

Guillaume Thirel

List of Publications by Year in descending order

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97
papers

2,465
citations

245449

24
h-index

223255

46
g-index

175
all docs

175
docs citations

175
times ranked

3967
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.7	556
2	The suite of lumped GR hydrological models in an R package. <i>Environmental Modelling and Software</i> , 2017, 94, 166-171.	4.6	179
3	Hydrology under change: an evaluation protocol to investigate how hydrological models deal with changing catchments. <i>Hydrological Sciences Journal</i> , 2015, 60, 1184-1199.	2.7	111
4	Oxymatrine Prevents NF- κ B Nuclear Translocation And Ameliorates Acute Intestinal Inflammation. <i>Scientific Reports</i> , 2013, 3, 1629.	3.4	102
5	Assimilation of MODIS Snow Cover Area Data in a Distributed Hydrological Model Using the Particle Filter. <i>Remote Sensing</i> , 2013, 5, 5825-5850.	4.1	89
6	On the need to test hydrological models under changing conditions. <i>Hydrological Sciences Journal</i> , 2015, 60, 1165-1173.	2.7	78
7	Technical note: Pitfalls in using log-transformed flows within the KGE criterion. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4583-4591.	5.0	74
8	Evaluation of facial hard and soft tissue asymmetry using cone-beam computed tomography. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016, 149, 225-237.	1.8	70
9	On the Impact of Short-Range Meteorological Forecasts for Ensemble Streamflow Predictions. <i>Journal of Hydrometeorology</i> , 2008, 9, 1301-1317.	3.6	66
10	A past discharges assimilation system for ensemble streamflow forecasts over France – Part 1: Description and validation of the assimilation system. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1623-1637.	5.0	66
11	Using R in hydrology: a review of recent developments and future directions. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2939-2963.	5.0	56
12	Signatures of topological phase transitions in mesoscopic superconducting rings. <i>New Journal of Physics</i> , 2013, 15, 025001.	2.9	52
13	Revisiting a Simple Degree-Day Model for Integrating Satellite Data: Implementation of Swe-Sca Hystereses. <i>Journal of Hydrology and Hydromechanics</i> , 2019, 67, 70-81.	2.0	49
14	A past discharge assimilation system for ensemble streamflow forecasts over France – Part 2: Impact on the ensemble streamflow forecasts. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1639-1653.	5.0	48
15	Climate change impacts on streamflow at the upper Jordan River based on an ensemble of regional climate models. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 92-109.	2.5	47
16	Investigating the interactions between data assimilation and post-processing in hydrological ensemble forecasting. <i>Journal of Hydrology</i> , 2014, 519, 2775-2784.	5.6	44
17	Looking beyond general metrics for model comparison – lessons from an international model intercomparison study. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 423-440.	5.0	37
18	Influence of Cytochrome P450 (CYP) $3A4^{*1G}$ Polymorphism on the Pharmacokinetics of Tacrolimus, Probability of Acute Cellular Rejection, and mRNA Expression Level of CYP3A5 Rather than CYP3A4 in Living-Donor Liver Transplant Patients. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1814-1821.	1.5	31

