1070-57-255   **Tao Li*** (`taoli@bc.edu`), Department of Mathematics, Boston College, Chestnut Hill, MA 02467.
The Rank versus Genus Conjecture.

We construct a counterexample to the Rank versus Genus Conjecture (also known as the Rank Conjecture), i.e., a closed orientable hyperbolic 3-manifold with rank of its fundamental group smaller than its Heegaard genus. We also construct toroidal such examples that contain hyperbolic JSJ pieces. (Received February 14, 2011)