P. Zaytsev, T. Cnops, and C. D. Remy, "A detailed look at the slip model dynamics: bifurcations, chaotic behaviour, and fractal basins-of-attraction", Journal of Computational and Nonlinear Dynamics, 2018 (in review).
Z. Gan, Y. Yesilevskiy, P. Zaytsev, and C. D. Remy, "All common bipedal gaits emerge from a single passive model", Journal of The Royal Society Interface, vol. 15, no. 146, p. 20180455, 2018.
P. Zaytsev, W. Wolfslag, and A. Ruina, "The boundaries of walking stability: viability and controllability of simple models", IEEE Transactions on Robotics, vol. 34, no. 2, pp. 336-352, 2018.
N. Smit-Anseeuw, R. Gleason, P. Zaytsev, and C. D. Remy, "Ramone: a planar biped for studying the energetics of gait", in Intelligent Robots and Systems (IROS), 2017 IEEE/RSJ International Conference on. IEEE, 2017, pp. 4090-4095.
A. Nash, Y.-M. Chen, N. Smit-Anseeuw, P. Zaytsev, and C. D. Remy, "Learning stable and energetically economical walking with ramone", arXiv preprint arXiv:1711.01316, 2017.
P. Zaytsev, S. J. Hasaneini, and A. Ruina, "Two steps is enough: no need to plan far ahead for walking balance", in Robotics and Automation (ICRA), 2015 IEEE International Conference on. IEEE, 2015, pp. 6295-6300.
P. Zaytsev, "Using controllability of simple models to generate maximally robust walking-robot controllers", Ph.D. dissertation, Cornell University, 2015.
P. Zaytsev and A. Ruina, "Controllability and viability: a look at robustness of walking", in Proceedings of Dynamic Walking, 2013.
P. Zaytsev, "Control concepts for walking based on point-mass 3d models", in Proceedings of Dynamic Walking, 2012.
P. Zaitsev and A. Formal'skii, "Autonomous longitudinal motion of a paraglider. mathematical simulation, synthesis of control", Journal of Computer and Systems Sciences International, vol. 47, no. 5, pp. 786-794, 2008.
P. Zaitsev and A. Formal'skii, "Paraglider: Mathematical model and control", in Doklady Mathematics, vol. 77, no. 3. Springer, 2008, pp. 472-475.

