

# Petrus Hajm Van Gelder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2394870/publications.pdf>

Version: 2024-02-01

205  
papers

4,781  
citations

109137

35  
h-index

123241

61  
g-index

224  
all docs

224  
docs citations

224  
times ranked

3813  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Risk Quantification Model and Validation Based on Large-Scale Dutch Test Events. International Journal of Environmental Research and Public Health, 2022, 19, 7238.	1.2	0
2	Estimating loss of life caused by dam breaches based on the simulation of floods routing and evacuation potential of population at risk. Journal of Hydrology, 2022, 612, 128059.	2.3	24
3	Towards real-time ship collision risk analysis: An improved R-TCR model considering target ship motion uncertainty. Reliability Engineering and System Safety, 2022, 226, 108650.	5.1	8
4	Comparison of Methodologies Used in Homicide Investigations to Collect, Prioritize, and Eliminate Persons of Interest: A Case Study of Three Dutch Real-World Homicide Cases. Policing (Oxford), 2021, 14, 1166-1181.	0.9	2
5	Towards a probabilistic model for estimation of grounding accidents in fluctuating backwater zone of the Three Gorges Reservoir. Reliability Engineering and System Safety, 2021, 205, 107239.	5.1	33
6	Interval Analysis of the Loss of Life Caused by Dam Failure. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	38
7	Reliability assessment of the vertical well system subjected to erosion and tubing failure. Ships and Offshore Structures, 2021, 16, 127-134.	0.9	3
8	Safe by Design Regulation for Academic Experimentation and Value Conflicts: An Exploration of Solution Directions. International Journal of Environmental Research and Public Health, 2021, 18, 1554.	1.2	1
9	Efficient method using Whale Optimization Algorithm for reliability-based design optimization of labyrinth spillway. Applied Soft Computing Journal, 2021, 101, 107036.	4.1	36
10	An ISM Modeling of Barriers for Blockchain/Distributed Ledger Technology Adoption in Supply Chains towards Cybersecurity. Sustainability, 2021, 13, 4672.	1.6	37
11	Safe-by-Design in Engineering: An Overview and Comparative Analysis of Engineering Disciplines. International Journal of Environmental Research and Public Health, 2021, 18, 6329.	1.2	12
12	A comprehensive statistical investigation framework for characteristics and causes analysis of ship accidents: A case study in the fluctuating backwater area of Three Gorges Reservoir region. Ocean Engineering, 2021, 229, 108981.	1.9	21
13	A Bibliometric and Visualized Overview for the Evolution of Process Safety and Environmental Protection. International Journal of Environmental Research and Public Health, 2021, 18, 5985.	1.2	22
14	A novel fuzzy Bayesian network-based MADM model for offshore wind turbine selection in busy waterways: An application to a case in China. Renewable Energy, 2021, 172, 897-917.	4.3	18
15	Bayesian network model to distinguish between intentional attacks and accidental technical failures: a case study of floodgates. Cybersecurity, 2021, 4, .	3.1	6
16	Review and assessment of different perspectives of vehicle-pedestrian conflicts and crashes: Passive and active analysis approaches. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 681-702.	2.0	19
17	Probabilistic Assessment for the Capacity of Gate- and Curb-Opening Inlets during Floods. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, 04021048.	0.6	3
18	Disentangling the effects of unobserved factors on seatbelt use choices in multi-occupant vehicles. Journal of Choice Modelling, 2021, 41, 100324.	1.2	7

