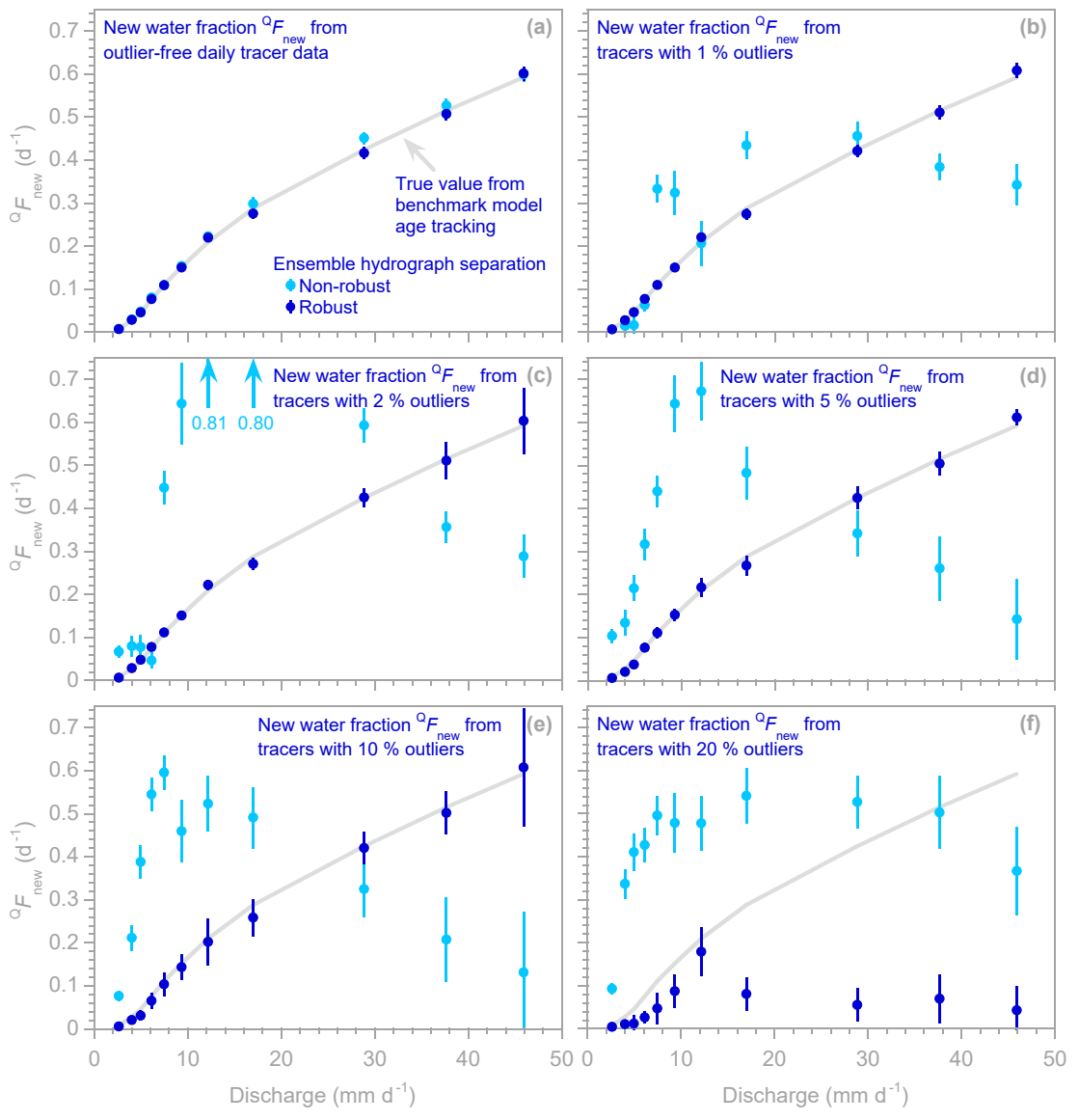
New water fraction $^{Q}F_{new}$ from outlier-free daily tracer data
(a)
True value from benchmark model age tracking
Ensemble hydrograph separation
Non-robust
Robust
New water fraction $^{Q}F_{new}$ from tracers with 1 % outliers
(b)
New water fraction $^{Q}F_{new}$ from tracers with 2 % outliers
(c)
0.81
0.80
New water fraction $^{Q}F_{new}$ from tracers with 5 % outliers
(d)
New water fraction $^{Q}F_{new}$ from tracers with 10 % outliers
(e)
New water fraction $^{Q}F_{new}$ from tracers with 20 % outliers
(f)
$^{Q}F_{new}$ (d^{-1})
Discharge (mm d^{-1})
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
10
20
30
40
50