

List of Publications

- [1] K. R. Lucon Rivas, M. Bucella, L. Dedé, and A. Pandolfi. Modeling the biomechanics of the human iris with an active strain approach. *Journal of the Royal Society Interface*, In Press, 2026.
- [2] M. Molteni, A. Pandolfi, and E. Gariboldi. Tuning the effective thermal conductivity and thermal response of triply periodic minimal surface-based composites through anisotropic geometry rescaling. *Journal of Energy Storage*, 169:122696, 2026.
- [3] M. L. De Bellis, G. Alfano, A. Pandolfi, and E. Sacco. Multiscale modeling of interacting fracture networks. *International Journal of Fracture*, 250(1):12, 2026.
- [4] A. Giammarini and A. Pandolfi. A model of the human cornea as a hydrated, fluid-saturated medium. *Mechanics of Materials*, 214:105586, 2026.
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- [6] A. Pandolfi, I. Romero, and M. Ortiz. An optimal-transport finite-particle method for driven mass diffusion. *Computer Methods in Applied Mechanics and Engineering*, 442:118013, 2025.
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- [12] A. Bonfanti and A. Pandolfi. A predictive model of UV-A-riboflavin crosslinking treatment on porcine corneas. *Proceedings of the Royal Society of London A*, 479(2279):1–17, 2023.
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- [16] A. Montanino, S. van Overbeeke, and A. Pandolfi. Modelling the biomechanics of laser corneal refractive surgery. *Journal of the Mechanical Behavior of Biomedical Materials*, 145:1–11, 2023.
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