

Gerardo Catapano
Professor of Industrial Bioengineering

Selected publications

[Is oxygen availability a limiting factor for in vitro folliculogenesis?](#)

R. Talevi, S. Sudhakaran, V. Barbato, A. Merolla, S. Braun, M. Di Nardo, V. Costanzo, R. Ferraro, N. Iannantuoni, G. Catapano, R. Gualtieri
PLoS One, 2018 Feb 9;13(2):e0192501

[Microstructural characterization and robust comparison of ceramic porous orbital implants](#)

F. Baino, G. Falvo D'Urso Labate, G. Gautier di Confiengo, M.G. Faga, C. Vitale-Brovarone, G. Catapano
J. Eur. Ceramic Soc., DOI: 10.1016/j.jeurceramsoc.2017.12.047

[Renal function replacement by hemodialysis: forty-year anniversary and a glimpse into the future at hand](#)

G. Catapano, A. Buscaroli
Int. J. Artif. Organs, 40(7):313-322 (2017)

[Transport analysis of bioreactors for the in vitro culture of ovarian tissue](#)

G. Catapano, R. Gualtieri, R. Talevi
Curr. Trends in Clin. Embryology, 3(2): 54-65 (2016)

[Bone structural similarity score: a multiparametric tool to match properties of biomimetic bone substitutes with their target tissues](#)

G. Falvo D'Urso Labate, F. Baino, M. Terzini, A.L. Audenino, C. Vitale-Brovarone, P. Segers, R. Quarto, G. Catapano
J. Appl. Biomater. Funct. Mater., 14(3):e277-e289 (2016).

[Optimization of construct perfusion in radial-flow packed-bed bioreactors for tissue engineering with a 2D stationary fluid dynamic model](#)

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[Mesenchymal stem cell culture in convection-enhanced hollow fibre membrane bioreactors for bone tissue engineering](#)

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[Preliminary analysis of the factors determining bacterial fragment removal from water of different commercial ceramic and polymeric membranes](#)

M. Ebrahimi, R. Hackel, G. Catapano, P. Czermak

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[Analysis of in vitro Continuous Wet-dry CO₂ Removal with Hydrophilic Membranes from Slowly Flowing Blood](#)

P. Czermak, M. Walz, G. Catapano

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[Accuracy of Automated Flow-measuring Devices used in the Pharmaceutical Industry for Testing Sterile Filter Integrity](#)

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[Characterization of the Distribution of Matter in Hybrid Liver Support Devices where Cells are Cultured in a 3-D Membrane Network or on Flat Substrata](#)

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