#	ARTICLE	IF	CITATIONS
19	What Employees Do Today Because of Their Experience Yesterday: How Incidental Learning Influences Train Driver Behavior and Safety Margins (A Big Data Analysis). <i>Safety</i> , 2021, 7, 2.	0.9	1
20	Analysis of the occurrence and severity of vehicle-pedestrian conflicts in marked and unmarked crosswalks through naturalistic driving study. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 76, 178-192.	1.8	27
21	Time-varying Risk Measurement for Ship Collision Prevention. <i>Risk Analysis</i> , 2020, 40, 24-42.	1.5	48
22	Ship collision avoidance methods: State-of-the-art. <i>Safety Science</i> , 2020, 121, 451-473.	2.6	248
23	BN-SLIM: A Bayesian Network methodology for human reliability assessment based on Success Likelihood Index Method (SLIM). <i>Reliability Engineering and System Safety</i> , 2020, 193, 106647.	5.1	39
24	An integration of human factors into quantitative risk analysis using Bayesian Belief Networks towards developing a "QRA+™". <i>Safety Science</i> , 2020, 122, 104514.	2.6	23
25	An improved time discretized non-linear velocity obstacle method for multi-ship encounter detection. <i>Ocean Engineering</i> , 2020, 196, 106718.	1.9	36
26	Getting the Perpetrator Incorporated and Prioritized in Homicide Investigations: The Development and Evaluation of a Case-Specific Element Library (C-SEL). <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6430.	1.2	0
27	Implications of Nutrient Enrichment and Related Environmental Impacts in the Pearl River Estuary, China: Characterizing the Seasonal Influence of Riverine Input. <i>Water (Switzerland)</i> , 2020, 12, 3245.	1.2	10
28	Global path planning for autonomous ship: A hybrid approach of Fast Marching Square and velocity obstacles methods. <i>Ocean Engineering</i> , 2020, 214, 107793.	1.9	50
29	An integrated methodology for the supply reliability analysis of multi-product pipeline systems under pumps failure. <i>Reliability Engineering and System Safety</i> , 2020, 204, 107185.	5.1	13
30	A ship collision avoidance system for human-machine cooperation during collision avoidance. <i>Ocean Engineering</i> , 2020, 217, 107913.	1.9	46
31	Distribution and source assessment of polycyclic aromatic hydrocarbons levels from Lake IJssel (the) Tj ETQq1 1 0.784314 rgBT /Over 1.3	1.3	3
32	Towards generalized ship's manoeuvre models based on real time simulation results in port approach areas. <i>Ocean Engineering</i> , 2020, 209, 107476.	1.9	15
33	An innovative methodology for establishing societal life risk criteria for dams: A case study to reservoir dam failure events in China. <i>International Journal of Disaster Risk Reduction</i> , 2020, 49, 101663.	1.8	24
34	A decision support method for design and operationalization of search and rescue in maritime emergency. <i>Ocean Engineering</i> , 2020, 207, 107399.	1.9	38
35	Ranking uncertainty: Wave climate variability versus model uncertainty in probabilistic assessment of coastline change. <i>Coastal Engineering</i> , 2020, 158, 103673.	1.7	28
36	Solutions for Mitigating Cybersecurity Risks Caused by Legacy Software in Medical Devices: A Scoping Review. <i>IEEE Access</i> , 2020, 8, 84352-84361.	2.6	12

