F. Soto, M. A. Lopez‐Ramirez, I. Jeerapan, B. E.‐F. de Avila, R. K. Mishra, X. Lu, I. Chai, C. Chen, D. Kupor, A. Nourhani, J. Wang, Rotibot: Use of Rotifers as Self‐Propelling Biohybrid Microcleaners, Adv. Func. Mat. , 1900658 (2019)

S. Tang, F. Zhang, J. Zhao, W. Talaat, F. Soto, E. Karshalev, C. Chen, Z. Hu, X. Lu, J. Li, Z. Lin, H. Dong, X. Zhang, A. Nourhani, J. Wang, Structure‐Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Light‐Driven Hybrid Microbowls, Adv. Func. Mat. , 1809003 (2019)

F. Zhang, R. Mundaca‐Uribe, H. Gong, B. E.‐F. de Ávila, M. Beltrán‐Gastélum, E. Karshalev, A. Nourhani, Y. Tong, B. Nguyen, M. Gallot, Y. Zhang, L. Zhang, J. Wang, A Macrophage–Magnesium Hybrid Biomotor: Fabrication and Characterization, Adv. Mat. , 1901828 (2019)

A. Nourhani, V. H. Crespi, P. E. Lammert, Communicating through a sea of frustration: Zero-temperature triangular Ising antiferromagnet on a cylinder, Phys. Rev. E 98, 032107 (2018)

A. Nourhani, D. Brown, N. Pletzer, J. G. Gibbs, Engineering contactless particle-particle interactions in active microswimmers, Adv. Mat. 29, 1703910 (2017)

J. N. Johnson, A. Nourhani, R. Peralta, B. Thiesing, C. J. Mann, P. E. Lammert, and J. G. Gibbs, Dynamic stabilization of Janus sphere trans-dimers,  Phys. Rev. E 95, 042609 (2017)

M. Kaynak, A. Ozcelik, A. Nourhani, P. E. Lammert, V. H. Crespi, T. J. Huang, Acoustic actuation of bioinspired microswimmers,  Lab on Chip 17, 395 (2017)

A. Nourhani, P. E. Lammert, Geometrical performance of self-phoretic colloids and microswimmers, Phys. Rev. Lett., 116, 178302 (2016)

A. Nourhani, S. J. Ebbens, J. G. Gibbs, P. E. Lammert, Spiral diffusion of rotating self-propellers with stochastic perturbation, Phys. Rev. E 94, 030601(R) (2016)

P. E. Lammert, V. H. Crespi, A. Nourhani, Bypassing slip velocity: rotational and translational velocities of autophoretic colloids in terms of surface flux,  J. Fluid. Mech. 802, 294 (2016)

M. Kaynak, A. Ozcelik, N. Nama, A. Nourhani , P. E. Lammert, V. H. Crespi, and T. J. Huang, Acoustofluidic actuation of in situ fabricated microrotors,  Lab on Chip 16, 3532 (2016)

A. Nourhani, V. H. Crespi, P. E. Lammert, Guiding chiral self-propellers in a periodic potential,  Phys. Rev. Lett. 115, 118101 (2015)

A. Nourhani, V. H. Crespi, P. E. Lammert, Self-consistent nonlocal feedback theory for electrocatalytic swimmers with heterogeneous surface chemical kinetics, Phys. Rev. E 91, 062303 (2015)

A. Nourhani, P. E. Lammert, V. H. Crespi, A. Borhan, A general flux-based analysis for spherical electrocatalytic nanomotors, Phys. Fluids 27, 012001 (2015)

A. Nourhani, V. H. Crespi, P. E. Lammert, A. Borhan, Self-electrophoresis of spheroidal electrocatalytic swimmers, Phys. Fluids 27, 092002 (2015)

D. Ahmed, M. Lu, A. Nourhani, P. E. Lammert, Z. Stratton, H. S. Muddana, V. H. Crespi, T. J. Huang, Selectively manipulable acoustic-powered microswimmers, Scientific Reports 5, 9744 (2015)

A. Nourhani, P. E. Lammert, A. Borhan, V. H. Crespi, Kinematic matrix theory and universalities in self-propellers and active swimmers,  Phys. Rev. E 89, 062304 (2014)

A. Nourhani, V. H. Crespi, P. E. Lammert, Gaussian memory in kinematic matrix theory for self-propellers,  Phys. Rev. E. 90, 062304 (2014)

M. Sadati, A. Nourhani, J. J. Fredberg, N. Taheri-Qazvini, Glass-like dynamics in the cell and in cellular collectives,  WIREs Syst Biol Med DOI: 10.1002/wsbm.1258 (2014)

A. Nourhani, P. E. Lammert, A. Borhan, V. H. Crespi, Chiral diffusion of rotary nanomotors, Phys. Rev. E 87, 050301(R) (2013)

A. Nourhani, Y.-M. Byun, P. E. Lammert, A. Borhan, V. H. Crespi, Nanomotor mechanisms and motive force distributions from nanorotor trajectories, Phys. Rev. E 88, 062317 (2013)

M. Khorassani, S. Pourmahdian, F. Afshar-Taromi, A. Nourhani, Estimation of critical pigment volume concentration in latex paint systems using gas permeation, Iranian Polymer Journal 14, 1000 (2005)