Towards an ab-axis giant proximity effect using ionic liquid gating

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The cover image aims to summarize the ionic liquid gating performed on cuprates. The droplet in the background represents the ionic liquid. N, N-diethyl-N-(2-methoxyethyl)-N-methylammonium (DEME) cations and bis(trifluoromethanesulfonyl)imide (TFSI) anions. The ions are located just above the atomic terraces of a $La_{2-x}Sr_xCuO_4$ crystal.

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