#	ARTICLE	IF	CITATIONS
37	Field analysis of PAHs in surface sediments of the Pearl River Estuary and their environmental impacts. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10925-10938.	2.7	14
38	Collision risk measure for triggering evasive actions of maritime autonomous surface ships. <i>Safety Science</i> , 2020, 127, 104708.	2.6	48
39	Economic risk criteria for dams considering the relative level of economy and industrial economic contribution. <i>Science of the Total Environment</i> , 2020, 725, 138139.	3.9	29
40	Collision Avoidance Systems for Maritime Autonomous Surface Ships Considering Uncertainty in Ship Dynamics. <i>IFAC-PapersOnLine</i> , 2020, 53, 14614-14619.	0.5	2
41	Statistical Analysis of the Characteristics of Ship Accidents for Chongqing Maritime Safety Administration District. , 2020, , .		3
42	Modeling human-like decision-making for inbound smart ships based on fuzzy decision trees. <i>Expert Systems With Applications</i> , 2019, 115, 172-188.	4.4	47
43	A systemic hazard analysis and management process for the concept design phase of an autonomous vessel. <i>Reliability Engineering and System Safety</i> , 2019, 191, 106584.	5.1	65
44	Combining Bayesian Networks and Fishbone Diagrams to Distinguish Between Intentional Attacks and Accidental Technical Failures. <i>Lecture Notes in Computer Science</i> , 2019, , 31-50.	1.0	3
45	Multi-attribute decision-making method for prioritizing maritime traffic safety influencing factors of autonomous shipsâ€™ maneuvering decisions using grey and fuzzy theories. <i>Safety Science</i> , 2019, 120, 323-340.	2.6	62
46	An initial evaluation framework for the design and operational use of maritime STAMP-based safety management systems. <i>WMU Journal of Maritime Affairs</i> , 2019, 18, 451-476.	1.4	5
47	Integration of individual encounter information into causation probability modelling of ship collision accidents. <i>Safety Science</i> , 2019, 120, 636-651.	2.6	22
48	Influence of environmental factors on human-like decision-making for intelligent ship. <i>Ocean Engineering</i> , 2019, 186, 106060.	1.9	30
49	Probabilistic risk analysis for ship-ship collision: State-of-the-art. <i>Safety Science</i> , 2019, 117, 108-122.	2.6	153
50	Probabilistic downtime estimation for sequential marine operations. <i>Applied Ocean Research</i> , 2019, 86, 257-267.	1.8	5
51	Wanting it all â€” public perceptions of the effectiveness, cost, and privacy of surveillance technology. <i>Journal of Information Communication and Ethics in Society</i> , 2019, 18, 10-27.	1.0	5
52	Predicting the Offender: Frequency versus Bayes. , 2019, , .		0
53	A fuzzy evidential reasoning based approach for submarine power cable routing selection for offshore wind farms. <i>Ocean Engineering</i> , 2019, 193, 106616.	1.9	19
54	Grey Relational Analysis of Environmental Influencing Factors of Autonomous Shipsâ€™ Maneuvering Decision-Making. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	A Method for Fast Evaluation of Potential Consequences of Dam Breach. <i>Water (Switzerland)</i> , 2019, 11, 2224.	1.2	23
56	How Cognitive Biases Influence the Data Verification of Safety Indicators: A Case Study in Rail. <i>Safety</i> , 2019, 5, 69.	0.9	1
57	Generalized velocity obstacle algorithm for preventing ship collisions at sea. <i>Ocean Engineering</i> , 2019, 173, 142-156.	1.9	143
58	Spatial Vulnerability of Network Systems under Spatially Local Hazards. <i>Risk Analysis</i> , 2019, 39, 162-179.	1.5	7
59	Measuring Ship Collision Risk in a Dense Traffic Environment. <i>TransNav</i> , 2019, 13, 737-744.	0.3	2
60	Integration of Elliptical Ship Domains and Velocity Obstacles for Ship Collision Candidate Detection. <i>TransNav</i> , 2019, 13, 751-758.	0.3	5
61	QUANTIFICATION OF MODEL UNCERTAINTY IN LIFETIME PREDICTIONS OF NOURISHMENTS. , 2019, , .		0
62	Velocity obstacle algorithms for collision prevention at sea. <i>Ocean Engineering</i> , 2018, 151, 308-321.	1.9	115
63	Stress tests for a road network using fragility functions and functional capacity loss functions. <i>Reliability Engineering and System Safety</i> , 2018, 173, 78-93.	5.1	16
64	Dynamics of polycyclic aromatic hydrocarbons (PAHs) in water column of Pearl River estuary (China): Seasonal pattern, environmental fate and source implication. <i>Applied Geochemistry</i> , 2018, 90, 39-49.	1.4	53
65	Impacts of historical records on extreme flood variations over the conterminous United States. <i>Journal of Flood Risk Management</i> , 2018, 11, .	1.6	6
66	Regional scale rainfall-runoff modeling using VARX-MGARCH approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 999-1016.	1.9	13
67	Vulnerability of industrial plants to flood-induced natechs: A Bayesian network approach. <i>Reliability Engineering and System Safety</i> , 2018, 169, 403-411.	5.1	77
68	Properties of geogrid-reinforced marine slope due to the groundwater level changes. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 735-748.	1.2	17
69	Frequency Analysis of Storm-Surge-Induced Flooding for the Huangpu River in Shanghai, China. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 70.	1.2	15
70	Ship collision candidate detection method: A velocity obstacle approach. <i>Ocean Engineering</i> , 2018, 170, 186-198.	1.9	112
71	Risk-Based Decision-Making for Evacuation in Case of Imminent Threat of Flooding. <i>Water (Switzerland)</i> , 2018, 10, 1429.	1.2	13
72	Physical Limitation of Phytoplankton Dynamics in Coastal Waters. <i>Journal of Coastal Research</i> , 2017, 331, 88-95.	0.1	3

