

Petrus Hajm Van Gelder

List of Publications by Year in descending order

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Version: 2024-02-01

205
papers

4,781
citations

109321

35
h-index

123424

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.	2.6	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.	5.4	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.	8.9	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.	1.4	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.	8.9	33
6	Interval Analysis of the Loss of Life Caused by Dam Failure. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	38
7	Reliability assessment of the vertical well system subjected to erosion and tubing failure. Ships and Offshore Structures, 2021, 16, 127-134.	1.9	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.	2.6	1
9	Efficient method using Whale Optimization Algorithm for reliability-based design optimization of labyrinth spillway. Applied Soft Computing Journal, 2021, 101, 107036.	7.2	36
10	An ISM Modeling of Barriers for Blockchain/Distributed Ledger Technology Adoption in Supply Chains towards Cybersecurity. Sustainability, 2021, 13, 4672.	3.2	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.	2.6	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.	4.3	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.	2.6	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.	8.9	18
15	Bayesian network model to distinguish between intentional attacks and accidental technical failures: a case study of floodgates. Cybersecurity, 2021, 4, .	4.7	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.	4.2	19
17	Probabilistic Assessment for the Capacity of Grate- and Curb-Opening Inlets during Floods. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, 04021048.	1.0	3
18	Disentangling the effects of unobserved factors on seatbelt use choices in multi-occupant vehicles. Journal of Choice Modelling, 2021, 41, 100324.	2.3	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.	1.7	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.	3.7	27
21	Time-varying Risk Measurement for Ship Collision Prevention. <i>Risk Analysis</i> , 2020, 40, 24-42.	2.7	48
22	Ship collision avoidance methods: State-of-the-art. <i>Safety Science</i> , 2020, 121, 451-473.	4.9	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.	8.9	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.	4.9	23
25	An improved time discretized non-linear velocity obstacle method for multi-ship encounter detection. <i>Ocean Engineering</i> , 2020, 196, 106718.	4.3	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.	2.6	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.	2.7	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.	4.3	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.	8.9	13
30	A ship collision avoidance system for human-machine cooperation during collision avoidance. <i>Ocean Engineering</i> , 2020, 217, 107913.	4.3	46
31	Distribution and source assessment of polycyclic aromatic hydrocarbons levels from Lake IJssel (the) Tj ETQq1 1 0.784314 rgBT /Over	2.7	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.	4.3	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.	3.9	24
34	A decision support method for design and operationalization of search and rescue in maritime emergency. <i>Ocean Engineering</i> , 2020, 207, 107399.	4.3	38
35	Ranking uncertainty: Wave climate variability versus model uncertainty in probabilistic assessment of coastline change. <i>Coastal Engineering</i> , 2020, 158, 103673.	4.0	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.	4.2	12

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37	Field analysis of PAHs in surface sediments of the Pearl River Estuary and their environmental impacts. Environmental Science and Pollution Research, 2020, 27, 10925-10938.	5.3	14
38	Collision risk measure for triggering evasive actions of maritime autonomous surface ships. Safety Science, 2020, 127, 104708.	4.9	48
39	Economic risk criteria for dams considering the relative level of economy and industrial economic contribution. Science of the Total Environment, 2020, 725, 138139.	8.0	29
40	Collision Avoidance Systems for Maritime Autonomous Surface Ships Considering Uncertainty in Ship Dynamics. IFAC-PapersOnLine, 2020, 53, 14614-14619.	0.9	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. Expert Systems With Applications, 2019, 115, 172-188.	7.6	47
43	A systemic hazard analysis and management process for the concept design phase of an autonomous vessel. Reliability Engineering and System Safety, 2019, 191, 106584.	8.9	65
44	Combining Bayesian Networks and Fishbone Diagrams to Distinguish Between Intentional Attacks and Accidental Technical Failures. Lecture Notes in Computer Science, 2019, , 31-50.	1.3	3
45	Multi-attribute decision-making method for prioritizing maritime traffic safety influencing factors of autonomous shipsâ€™ maneuvering decisions using grey and fuzzy theories. Safety Science, 2019, 120, 323-340.	4.9	62
46	An initial evaluation framework for the design and operational use of maritime STAMP-based safety management systems. WMU Journal of Maritime Affairs, 2019, 18, 451-476.	2.7	5
47	Integration of individual encounter information into causation probability modelling of ship collision accidents. Safety Science, 2019, 120, 636-651.	4.9	22
48	Influence of environmental factors on human-like decision-making for intelligent ship. Ocean Engineering, 2019, 186, 106060.	4.3	30
49	Probabilistic risk analysis for ship-ship collision: State-of-the-art. Safety Science, 2019, 117, 108-122.	4.9	153
50	Probabilistic downtime estimation for sequential marine operations. Applied Ocean Research, 2019, 86, 257-267.	4.1	5
51	Wanting it all â€“ public perceptions of the effectiveness, cost, and privacy of surveillance technology. Journal of Information Communication and Ethics in Society, 2019, 18, 10-27.	1.5	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. Ocean Engineering, 2019, 193, 106616.	4.3	19
54	Grey Relational Analysis of Environmental Influencing Factors of Autonomous Shipsâ€™ Maneuvering Decision-Making. , 2019, , .		1

