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Bio

STANFORD ADVISORS

- Zev Bryant, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Motor crosslinking augments elasticity in active nematics.** *Soft matter*
Redford, S. A., Colen, J., Shivers, J. L., Zemsky, S., Molaei, M., Floyd, C., Ruijgrok, P. V., Vitelli, V., Bryant, Z., Dinner, A. R., Gardel, M. L.
2024
- **Exploitation of Engineered Light-Switchable Myosin XI for Nanotechnological Applications.** *ACS nano*
Salhotra, A., Rahman, M. A., Ruijgrok, P. V., Meinecke, C. R., Ušaj, M., Zemsky, S., Lindberg, F. W., Surendiran, P., Lyttleton, R. W., Linke, H., Korten, T., Bryant, Z., Månsson, et al
2023
- **Design and characterization of optically controllable filamentous myosins**
Zemsky, S., Ruijgrok, P. V., Bryant, Z.
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- **Optical control of fast and processive engineered myosins in vitro and in living cells.** *Nature chemical biology*
Ruijgrok, P. V., Ghosh, R. P., Zemsky, S. n., Nakamura, M. n., Gong, R. n., Ning, L. n., Chen, R. n., Vachharajani, V. T., Chu, A. E., Anand, N. n., Eguchi, R. R., Huang, P. S., Lin, et al
2021
- **Spatiotemporal control of liquid crystal structure and dynamics through activity patterning.** *Nature materials*
Zhang, R. n., Redford, S. A., Ruijgrok, P. V., Kumar, N. n., Mozaffari, A. n., Zemsky, S. n., Dinner, A. R., Vitelli, V. n., Bryant, Z. n., Gardel, M. L., de Pablo, J. J.
2021
- **Optical Control of Fast and Processive Engineered Myosins In Vitro and in Living Cells**
Ruijgrok, P. V., Ghosh, R. P., Nakamura, M., Zemsky, S., Chen, R., Vachharajani, V., Liphardt, J. T., Bryant, Z.
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