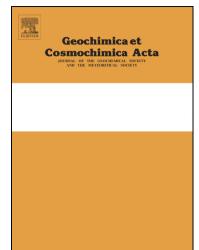
## Accepted Manuscript

Multiple sulfur-isotopic evidence for a shallowly stratified ocean following the Triassic-Jurassic boundary mass extinction

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## ACCEPTED MANUSCRIPT

#### Multiple sulfur-isotopic evidence for a shallowly stratified ocean following the

### Triassic-Jurassic boundary mass extinction

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#### ABSTRACT

The cause of the Triassic-Jurassic (Tr-J) boundary biotic crisis, one of the 'Big Five' mass extinctions of the Phanerozoic, remains controversial. In this study, we analyzed multiple sulfur-isotope compositions ( $\delta^{33}$ S,  $\delta^{34}$ S and  $\delta^{36}$ S) of pyrite and S<sub>py</sub>/TOC ratios in two Tr-J

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