

Abstract:

The eurypterid *Rhenopterus sievertsi* Størmer from the Lower Devonian of Germany is redescribed. Based on new morphological data, including the possession of prosomal limbs of *Adelophthalmus*-type and spatulae on the genital operculum, the species is transferred to the genus *Adelophthalmus* Jordan, in Jordan and von Meyer and thus is the oldest representative of this geographically and stratigraphically widespread genus. *Eurypterus? trapezoides* Størmer is recognized as a junior synonym of *A. sievertsi*.