Igor Gejadze

List of Publications by Year
in descending order

14	251	1478505 6	1058476 14
papers	citations	h-index	g-index

14	14	14	257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new robust discharge estimation method applied in the context of SWOT satellite data processing. Journal of Hydrology, 2022, 610, 127909.	5.4	3
2	Variational data assimilation to improve subsurface drainage model parameters. Journal of Hydrology, 2022, 610, 128006.	5.4	3
3	On the use of derivatives in the polynomial chaos based global sensitivity and uncertainty analysis applied to the distributed parameter models. Journal of Computational Physics, 2019, 381, 218-245.	3.8	2
4	Uncertainty Quantification for River Flow Simulation Applied to a Real Test Case: The Garonne Valley. Springer Water, 2018, , 169-187.	0.3	6
5	River discharge estimation from synthetic SWOT-type observations using variational data assimilation and the full Saint-Venant hydraulic model. Journal of Hydrology, 2018, 559, 638-647.	5.4	59
6	Discharge Estimation in Ungauged Basins Through Variational Data Assimilation: The Potential of the SWOT Mission. Water Resources Research, 2018, 54, 2405-2423.	4.2	63
7	River discharge estimation under uncertainty from synthetic SWOT-type observations using variational data assimilation. Houille Blanche, 2018, 104, 84-89.	0.3	1
8	Optimal solution error quantification in variational data assimilation involving imperfect models. International Journal for Numerical Methods in Fluids, 2017, 83, 276-290.	1.6	2
9	Implicit treatment of model error using inflated observationâ€error covariance. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2496-2508.	2.7	4
10	Discharge estimation under uncertainty using variational methods with application to the full Saintâ€Venant hydraulic network model. International Journal for Numerical Methods in Fluids, 2017, 83, 405-430.	1.6	22
11	Design of the control set in the framework of variational data assimilation. Journal of Computational Physics, 2016, 325, 358-379.	3.8	6
12	On gauss-verifiability of optimal solutions in variational data assimilation problems with nonlinear dynamics. Journal of Computational Physics, 2015, 280, 439-456.	3.8	7
13	Computation of the analysis error covariance in variational data assimilation problems with nonlinear dynamics. Journal of Computational Physics, 2011, 230, 7923-7943.	3.8	29
14	On optimal solution error covariances in variational data assimilation problems. Journal of Computational Physics, 2010, 229, 2159-2178.	3.8	44