Under revision. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
2) Holguin, K., Qin, K., Kamphaus, E., **Chen, F.**, Cheng, L., Xu, G. and Luo, C. Establishing substitution rules of functional groups for high-capacity organic anode materials in Na-ion batteries. Submitted to *J. Power Sources*. Under Review. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
3) Mohanan, M., Hong, M. J., Pandey, P., Zhang, Z., **Chen, F.**, Kim, S. J., Labram, J. G. and Gavvalapalli, N. Molecularly Strapped Conjugated Microporous Polymers. Submitted to *Chem. Sci.* Under Review. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
4) Li, T., Algrim, L., McEntee, M., Tsyshevsky, R., Leonard, M., Durke, E.M., Karwacki, Christopher., Kukljad, M.M., Zachariah, M.R. and Rodriguez, E.E. Mesoporous CeO2 towards DMMP Decomposition. In preparation. (SSNMR at UMD) Acknowledgement to **Fu Chen** and SSNMR instrument.

Published/Accepted

5) Celiz, M. D., Morehouse, K. M., Ridge, C. D., **Chen, F.**, deJager, L. S. and Begley, T. H. Extraction and Analysis of an Organophosphate Salt Nucleating Agent from Irradiated Polypropylene Resin. Accepted by *Food. Addit. Contam.* (SSNMR at UMD) Acknowledgement to SSNMR instrument.
6) Skaggs, C.M., Siegfried, P.E., Kang, C.-J., Brown, C.M., **Chen, F.**, Ma, L., Ehrlich, S.N., Xin, Y., Croft, M., Xu, W., Lapidus, S.H., Ghimire, N.J. and Tan, X. Iridate Li_8IrO_6: An Antiferromagnetic Insulator. *Inorg. Chem.* 2021, 60: 17201-17211. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
7) Olademehin, O., Liu, C., Rimal, B., Adegboyega, N.F., **Chen, F**., Sim, C., and Kim, S.J. Dsi-RNA Knockdown of Genes Regulated by Foxo Reduces Glycogen and Lipid Accumulations in Diapausing *Culex Pipiens*. *Scientific Reports.* 2020, 10: 17201. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
8) Xiao, S., Lee, W., **Chen, F**., Zavalij, P., Gutierrez, O., and Davis, J.T. Oxidation of 8-Thioguanosine Gives Redox-Responsive Hydrogels and Reveals Intermediates in a Desulfurization Pathway. *Chem. Commun.* 2020, 56: 6981-6984. (SSNMR at UMD) Acknowledgement to SSNMR instrument.
9) Cui, C., Ji, X., Wang, P.F., Xu, G.L., Chen, L., Chen, J., Kim, H., Ren, Y., **Chen, F**., Yang, C., Fan, X., Luo, C., Amine, K., and Wang, C. Integrating Multi-Redox Centers into one Framework for High Performance Organic Li-Ion Battery Cathode. *ACS Energy Lett.* 2020, 5: 224-231. (SSNMR at UMD) Acknowledgement to SSNMR instrument.