Let $A$ be an artin algebra. Cycles in the category $\text{mod } A$ of finitely generated left $A$-modules have been extensively studied. In this talk, we shall present a joint work with Jinde Xu on AR-components $\Gamma$ of $\text{mod } A$ for which there exists a bound for the depths of the maps on short cycles passing through only modules in $\Gamma$. Our main result says that such an AR-component consists of a finite core containing all possible oriented cycles, finitely many left stable components which are predecessor-closed subquivers of tilted quotient algebras of $A$, and finitely many right stable components which are successor-closed subquivers of tilted quotient algebras of $A$. As a consequence, $A$ is representation-finite if and only if there exists a bound for the depths of the maps on short cycles in $\text{mod } A$. This includes a well known result of Ringel’s saying that a representation-directed algebra is representation-finite, which was generalized later by Happel and Liu.