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Self Propelled nanorods at an interface JEREMIE PALACCI, Department of Physics, UCSD/ Courant Institute NYU, TAKUJI ADACHI, NYU Chemistry, JUN ZHANG, NYU Physics/ Courant Institute NYU, LEIF RISTROPH, MIKE SHELLEY, Courant Institute NYU — Self-propelled colloids are micron-scale particles which can harvest the energy from the surrounding medium and convert it into propulsion and work. Here we study the impact of the interface —solid. fluid, slipping, non-slipping. . . — on the dynamics of the self-propulsion for a suspension of active nanorods.

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