#	ARTICLE	IF	CITATIONS
73	A multi-criteria decision making approach to security assessment of hazardous facilities. Journal of Loss Prevention in the Process Industries, 2017, 48, 234-243.	1.7	32
74	Bayesian Network Models in Cyber Security: A Systematic Review. Lecture Notes in Computer Science, 2017, , 105-122.	1.0	25
75	Fragility assessment of chemical storage tanks subject to floods. Chemical Engineering Research and Design, 2017, 111, 75-84.	2.7	46
76	Impact of dams on flood occurrence of selected rivers in the United States. Frontiers of Earth Science, 2017, 11, 268-282.	0.9	29
77	Deriving Proper Uniform Priors for Regression Coefficients, Parts I, II, and III. Entropy, 2017, 19, 250.	1.1	1
78	Inquiry Calculus and the Issue of Negative Higher Order Informations. Entropy, 2017, 19, 622.	1.1	1
79	Deriving proper uniform priors for regression coefficients, part II. AIP Conference Proceedings, 2017, , .	0.3	0
80	Integrated Safety and Security Risk Assessment Methods: A Survey of Key Characteristics and Applications. Lecture Notes in Computer Science, 2017, , 50-62.	1.0	26
81	An outline of the Bayesian decision theory. AIP Conference Proceedings, 2016, , .	0.3	0
82	The Influence of Statistical Uncertainty in the Hydraulic Boundary Conditions on the Probabilistically Computed High Water Level Frequency Curve in the Rhine Delta. Water (Switzerland), 2016, 8, 147.	1.2	0
83	A Risk Analysis for Asset Management Considering Climate Change. Transportation Research Procedia, 2016, 14, 105-114.	0.8	3
84	Bayesian decision theory: A simple toy problem. AIP Conference Proceedings, 2016, , .	0.3	0
85	A New Quantitative Method for Studying the Vulnerability of Civil Aviation Network System to Spatially Localized Hazards. International Journal of Disaster Risk Science, 2016, 7, 245-256.	1.3	7
86	Comparison of empirical statistical methods for downscaling daily climate projections from CMIP5 GCMs: a case study of the Huai River Basin, China. International Journal of Climatology, 2016, 36, 145-164.	1.5	48
87	Physical control of phytoplankton bloom development in the coastal waters of Jiangsu (China). Ecological Modelling, 2016, 321, 75-83.	1.2	13
88	Imminent ships collision risk assessment based on velocity obstacle. , 2016, , 693-700.		2
89	Visualizing and gauging collision risk. , 2016, , 2877-2883.		2
90	Linking Three Gorges Dam and downstream hydrological regimes along the Yangtze River, China. Earth and Space Science, 2015, 2, 94-106.	1.1	80