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55	A Method for Fast Evaluation of Potential Consequences of Dam Breach. Water (Switzerland), 2019, 11, 2224.	2.7	23
56	How Cognitive Biases Influence the Data Verification of Safety Indicators: A Case Study in Rail. Safety, 2019, 5, 69.	1.7	1
57	Generalized velocity obstacle algorithm for preventing ship collisions at sea. Ocean Engineering, 2019, 173, 142-156.	4.3	143
58	Spatial Vulnerability of Network Systems under Spatially Local Hazards. Risk Analysis, 2019, 39, 162-179.	2.7	7
59	Measuring Ship Collision Risk in a Dense Traffic Environment. TransNav, 2019, 13, 737-744.	0.6	2
60	Integration of Elliptical Ship Domains and Velocity Obstacles for Ship Collision Candidate Detection. TransNav, 2019, 13, 751-758.	0.6	5
61	QUANTIFICATION OF MODEL UNCERTAINTY IN LIFETIME PREDICTIONS OF NOURISHMENTS. , 2019, , .		0
62	Velocity obstacle algorithms for collision prevention at sea. Ocean Engineering, 2018, 151, 308-321.	4.3	115
63	Stress tests for a road network using fragility functions and functional capacity loss functions. Reliability Engineering and System Safety, 2018, 173, 78-93.	8.9	16
64	Dynamics of polycyclic aromatic hydrocarbons (PAHs) in water column of Pearl River estuary (China): Seasonal pattern, environmental fate and source implication. Applied Geochemistry, 2018, 90, 39-49.	3.0	53
65	Impacts of historical records on extreme flood variations over the conterminous United States. Journal of Flood Risk Management, 2018, 11, .	3.3	6
66	Regional scale rainfall-runoff modeling using VARX-MGARCH approach. Stochastic Environmental Research and Risk Assessment, 2018, 32, 999-1016.	4.0	13
67	Vulnerability of industrial plants to flood-induced natechs: A Bayesian network approach. Reliability Engineering and System Safety, 2018, 169, 403-411.	8.9	77
68	Properties of geogrid-reinforced marine slope due to the groundwater level changes. Marine Georesources and Geotechnology, 2018, 36, 735-748.	2.1	17
69	Frequency Analysis of Storm-Surge-Induced Flooding for the Huangpu River in Shanghai, China. Journal of Marine Science and Engineering, 2018, 6, 70.	2.6	15
70	Ship collision candidate detection method: A velocity obstacle approach. Ocean Engineering, 2018, 170, 186-198.	4.3	112
71	Risk-Based Decision-Making for Evacuation in Case of Imminent Threat of Flooding. Water (Switzerland), 2018, 10, 1429.	2.7	13
72	Physical Limitation of Phytoplankton Dynamics in Coastal Waters. Journal of Coastal Research, 2017, 331, 88-95.	0.3	3

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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.	3.3	32
74	Bayesian Network Models in Cyber Security: A Systematic Review. Lecture Notes in Computer Science, 2017, , 105-122.	1.3	25
75	Fragility assessment of chemical storage tanks subject to floods. Chemical Engineering Research and Design, 2017, 111, 75-84.	5.6	46
76	Impact of dams on flood occurrence of selected rivers in the United States. Frontiers of Earth Science, 2017, 11, 268-282.	2.1	29
77	Deriving Proper Uniform Priors for Regression Coefficients, Parts I, II, and III. Entropy, 2017, 19, 250.	2.2	1
78	Inquiry Calculus and the Issue of Negative Higher Order Informations. Entropy, 2017, 19, 622.	2.2	1
79	Deriving proper uniform priors for regression coefficients, part II. AIP Conference Proceedings, 2017, , .	0.4	0
80	Integrated Safety and Security Risk Assessment Methods: A Survey of Key Characteristics and Applications. Lecture Notes in Computer Science, 2017, , 50-62.	1.3	26
81	An outline of the Bayesian decision theory. AIP Conference Proceedings, 2016, , .	0.4	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.	2.7	0
83	A Risk Analysis for Asset Management Considering Climate Change. Transportation Research Procedia, 2016, 14, 105-114.	1.5	3
84	Bayesian decision theory: A simple toy problem. AIP Conference Proceedings, 2016, , .	0.4	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.	2.9	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.	3.5	48
87	Physical control of phytoplankton bloom development in the coastal waters of Jiangsu (China). Ecological Modelling, 2016, 321, 75-83.	2.5	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.	2.6	80

