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Title: *-Ricci solitons on Sasakian 3-manifolds

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In the present paper, we study *-Ricci solitons and prove that if a Sasakian 3-manifold M admits *-Ricci soliton, then it has constant scalar curvature, and the flow vector field V is Killing. Furthermore, the potential vector field V is an infinitesimal automorphism of the contact metric structure on M . Besides, we study *-gradient Ricci solitons on Sasakian 3-manifolds. As a consequence of the main theorem, we obtain several results.

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