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19	Comparing the scores of hydrological ensemble forecasts issued by two different hydrological models. <i>Atmospheric Science Letters</i> , 2010, 11, 100-107.	1.8	30
20	Sequential Data Assimilation for Streamflow Forecasting: Assessing the Sensitivity to Uncertainties and Updated Variables of a Conceptual Hydrological Model at Basin Scale. <i>Water Resources Research</i> , 2021, 57, .	4.2	29
21	A Regularization Approach to Improve the Sequential Calibration of a Semidistributed Hydrological Model. <i>Water Resources Research</i> , 2019, 55, 8821-8839.	4.2	28
22	Impact of the quality of hydrological forecasts on the management and revenue of hydroelectric reservoirs – a conceptual approach. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1033-1052.	5.0	28
23	Behind the scenes of streamflow model performance. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1069-1095.	5.0	28
24	A particle filter scheme for multivariate data assimilation into a point-scale snowpack model in an Alpine environment. <i>Cryosphere</i> , 2018, 12, 2287-2306.	4.0	25
25	Are 7mm long implants in native bone as effective as longer implants in augmented bone for the rehabilitation of posterior atrophic jaws? A systematic review and meta-analysis. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 552-566.	3.6	23
26	Cross-species transmission of deltacoronavirus and the origin of porcine deltacoronavirus. <i>Evolutionary Applications</i> , 2020, 13, 2246-2253.	3.2	23
27	Short- and medium-range hydrological ensemble forecasts over France. <i>Atmospheric Science Letters</i> , 2010, 11, 72-77.	1.8	21
28	Impact of improved meteorological forcing, profile of soil hydraulic conductivity and data assimilation on an operational Hydrological Ensemble Forecast System over France. <i>Journal of Hydrology</i> , 2015, 525, 781-792.	5.6	21
29	Continuous state-space representation of a bucket-type rainfall-runoff model: a case study with the GR4 model using state-space GR4 (version 1.0). <i>Geoscientific Model Development</i> , 2018, 11, 1591-1605.	3.7	21
30	Spatial variability of the parameters of a semi-distributed hydrological model. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 87-94.	1.0	21
31	Assessing the quality of a real-time Snow Cover Area product for hydrological applications. <i>Remote Sensing of Environment</i> , 2012, 127, 271-287.	11.1	20
32	Impact of streamflow data assimilation and length of the verification period on the quality of short-term ensemble hydrologic forecasts. <i>Journal of Hydrology</i> , 2014, 519, 2676-2691.	5.6	20
33	A large sample analysis of European rivers on seasonal river flow correlation and its physical drivers. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 73-91.	5.0	20
34	Technical note: Hydrology modelling R packages – a unified analysis of models and practicalities from a user perspective. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3937-3973.	5.0	20
35	Evaluation of predictive models for post-fire debris flow occurrence in the western United States. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2331-2343.	3.7	19
36	Four things to know about myosin light chains as reporters for non-muscle myosin II dynamics in live cells. <i>Cytoskeleton</i> , 2015, 72, 65-70.	2.2	18

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37	The reduction continuous rank probability score for evaluating discharge forecasts from hydrological ensemble prediction systems. <i>Atmospheric Science Letters</i> , 2013, 14, 61-65.	1.8	16
38	Climate change impact and uncertainty analysis on hydrological extremes in a French Mediterranean catchment. <i>Hydrological Sciences Journal</i> , 2021, 66, 888-903.	2.7	16
39	Predicting flow intermittence in France under climate change. <i>Hydrological Sciences Journal</i> , 2021, 66, 2046-2059.	2.7	16
40	Modis Snowline Elevation Changes During Snowmelt Runoff Events in Europe. <i>Journal of Hydrology and Hydromechanics</i> , 2019, 67, 101-109.	2.0	15
41	Id1 and PD-1 Combined Blockade Impairs Tumor Growth and Survival of KRAS-mutant Lung Cancer by Stimulating PD-L1 Expression and Tumor Infiltrating CD8+ T Cells. <i>Cancers</i> , 2020, 12, 3169.	3.8	12
42	The Effects of Either a Mirror, Internal or External Focus Instructions on Single and Multi-Joint Tasks. <i>PLoS ONE</i> , 2016, 11, e0166799.	2.5	12
43	Unraveling the contribution of potential evaporation formulation to uncertainty under climate change. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2147-2159.	5.0	12
44	Bubbling behavior of a fluidized bed of fine particles caused by vibration-induced air inflow. <i>Scientific Reports</i> , 2013, 3, 1190.	3.4	11
45	Application of Fractionation Techniques to the Study of Olefin Polymerization Kinetics and Polymer Degradation. <i>Macromolecular Symposia</i> , 2007, 257, 112-121.	0.7	10
46	Evapotranspiration in hydrological models under rising CO ₂ : a jump into the unknown. <i>Climatic Change</i> , 2022, 172, .	3.7	10
47	Le partage de la ressource en eau sur la Durance en 2050: vers une révolution du mode de gestion des grands ouvrages duranciens? <i>Houille Blanche</i> , 2016, 102, 25-31.	0.3	9
48	Algoriphagus lacus sp. nov., isolated from a freshwater lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 193-198.	1.8	9
49	Climate change impacts on multi-objective reservoir management: case study on the Seine River basin, France. <i>International Journal of River Basin Management</i> , 2014, , 1-19.	2.5	7
50	Fuel Ethanol Production from Lignocellulosic Raw Materials Using Recombinant Yeasts. , 2010, , 261-291.		7
51	Robustness of a parsimonious subsurface drainage model at the French national scale. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5447-5471.	5.0	7
52	Construction of a Prognostic Immune Signature for Squamous-Cell Lung Cancer to Predict Survival. <i>Frontiers in Immunology</i> , 2020, 11, 1933.	4.9	6
53	A concentration-induced self-assembly strategy for Ag ₃ H ₃ PMo ₁₂ O ₄₀ nanorods: synthesis, photoelectric properties and photocatalytic applications. <i>Nanoscale Advances</i> , 2021, 3, 446-454.	4.6	6
54	Quels futurs possibles pour les dĂ©bits des affluents franĂ§ais du Rhin (Moselle, Sarre, Ill)? <i>Houille Blanche</i> , 2019, 105, 140-149.	0.3	6