#	ARTICLE	IF	CITATIONS
91	Multi-criteria optimization framework for road infrastructures under different scenario of climate change. , 2015, , .		2
92	AN IDEALIZED METEOROLOGICAL-HYDRODYNAMIC MODEL FOR EXPLORING EXTREME STORM SURGE STATISTICS IN THE NORTH SEA. Coastal Engineering Proceedings, 2015, 1, 21.	0.1	1
93	Probabilistic analysis of phytoplankton biomass at the Frisian Inlet (NL). Estuarine, Coastal and Shelf Science, 2015, 155, 29-37.	0.9	9
94	Risk-Averse Economic Optimization in the Adaptation of River Dikes to Climate Change. Water Resources Management, 2015, 29, 359-377.	1.9	3
95	Risk-based optimization of land reclamation. Reliability Engineering and System Safety, 2015, 144, 193-203.	5.1	13
96	Statistical analysis of phytoplankton biomass in coastal waters: Case study of the Wadden Sea near Lauwersoog (The Netherlands) from 2000 to 2009. Ecological Informatics, 2015, 30, 12-19.	2.3	12
97	Flood Defence Reliability Analysis. , 2014, , 270-296.		0
98	Incorporating set-up into LRFD method for drilled shafts. Georisk, 2014, 8, 81-91.	2.6	2
99	When Counting is Not Enough: Limitations of NSA's Effectiveness Assessment of Surveillance Technology. , 2014, , .		0
100	Probabilistic estimation of coastal dune erosion and recession by statistical simulation of storm events. Applied Ocean Research, 2014, 47, 53-62.	1.8	25
101	Application of a fast stochastic storm surge model on estimating the high water level frequency in the Lower Rhine Delta. Natural Hazards, 2014, 73, 743-759.	1.6	5
102	The dichotomous Markov process with nonparametric test application; a decision support method in long-term river behavioural analysis: the Zayandeh Rud River; a case study from central Iran. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1889-1896.	1.9	8
103	Probabilistic modelling of extreme storms along the Dutch coast. Coastal Engineering, 2014, 86, 1-13.	1.7	77
104	The probabilistic assessment of overtopping reliability on Akyayik dam. KSCE Journal of Civil Engineering, 2013, 17, 1810-1819.	0.9	7
105	Probabilistic modeling of wave climate and predicting dune erosion. Journal of Coastal Research, 2013, 65, 760-765.	0.1	12
106	Bayesian logistic regression analysis. , 2013, , .		1
107	Predicting peak breach discharge due to embankment dam failure. Journal of Hydroinformatics, 2013, 15, 1361-1376.	1.1	10
108	Risk-Based Maintenance of a Cross-Country Petroleum Pipeline System. Journal of Pipeline Systems Engineering and Practice, 2013, 4, 141-148.	0.9	25

#	ARTICLE	IF	CITATIONS
109	A note on the length, measured along fixed orientations, of a path connecting any two points relative to their straight line distance. <i>Statistica Neerlandica</i> , 2013, 67, 181-189.	0.9	0
110	Risk approach to land reclamation: Feasibility of a polder terminal. , 2013, , 2507-2514.		1
111	A joint probability approach using a 1-D hydrodynamic model for estimating high water level frequencies in the Lower Rhine Delta. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 1841-1852.	1.5	21
112	Mean Normalized Force Computation for Different Types of Obstacles due to Dam Break Using Statistical Techniques. <i>Water (Switzerland)</i> , 2013, 5, 560-577.	1.2	7
113	Uplift model for the Red River dikes of Vietnam. , 2013, , 311-316.		0
114	Quantitative modeling of organizational resilience for Dutch emergency response safety regions. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2012, 226, 666-676.	0.6	8
115	Design for acceptable risk in transportation pipelines. <i>International Journal of Risk Assessment and Management</i> , 2012, 16, 112.	0.2	11
116	The Effect of the 18.6-Year Lunar Nodal Cycle on Regional Sea-Level Rise Estimates. <i>Journal of Coastal Research</i> , 2012, 280, 511-516.	0.1	56
117	An insight in spatial corrosion prediction. <i>International Journal of Pressure Vessels and Piping</i> , 2012, 95, 16-23.	1.2	2
118	Influence of a Storm Surge Barrier's Operation on the Flood Frequency in the Rhine Delta Area. <i>Water (Switzerland)</i> , 2012, 4, 474-493.	1.2	18
119	IMPACT ASSESSMENT OF EXTREME STORM EVENTS USING A BAYESIAN NETWORK. <i>Coastal Engineering Proceedings</i> , 2012, 1, 4.	0.1	7
120	Quantitative fault tree analysis for urban water infrastructure flooding. <i>Structure and Infrastructure Engineering</i> , 2011, 7, 809-821.	2.0	37
121	Decision Analysis Framework for Risk Management of Crude Oil Pipeline System. <i>Advances in Decision Sciences</i> , 2011, 2011, 1-17.	1.4	8
122	Oil Pollution in the Arctic: Risks and Mitigating Measures With Reference to the Deepwater Horizon Accident. , 2011, , .		1
123	Computational intelligence methods for the efficient reliability analysis of complex flood defence structures. <i>Structural Safety</i> , 2011, 33, 64-73.	2.8	27
124	Dynamic bounds coupled with Monte Carlo simulations. <i>Reliability Engineering and System Safety</i> , 2011, 96, 278-285.	5.1	14
125	DERIVING PROPER UNIFORM PRIORS FOR REGRESSION COEFFICIENTS. , 2011, , .		2
126	A Concise Equation That Captures the Essential Elements of One-Way Sensitivity Analyses in Health Economic Models. <i>Medical Decision Making</i> , 2011, 31, 642-649.	1.2	1



