

# Bart Rogiers

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

422  
citations

1163117

8  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient posterior exploration of a high-dimensional groundwater model from two-stage Markov chain Monte Carlo simulation and polynomial chaos expansion. <i>Water Resources Research</i> , 2013, 49, 2664-2682.	4.2	201
2	A critical review of laboratory and in-situ hydraulic conductivity measurements for the Boom Clay in Belgium. <i>Applied Clay Science</i> , 2013, 75-76, 1-12.	5.2	60
3	Estimation of Hydraulic Conductivity and Its Uncertainty from Grain-Size Data Using GLUE and Artificial Neural Networks. <i>Mathematical Geosciences</i> , 2012, 44, 739-763.	2.4	39
4	Determination of <sup>137</sup> Cs contamination depth distribution in building structures using geostatistical modeling of ISOCS measurements. <i>Applied Radiation and Isotopes</i> , 2013, 79, 25-36.	1.5	13
5	Episodic activity of a dormant fault in tectonically stable Europe: The Rauw fault (NE Belgium). <i>Tectonophysics</i> , 2017, 699, 146-163.	2.2	12
6	Bayesian inversion of a CRN depth profile to infer Quaternary erosion of the northwestern Campine Plateau (NE Belgium). <i>Earth Surface Dynamics</i> , 2017, 5, 331-345.	2.4	12
7	Multi-scale aquifer characterization and groundwater flow model parameterization using direct push technologies. <i>Environmental Earth Sciences</i> , 2014, 72, 1303-1324.	2.7	11
8	High-resolution saturated hydraulic conductivity logging of borehole cores using air permeability measurements. <i>Hydrogeology Journal</i> , 2014, 22, 1345-1358.	2.1	10
9	The usefulness of outcrop analogue air permeameter measurements for analyzing aquifer heterogeneity: quantifying outcrop hydraulic conductivity and its spatial variability. <i>Hydrological Processes</i> , 2014, 28, 5176-5188.	2.6	9
10	The usefulness of outcrop-analogue air-permeameter measurements for analysing aquifer heterogeneity: testing outcrop hydrogeological parameters with independent borehole data. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 5155-5166.	4.9	8
11	Model-based classification of CPT data and automated lithostratigraphic mapping for high-resolution characterization of a heterogeneous sedimentary aquifer. <i>PLoS ONE</i> , 2017, 12, e0176656.	2.5	8
12	Towards a scientific-based assessment of long-term durability and performance of cementitious materials for radioactive waste conditioning and disposal. <i>Journal of Nuclear Materials</i> , 2021, 557, 153201.	2.7	8
13	Bayesian inference of 1D activity profiles from segmented gamma scanning of a heterogeneous radioactive waste drum. <i>Applied Radiation and Isotopes</i> , 2021, 175, 109803.	1.5	7
14	Metrology for decommissioning nuclear facilities: Partial outcomes of joint research project within the European Metrology Research Program. <i>Applied Radiation and Isotopes</i> , 2018, 134, 351-357.	1.5	6
15	Soil radioactivity-depth profiles from regularized inversion of borehole gamma spectrometry data. <i>Journal of Environmental Radioactivity</i> , 2022, 243, 106807.	1.7	5
16	Demonstrating large-scale cooling in a Variscan terrane by coupled groundwater and heat flow modelling. <i>Geothermics</i> , 2014, 51, 71-90.	3.4	4
17	Development of a user-friendly guideline for data analysis and sampling design strategy. <i>EPJ Nuclear Sciences &amp; Technologies</i> , 2020, 6, 16.	0.7	4
18	INSIDER UC2: the BR3 biological shield preliminary results and future work. <i>EPJ Nuclear Sciences &amp; Technologies</i> , 2020, 6, 14.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Exploring the hydrological effects of normal faults at the boundary of the Roer Valley Graben in Belgium using a catchment-scale groundwater flow model. Hydrogeology Journal, 0, , 1.	2.1	1