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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.	2.1	9
94	Risk-Averse Economic Optimization in the Adaptation of River Dikes to Climate Change. Water Resources Management, 2015, 29, 359-377.	3.9	3
95	Risk-based optimization of land reclamation. Reliability Engineering and System Safety, 2015, 144, 193-203.	8.9	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.	5.2	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.	3.5	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.	4.1	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.	3.4	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.	4.0	8
103	Probabilistic modelling of extreme storms along the Dutch coast. Coastal Engineering, 2014, 86, 1-13.	4.0	77
104	The probabilistic assessment of overtopping reliability on Akyayik dam. KSCE Journal of Civil Engineering, 2013, 17, 1810-1819.	1.9	7
105	Probabilistic modeling of wave climate and predicting dune erosion. Journal of Coastal Research, 2013, 65, 760-765.	0.3	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.	2.4	10
108	Risk-Based Maintenance of a Cross-Country Petroleum Pipeline System. Journal of Pipeline Systems Engineering and Practice, 2013, 4, 141-148.	1.6	25

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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.	1.6	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.	3.6	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.	2.7	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.	0.7	8
115	Design for acceptable risk in transportation pipelines. <i>International Journal of Risk Assessment and Management</i> , 2012, 16, 112.	0.1	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.	0.3	56
117	An insight in spatial corrosion prediction. <i>International Journal of Pressure Vessels and Piping</i> , 2012, 95, 16-23.	2.6	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.	2.7	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.	3.7	37
121	Decision Analysis Framework for Risk Management of Crude Oil Pipeline System. <i>Advances in Decision Sciences</i> , 2011, 2011, 1-17.	1.2	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.	5.3	27
124	Dynamic bounds coupled with Monte Carlo simulations. <i>Reliability Engineering and System Safety</i> , 2011, 96, 278-285.	8.9	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.	2.4	1

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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.	3.4	7
131	Success of frozen embryo transfer: Does the type of gonadotropin influence the outcome?. International Journal of Women's Health, 2010, 2, 89.	2.6	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.	3.5	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.	2.4	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.	2.5	12
137	Time-dependent reliability analysis of flood defences. Reliability Engineering and System Safety, 2009, 94, 1942-1953.	8.9	31
138	Uncertainty assessment via Bayesian revision of ensemble streamflow predictions in the operational river Rhine forecasting system. Water Resources Research, 2009, 45, .	4.2	64
139	Risk-based design of sewer system rehabilitation. Structure and Infrastructure Engineering, 2009, 5, 215-227.	3.7	19
140	Coastal Protection Strategies for the Red River Delta. Journal of Coastal Research, 2009, 251, 105-116.	0.3	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

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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.	1.7	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.	1.8	18
150	Data management of extreme marine and coastal hydro-meteorological events. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 191-210.	1.7	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.	2.7	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.	2.6	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, .	1.6	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.	4.9	125
156	Robust detection of discordant sites in regional frequency analysis. Water Resources Research, 2007, 43, .	4.2	21
157	Detecting long-memory: Monte Carlo simulations and application to daily streamflow processes. Hydrology and Earth System Sciences, 2007, 11, 851-862.	4.9	30
158	Sicherheitsbeurteilung historischer Steinbogenbrücken. Mauerwerk, 2007, 11, 186-189.	0.1	8
159	Estimating joint tail probabilities of river discharges through the logistic copula. Environmetrics, 2007, 18, 621-631.	1.4	6
160	Extreme value distributions for nonlinear transformations of vector Gaussian processes. Probabilistic Engineering Mechanics, 2007, 22, 136-149.	2.7	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.	5.4	79

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163	Forecasting daily streamflow using hybrid ANN models. Journal of Hydrology, 2006, 324, 383-399.	5.4	229
164	Fatigue damage in randomly vibrating jack-up platforms under non-Gaussian loads. Applied Ocean Research, 2006, 28, 407-419.	4.1	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.	8.9	39
169	Special issue ESREL 2003. Reliability Engineering and System Safety, 2005, 90, 121-122.	8.9	0
170	Modelling of extreme wave heights and periods through copulas. Extremes, 2005, 8, 345-356.	1.0	60
171	Testing and modelling autoregressive conditional heteroskedasticity of streamflow processes. Nonlinear Processes in Geophysics, 2005, 12, 55-66.	1.3	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.	2.6	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.	2.6	31
177	Dutch case studies of the estimation of extreme quantiles and associated uncertainty by bootstrap simulations. Environmetrics, 2004, 15, 687-699.	1.4	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.	3.9	9
179	Bivariate description of offshore wave conditions with physics-based extreme value statistics. Applied Ocean Research, 2004, 26, 162-170.	4.1	37
180	Uncertainties in Extreme Value Analysis and Their Effect on Load Factors. , 2004, , 163.		4

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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.	1.4	34
187	An overview of quantitative risk measures for loss of life and economic damage. Journal of Hazardous Materials, 2003, 99, 1-30.	12.4	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
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