#	ARTICLE	IF	CITATIONS
127	Estimation of failure rates of crude product pipelines. , 2011, , 1741-1747.		5
128	On risk-based geotechnical site investigation of flood defenses. , 2011, , 1700-1708.		1
129	Supporting New Insight in Pipeline Hydrodynamics Using Stochastic Approaches on External Corrosion Damage. , 2010, , .		0
130	Stochastic methods for safety assessment of the flood defense system in the Scheldt Estuary of the Netherlands. Natural Hazards, 2010, 55, 123-144.	1.6	7
131	Success of frozen embryo transfer: Does the type of gonadotropin influence the outcome?. International Journal of Women's Health, 2010, 2, 89.	1.1	2
132	Application of the dynamic bounds method in the safety assessment of flood defences, a case study: 17th Street flood wall, New Orleans. Georisk, 2010, 4, 157-173.	2.6	6
133	Effect of urinary versus recombinant FSH on clinical outcomes after frozen-thawed embryo transfers: a systematic review. Reproductive BioMedicine Online, 2010, 21, 151-158.	1.1	5
134	Risk assessment of natural hazards with applications to landslides and abnormal waves. , 2010, , 85-98.		0
135	HYDRODYNAMIC LOADINGS OF BUILDINGS IN FLOODS. , 2009, , .		4
136	Fault tree analysis for urban flooding. Water Science and Technology, 2009, 59, 1621-1629.	1.2	12
137	Time-dependent reliability analysis of flood defences. Reliability Engineering and System Safety, 2009, 94, 1942-1953.	5.1	31
138	Uncertainty assessment via Bayesian revision of ensemble streamflow predictions in the operational river Rhine forecasting system. Water Resources Research, 2009, 45, .	1.7	64
139	Risk-based design of sewer system rehabilitation. Structure and Infrastructure Engineering, 2009, 5, 215-227.	2.0	19
140	Coastal Protection Strategies for the Red River Delta. Journal of Coastal Research, 2009, 251, 105-116.	0.1	20
141	RELIABILITY- AND RISK- BASED DESIGN OF COASTAL FLOOD DEFENCES. , 2009, , .		3
142	Safety of historical stone arch bridges. , 2009, , .		41
143	REDUCING UNCERTAINTY IN PREDICTION OF DUNE EROSION DURING EXTREME CONDITIONS. , 2009, , .		0
144	SHORT-TERM STATISTICS OF 10,000,000 WAVES OBSERVED BY BUOYS. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
145	COMPARISON OF COASTAL FLOODING PROBABILITY CALCULATION MODELS FOR FLOOD DEFENCES. , 2009, , .		0
146	PROBABILISTIC DESIGN AND RELIABILITY ANALYSIS OF COASTAL STRUCTURES-A VIETNAM CASE. , 2009, , .		0
147	Distribution functions of extreme sea waves and river discharges. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 280-291.	0.7	15
148	Evaluation of Superelevation in Open Channel Bends with Probabilistic Analysis Methods. , 2008, , .		0
149	Risk- and Simulation-Based Optimization of Channel Depths: Entrance Channel of Cam Pha Coal Port. Simulation, 2008, 84, 41-55.	1.1	18
150	Data management of extreme marine and coastal hydro-meteorological events. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 191-210.	0.7	82
151	The importance of statistical uncertainties in selecting appropriate methods for estimation of extremes. International Journal of River Basin Management, 2008, 6, 99-107.	1.5	4
152	Improved methods for modelling drinking water treatment in quantitative microbial risk assessment; a case study of Campylobacter reduction by filtration and ozonation. Journal of Water and Health, 2008, 6, 301-314.	1.1	26
153	The Effects of Dynamical Noises on the Identification of Chaotic Systems: With Application to Streamflow Processes. , 2008, , .		2
154	Probability Distribution of Peaks for Nonlinear Combination of Vector Gaussian Loads. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.0	1
155	Detecting changes in extreme precipitation and extreme streamflow in the Dongjiang River Basin in southern China. Hydrology and Earth System Sciences, 2008, 12, 207-221.	1.9	125
156	Robust detection of discordant sites in regional frequency analysis. Water Resources Research, 2007, 43, .	1.7	21
157	Detecting long-memory: Monte Carlo simulations and application to daily streamflow processes. Hydrology and Earth System Sciences, 2007, 11, 851-862.	1.9	30
158	Sicherheitsbeurteilung historischer Steinbogenbrücken. Mauerwerk, 2007, 11, 186-189.	0.2	8
159	Estimating joint tail probabilities of river discharges through the logistic copula. Environmetrics, 2007, 18, 621-631.	0.6	6
160	Extreme value distributions for nonlinear transformations of vector Gaussian processes. Probabilistic Engineering Mechanics, 2007, 22, 136-149.	1.3	9
161	PROBABILISTIC ANALYSIS OF TYPHOON INDUCED HYDRAULIC BOUNDARY CONDITIONS FOR SUO-NADA BAY. , 2007, , .		0
162	Testing for nonlinearity of streamflow processes at different timescales. Journal of Hydrology, 2006, 322, 247-268.	2.3	79