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55	Zusammenarbeit von Boden- und Luftrettung. Notarzt, 2013, 29, 69-82.	0.2	5
56	Technical note: RAT " a robustness assessment test for calibrated and uncalibrated hydrological models. Hydrology and Earth System Sciences, 2021, 25, 5013-5027.	5.0	5
57	airGR and airGRteaching: Two Open-Source Tools for Rainfall-Runoff Modeling and Teaching Hydrology. , 0, , .		5
58	Technical note: PMR " a proxy metric to assess hydrological model robustness in a changing climate. Hydrology and Earth System Sciences, 2021, 25, 5703-5716.	5.0	5
59	The effect of weighting hydrological projections based on the robustness of hydrological models under a changing climate. Journal of Hydrology: Regional Studies, 2022, 41, 101113.	2.5	5
60	Use of expert elicitation to assign weights to climate and hydrological models in climate impact studies. Hydrology and Earth System Sciences, 2022, 26, 5605-5625.	5.0	5
61	Climate change impacts on water resources and reservoir management in the Seine river basin (France). Houille Blanche, 2016, 102, 32-37.	0.3	4
62	Structural changes in a Schiff base molecular assembly initiated by scanning tunneling microscopy tip. Nanotechnology, 2016, 27, 335601.	2.7	4
63	Effect of Doping Metals on the Structure of PEO Coatings on Titanium. International Journal of Chemical Engineering, 2018, 2018, 1-10.	2.5	4
64	Vers une prÃ©vision d'ensemble des dÃ©bits Ã l'Ã©chelle des grands bassinsfranÃ§ais. Houille Blanche, 2009, 95, 88-94.	0.3	3
65	Effect of Kangaroo Care on Mental and Motor Development in Premature Infant and Maternal Role Confidence. Journal of the Korean Society of Maternal and Child Health, 2013, 17, 215-226.	0.5	3
66	Effects of Climate Change on Hydrological Indicators of Subsurface Drainage for a Representative French Drainage Site. Frontiers in Environmental Science, 0, 10, .	3.3	3
67	Emancipatory Health Education & Environmental Education: The Emergence of the New Public Health. Australian Journal of Environmental Education, 1989, 5, 1-8.	2.2	2
68	Understanding the effects on constitutive activation and drug binding of a D130N mutation in the β_2 adrenergic receptor via molecular dynamics simulation. Journal of Molecular Modeling, 2014, 20, 2491.	1.9	2
69	On the visual detection of non-natural records in streamflow time series: challenges and impacts. Hydrology and Earth System Sciences, 2023, 27, 3375-3391.	5.0	2
70	Search for magnetic monopoles and stable particles with high electric charges in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2023, 2023, .	4.8	2
71	Fluorescence Emission Behavior of Eu(III) Sorbed on Calcium Silicate Hydrates Formed With No Dried Process. , 2013, , .		1
72	Men And Their Motives. , 0, , .		1

