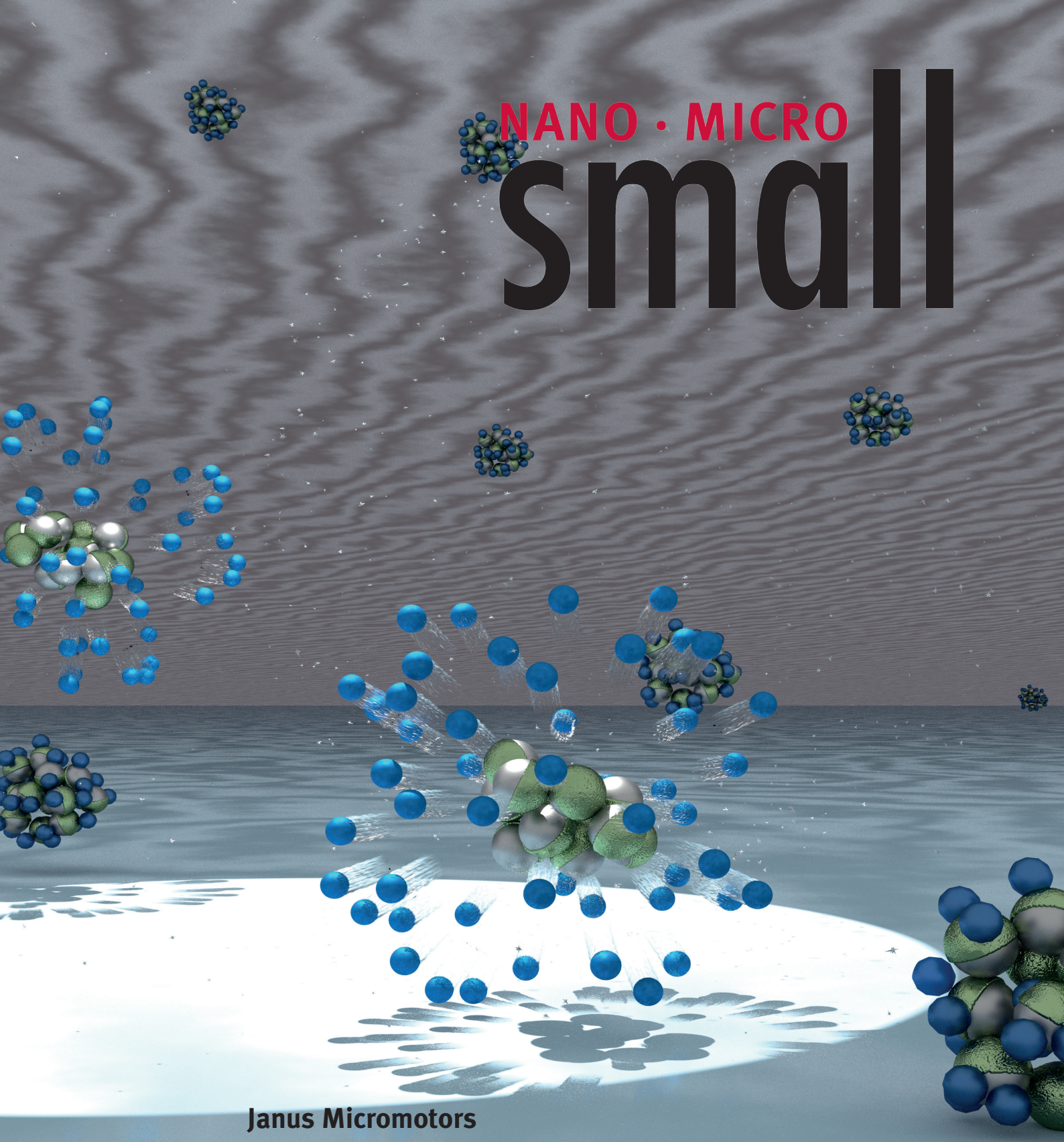
NANO · MICRO
small



Janus Micromotors

In article number 1802537, Larysa Baraban, Denys Makarov, and co-workers present novel plasmonic Ag/AgCl-based spherical Janus micromotors and investigate their collective behavior upon interaction with nonmotile passive beads. An efficient exclusion behavior between Ag/AgCl micromotors and the surrounding passive beads is observed under visible light illumination in pure H_2O. The exclusion effect is tunable by the number of catalytically active Janus particles forming a micromotor, which is demonstrated experimentally and using molecular-dynamics simulations.

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