https://doi.org/10.5194/hess-23-51-2019-supplement
© Author(s) 2019. This work is distributed under the Creative Commons Attribution 4.0 License.

Supplement of

Storage dynamics, hydrological connectivity and flux ages in a karst catchment: conceptual modelling using stable isotopes

Zhicai Zhang et al.

Correspondence to: Zhicai Zhang (zhangzhicai_0@hhu.edu.cn)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.
Figure S1 Sensitivity of 12 calibrated parameters in terms of (a) flow and (b) isotope composition. Targeting the discharge, six parameters (except $w$) among the seven parameters in the flow routing module are sensitive and the parameters in the isotopic module are all insensitive (Fig. S1 (a)). Targeting only isotopic values and both flow discharge and isotopic composition, the sensitive parameters are same, including $K_f$, $a$, and $b$ in the flow routing module, and $I_s$ and $\tau$ in the tracer module) (Fig. S1 (b) and Fig. 5).