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73	What part of natural flow can be considered a "water resource"? Proceedings of the International Association of Hydrological Sciences, 0, 366, 86-92.	1.0	1
74	Asymptotics of Bordered Toeplitz Determinants and Next-to-Diagonal Ising Correlations. Journal of Statistical Physics, 2022, 187, 1.	1.2	1
75	As simple as possible but not simpler?: the case of irrigation modeling at catchment scale in southwestern France. Irrigation Science, 2023, 41, 713-736.	2.8	1
76	Impact of suspicious streamflow data on the efficiency and parameter estimates of rainfall-runoff models. Hydrological Sciences Journal, 2023, 68, 1627-1647.	2.7	1
77	airGRteaching: an open-source tool for teaching hydrological modeling with R. Hydrology and Earth System Sciences, 2023, 27, 3293-3327.	5.0	1
78	Metal Resources in Electronics: Trends, Opportunities and Challenges. , 2024, , 114-151.		1
79	Multi-model approach in a variable spatial framework for streamflow simulation. Hydrology and Earth System Sciences, 2024, 28, 1539-1566.	5.0	1
80	Modeling Social Capital in Bureaucratic Hierarchy for Analyzing Promotion Decisions. Lecture Notes in Computer Science, 2013, , 216-226.	1.0	0
81	Retrofitting, district heating and energy storage: neighborhood energy planning. Journal of Physics: Conference Series, 2019, 1343, 012108.	0.4	0
82	Autobiographie. , 2021, , 11-40.		0
83	RETOSSIGMOIDOSCOPIA: BIÃPSIA A SERVIÃO DO DIAGNÃSTICO DA ESQUISTOSSOMOSE MANSÃNICA. , 0, , 1-11.		0
84	The Etiology of Cognitive Competence: A Systems Perspective. , 2021, , 115-151.		0
85	Assimilation de dÃ©bits observÃ©s pour des prÃ©visions hydrologiques probabilistes sur la France. Houille Blanche, 2011, 97, 87-90.	0.3	0
86	Mechanical Properties of Spray-Formed Composite Structures. , 1998, , .		0
87	Mapping Kernels Between Rooted Labeled Trees Beyond Ordered Trees. Lecture Notes in Computer Science, 2015, , 317-330.	1.0	0
88	Fluorescence Quenching in Mixed Semiconductor Noble Metal Assemblies. , 0, , .		0
89	Uncertainty propagation in a modelling chain of climate change impact for a representative French drainage site. Hydrological Sciences Journal, 2023, 68, 1426-1442.	2.7	0
90	REPRODUCTIVE PERFORMANCE OF FRIESIAN BULLS DMINISTRATED WITH SELENOMETHIONINE, ZINC METHIONINE OR THEIR OMBINATION. Egyptian Journal of Nutrition and Feeds, 2023, 26, 1-13.	0.2	0

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91	Évolution du manteau neigeux pendant la sécheresse de 2022 en France. LHB Hydroscience Journal, 0, , .	0.6	0
92	Does a convection-permitting regional climate model bring new perspectives on the projection of Mediterranean floods?. Natural Hazards and Earth System Sciences, 2024, 24, 1163-1183.	3.7	0
93	„O dass kein Fliegel mich vom Boden hebt“: Gang und Blick als Figuren der Überschreitung in Goethes Dichtung (Werthers Leiden, Hermann und Dorothea, Wahlverwandtschaften, Faust). , 2020, , 3-30.		0
94	Comparison of electrocardiogram (ECG) signals between a wearable ambulatory ECG device and a standard 12-lead ECG monitor. Journal of Electrocardiology, 2024, 84, 33.	1.0	0
95	„Kappen“ Geiger climate classification across France based on an ensemble of high-resolution climate projections. Comptes Rendus - Geoscience, 2024, 356, 67-82.	1.2	0
96	Molecular identification of root-knot nematodes (Meloidogyne spp.) of tomato at Gazipur district in Bangladesh. Bangladesh Journal of Agriculture, 2024, 49, 136-140.	0.2	0
97	Benefits of upstream data for downstream streamflow forecasting: data assimilation in a semi-distributed flood forecasting model. LHB Hydroscience Journal, 0, , .	0.6	0