

Christian Chamberlayne

Ph.D. Student in Chemistry, admitted Summer 2015

Publications

PUBLICATIONS

- **Effects of Weak Electrolytes on Electric Double Layer Ion Distributions.** *The journal of physical chemistry letters*
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- **Simple model for the electric field and spatial distribution of ions in a microdroplet.** *The Journal of chemical physics*
Chamberlayne, C. F., Zare, R. N.
2020; 152 (18): 184702
- **On-demand drug release from polypyrrole nanoparticulate films**
Chamberlayne, C., Baltasvias, S., Xu, H., Arbabian, A., Annes, J., Zare, R.
AMER CHEMICAL SOC.2019
- **Electrically controlled drug release using pH-sensitive polymer films.** *Nanoscale*
Neumann, S. E., Chamberlayne, C. F., Zare, R. N.
2018; 10 (21): 10087–93
- **Visible light photoswitching of conjugated polymer nanoparticle fluorescence** *CHEMICAL COMMUNICATIONS*
Zhang, X., Chamberlayne, C. F., Kurimoto, A., Frank, N. L., Harbron, E. J.
2016; 52 (22): 4144–47
- **Functionalization of Conjugated Polymer Nanoparticles for Fluorescence Photomodulation** *LANGMUIR*
Chamberlayne, C. F., Lepekhina, E. A., Saar, B. D., Peth, K. A., Walk, J. T., Harbron, E. J.
2014; 30 (48): 14658–69
- **Direct synthesis of hollow polymeric nanocapsules of variable shell thickness and rigidity** *RSC ADVANCES*
Balasubramanian, R., Han, S., Chamberlayne, C.
2013; 3 (29): 11525–28