#	ARTICLE	IF	CITATIONS
163	Forecasting daily streamflow using hybrid ANN models. Journal of Hydrology, 2006, 324, 383-399.	2.3	229
164	Fatigue damage in randomly vibrating jack-up platforms under non-Gaussian loads. Applied Ocean Research, 2006, 28, 407-419.	1.8	21
165	Time-Variant Reliability Analysis for Series Systems With Log-Normal Vector Response. , 2006, , 747-759.		3
166	STATISTICAL ESTIMATION METHODS FOR EXTREME HYDROLOGICAL EVENTS. , 2006, , 199-252.		8
167	WORKING GROUPS CONCLUSIONS AND RECOMMENDATIONS. , 2006, , 457-478.		0
168	Evaluation of tunnel safety: towards an economic safety optimum. Reliability Engineering and System Safety, 2005, 90, 217-228.	5.1	39
169	Special issue ESREL 2003. Reliability Engineering and System Safety, 2005, 90, 121-122.	5.1	0
170	Modelling of extreme wave heights and periods through copulas. Extremes, 2005, 8, 345-356.	0.5	60
171	Testing and modelling autoregressive conditional heteroskedasticity of streamflow processes. Nonlinear Processes in Geophysics, 2005, 12, 55-66.	0.6	88
172	Criteria for Acceptable Risk in the Netherlands. , 2005, , 143-157.		13
173	COPULA APPROACH FOR FLOOD PROBABILITY ANALYSIS OF THE HUANGPU RIVER DURING BARRIER CLOSURE. , 2005, , .		1
174	JOINT PROBABILITY DISTRIBUTIONS FOR WAVE HEIGHT, WIND SETUP AND WIND SPEED. , 2005, , .		1
175	A new risk-based design approach for hydraulic engineering. Journal of Risk Research, 2004, 7, 581-597.	1.4	6
176	A framework for risk criteria for critical infrastructures: fundamentals and case studies in the Netherlands. Journal of Risk Research, 2004, 7, 569-579.	1.4	31
177	Dutch case studies of the estimation of extreme quantiles and associated uncertainty by bootstrap simulations. Environmetrics, 2004, 15, 687-699.	0.6	13
178	Joint modelling of daily maximum wind strengths through the Multivariate Burrâ€Gamma distribution. Journal of Wind Engineering and Industrial Aerodynamics, 2004, 92, 1025-1037.	1.7	9
179	Bivariate description of offshore wave conditions with physics-based extreme value statistics. Applied Ocean Research, 2004, 26, 162-170.	1.8	37
180	Uncertainties in Extreme Value Analysis and Their Effect on Load Factors. , 2004, , 163.		4

