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Ph.D. Student in Chemical Engineering, admitted Autumn 2019

Publications

PUBLICATIONS

- **Embedded 3d Bioprinting of Collagen Inks into Microgel Baths to control hydrogel Microstructure and Cell Spreading.** *Advanced healthcare materials*
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- **Gelation of Uniform Interfacial Diffusant in Embedded 3D Printing** *ADVANCED FUNCTIONAL MATERIALS*
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2023
- **Spatially controlled construction of assembloids using bioprinting.** *Nature communications*
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- **Collagen Gels Crosslinked by Photoactivation of Riboflavin for the Repair and Regeneration of Corneal Defects.** *ACS applied bio materials*
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- **Gelation of Uniform Interfacial Diffusant in Embedded 3D Printing.** *bioRxiv : the preprint server for biology*
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- **3D bioprinting of dynamic hydrogel bioinks enabled by small molecule modulators.** *Science advances*
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- **Collagen hydrogels covalently crosslinked by bioorthogonal click chemistry resist cell-induced contraction while preserving encapsulated corneal stromal cell phenotype**
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- **Engineered assistive materials for 3D bioprinting: support baths and sacrificial inks.** *Biofabrication*
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- **3D Bioprinting of Cell-Laden Hydrogels for Improved Biological Functionality.** *Advanced materials (Deerfield Beach, Fla.)*
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- **Conducting polymer-based granular hydrogels for injectable 3D cell scaffolds.** *Advanced materials technologies*
Feig, V. R., Santhanam, S., McConnell, K. W., Liu, K., Azadian, M., Brunel, L. G., Huang, Z., Tran, H., George, P. M., Bao, Z.
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- **3D Bioprinting using UNiversal Orthogonal Network (UNION) Bioinks.** *Advanced functional materials*
Hull, S. M., Lindsay, C. D., Brunel, L. G., Shiwarski, D. J., Tashman, J. W., Roth, J. G., Myung, D., Feinberg, A. W., Heilshorn, S. C.
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- **Generation of a three-dimensional collagen scaffold-based model of the human endometrium** *INTERFACE FOCUS*
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