

LIST OF PUBLICATIONS

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Papers Published

- Budu-Grajdeanu P., Schugart R.C., Friedman A., Valentine C., Agarwal A.K. and Rovin B.H., “*A mathematical model of venous neointimal hyperplasia formation*”, *Theor. Biol. Med. Model.* **5** (2), 2008
- Liu X., Srinivasan P., Budu-Grajdeanu P., Friedman A. and Zweier J., “*Nitric oxide diffusion rate is reduced in the aortic wall*”, *Biophys. J.* **94**, 1-10, 2008
- Budu-Grajdeanu P., Moore L.C. and Layton H.E., “*Effect of tubular inhomogeneities on filter properties of thick ascending limb of loop of Henle*”, *Math. Biosc.* **209** (2), 564-592, 2007
- Nijhout H.F., Reed M.C., Budu P. and Ulrich C., “*A Mathematical model of the folate cycle – New insights into folate homeostasis*”, *J. Biol. Chem.* **279** (53), 55008-55016, 2004
- Budu P., “*Unconditional nonlinear stability for a fluid of third grade*”, *Math. Meth. Appl. Sci.* **27** (4), 457-475, 2004
- Budu P., “*Stability results for convection in thawing subsea permafrost*”, *Continuum. Mech. Thermodyn.* **13**, 269-285, 2001

Preprints

- Budu-Grajdeanu P., Han H., Sharpnack J. and Tello D., “*Mathematical modeling of cellular mechanisms in L-Dopa treated Parkinson’s patients*”, Winter 2007
- Budu-Grajdeanu P., Moore L.C. and Layton H.E., “*Effect of spatial inhomogeneities on the tubuloglomerular feedback system*”, Winter 2007
- Basanta D. and Budu-Grajdeanu P., “*Cellular automata model for venous neointimal hyperplasia formation*”, Winter 2007