#	ARTICLE	IF	CITATIONS
181	Spectral Analysis of Caspian Level Variations. , 2004, , 527.		2
182	PREDICTABILITY OF STREAMFLOW PROCESSES OF THE YELLOW RIVER. , 2004, , 1261-1268.		2
183	Analysis of Icing Event Occurrences in the Northern Caspian Sea Based on Meteorological Satellite Data. , 2004, , .		1
184	Effectivity of Risk Management for Design & Construct Projects of Large Contractors. , 2004, , 481-487.		0
185	Probabilistic Cost Optimisation of Soil Improvement Strategies. , 2004, , 3317-3323.		0
186	Bootstrap simulations for evaluating the uncertainty associated with peaks-over-threshold estimates of extreme wind velocity. Environmetrics, 2003, 14, 27-43.	0.6	34
187	An overview of quantitative risk measures for loss of life and economic damage. Journal of Hazardous Materials, 2003, 99, 1-30.	6.5	348
188	RISK-BASED DESIGN OF LARGE-SCALE FLOOD DEFENCE SYSTEMS. , 2003, , .		25
189	Probabilistic Description of Sediment Plume Requirements at the Åresund Fixed Link Dredging Project. , 2003, , 1.		1
190	MULTI-VARIATE STATISTICS OF HYDRAULIC BOUNDARY CONDITIONS FOR THE ROTTERDAM HARBOUR EXTENSION. , 2003, , .		3
191	FLOOD RISK CALCULATED WITH DIFFERENT RISK MEASURES. , 2003, , .		3
192	RISK/PERFORMANCE FOR MULTI-ATTRIBUTE DECISION-MAKING IN COASTAL ENGINEERING. , 2003, , .		0
193	Reliability Analysis of Jack-Up Platforms Based on Fatigue Degradation. , 2002, , 265.		10
194	Bayesian Estimation of Return Periods of CSO Volumes for Decision-Making in Sewer System Management. , 2002, , 1.		4
195	Stochastic simulation of episodic soft coastal cliff recession. Coastal Engineering, 2002, 46, 159-174.	1.7	91
196	The Structural Analysis of the Block Revetment on the Dutch Dikes. , 2001, , 1991.		0
197	Bivariate Statistical Analysis of Wave Climates. , 2001, , 583.		5
198	The estimation of extreme quantiles of wind velocity using L-moments in the peaks-over-threshold approach. Structural Safety, 2001, 23, 179-192.	2.8	77

#	ARTICLE	IF	CITATIONS
199	Assessment of an L-Kurtosis-Based Criterion for Quantile Estimation. Journal of Hydrologic Engineering - ASCE, 2001, 6, 284-292.	0.8	20
200	Regional Frequency Analysis of Extreme Wave Heights: Trading Space for Time. , 2001, , 1099.		9
201	Homogeneity Aspects in Statistical Analysis of Coastal Engineering Data. , 1999, , 3215.		1
202	Bayesian Estimation of Quantiles for the Purpose of Flood Prevention. , 1999, , .		1
203	Societal Risk and the Concept of Risk Aversion. , 1997, , 45-52.		25
204	A model for the frequency of extreme river levels based on river dynamics. Structural Safety, 1996, 18, 261-276.	2.8	4
205	Optimal maintenance decisions for berm breakwaters. Structural Safety, 1996, 18, 293-309.	2.8	45