Stanford

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Publications

PUBLICATIONS

- **Methods for modeling and real-time visualization of CLIP and iCLIP-based 3D printing** *GIANT*
  Lipkowitz, G., Coates, I., Krishna, N., Shaqfeh, E. G., DeSimone, J. M.
  2024; 17
- **Palete-PrintAR: an augmented reality fluidic design tool for multicolor resin 3D printing**
  Lipkowitz, G., Shaqfeh, E. G., DeSimone, J. M., ACM
  ASSOC COMPUTING MACHINERY.2023
- **Printing atom-efficiently: faster fabrication of farther unsupported overhangs by fluid dynamics simulation**
  Lipkowitz, G., Krishna, N., Coates, I., Shaqfeh, E. G., DeSimone, J. M., Spencer, S. N.
  ASSOC COMPUTING MACHINERY.2023
- **Single-digit-micrometer-resolution continuous liquid interface production.** *Science advances*
  Hsiao, K., Lee, B. J., Samuelsen, T., Lipkowitz, G., Kronenfeld, J. M., Ilyn, D., Shih, A., Dulay, M. T., Tate, L., Shaqfeh, E. S., DeSimone, J. M.
  2022; 8 (46): eabq2846
- **Injection continuous liquid interface production of 3D objects.** *Science advances*
  Lipkowitz, G., Samuelsen, T., Hsiao, K., Lee, B., Dulay, M. T., Coates, I., Lin, H., Pan, W., Toth, G., Tate, L., Shaqfeh, E. S., DeSimone, J. M.
  2022; 8 (39): eabq3917
- **Characterization of a 30 m pixel size CLIP-based 3D printer and its enhancement through dynamic printing optimization.** *Additive manufacturing*
  Lee, B. J., Hsiao, K., Lipkowitz, G., Samuelsen, T., Tate, L., DeSimone, J. M.
  2022; 55
- **Numerical Modelling of Moisture Loss during Controlled Drying of Marine Archaeological Wood** *FORESTS*
  Lipkowitz, G., Hennum, K., Piva, E., Schofield, E.
  2021; 12 (12)