

Jan Laue

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

954
citations

623574

14
h-index

454834

30
g-index

55
all docs

55
docs citations

55
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Centrifuge cone penetration tests in sand. <i>Geotechnique</i> , 1999, 49, 543-552.	2.2	256
2	Fractal fragmentation of rocks within sturzstroms: insight derived from physical experiments within the ETH geotechnical drum centrifuge. <i>Granular Matter</i> , 2010, 12, 267-285.	1.1	72
3	Smear zone identification and soil properties around stone columns constructed in-flight in centrifuge model tests. <i>Geotechnique</i> , 2010, 60, 197-206.	2.2	62
4	Landfill Site Selection Using MCDM Methods and GIS in the Sulaimaniyah Governorate, Iraq. <i>Sustainability</i> , 2019, 11, 4530.	1.6	62
5	Water quality assessment along Tigris River (Iraq) using water quality index (WQI) and GIS software. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	62
6	Experimental modelling of debris flow behaviour using a geotechnical centrifuge. <i>Canadian Geotechnical Journal</i> , 2010, 47, 742-762.	1.4	52
7	Combining GIS Applications and Method of Multi-Criteria Decision-Making (AHP) for Landfill Siting in Al-Hashimiyah Qadhaa, Babylon, Iraq. <i>Sustainability</i> , 2017, 9, 1932.	1.6	48
8	Landfill sites selection using MCDM and comparing method of change detection for Babylon Governorate, Iraq. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35325-35339.	2.7	41
9	A centrifuge-based experimental verification of Soil-Structure Interaction effects. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 103, 1-14.	1.9	29
10	The ETH Zurich geotechnical drum centrifuge. <i>International Journal of Physical Modelling in Geotechnics</i> , 2001, 1, 59-70.	0.5	28
11	Three-dimensional slope stability predictions using artificial neural networks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 1988-2000.	1.7	23
12	A smoothed finite element method using second-order cone programming. <i>Computers and Geotechnics</i> , 2020, 123, 103547.	2.3	21
13	Investigation of the Mechanical Behaviour of the Interface between Soil and Reinforcement, via Experimental and Numerical Modelling. <i>Procedia Engineering</i> , 2016, 143, 419-426.	1.2	15
14	Image analyses of frost heave mechanisms based on freezing tests with free access to water. <i>Cold Regions Science and Technology</i> , 2018, 146, 187-198.	1.6	15
15	Modeling Spatial Distribution of Some Contamination within the Lower Reaches of Diyala River Using IDW Interpolation. <i>Sustainability</i> , 2018, 10, 22.	1.6	12
16	A Comparative Evaluation of Cement and By-Product Petrit T in Soil Stabilization. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5238.	1.3	11
17	Numerical Analysis of an Upstream Tailings Dam Subjected to Pond Filling Rates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6044.	1.3	11
18	Experimental Investigation of Reinforced Soil Slopes in a Geotechnical Centrifuge, with the Use of Optical Fibre Sensors. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 585-605.	0.8	10

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19	Static and dynamic rocking stiffness of shallow footings on sand: centrifuge modelling. International Journal of Physical Modelling in Geotechnics, 2018, 18, 315-339.	0.5	8
20	Amendments to Interpretations of SAAF Inclinator Data from the Furggwanghorn Rock Glacier, Turtmann Valley, Switzerland: Results from 2010 to 2012. Vadose Zone Journal, 2016, 15, 1-3.	1.3	7
21	Two Scenarios for Landfills Design in Special Conditions Using the HELP Model: A Case Study in Babylon Governorate, Iraq. Sustainability, 2018, 10, 125.	1.6	7
22	A static discrete element method with discontinuous deformation analysis. International Journal for Numerical Methods in Engineering, 2019, 120, 918-935.	1.5	7
23	A Computational Fluid Dynamics Simulation Model of Sediment Deposition in a Storage Reservoir Subject to Water Withdrawal. Water (Switzerland), 2020, 12, 959.	1.2	7
24	Mosul Dam: Is it the Most Dangerous Dam in the World?. Geotechnical and Geological Engineering, 2020, 38, 5179-5199.	0.8	7
25	Stabilization of Clayey Silt Soil Using Small Amounts of Petrit T. Engineering, 2017, 09, 540-562.	0.4	7
26	Site Selection of Aquifer Thermal Energy Storage Systems in Shallow Groundwater Conditions. Water (Switzerland), 2019, 11, 1393.	1.2	6
27	Briefing: Common laboratory procedures to prepare and cure stabilised soil specimens: a short review. Geotechnical Research, 2020, 7, 3-10.	0.8	6
28	Soil Characteristics in Selected Landfill Sites in the Babylon Governorate, Iraq. Journal of Civil Engineering and Architecture, 2017, 11, .	0.0	6
29	Landfill Final Cover Systems Design for Arid Areas Using the HELP Model: A Case Study in the Babylon Governorate, Iraq. Sustainability, 2018, 10, 4568.	1.6	5
30	Potential use of UTES in Babylon Governorate, Iraq. Groundwater for Sustainable Development, 2020, 10, 100283.	2.3	5
31	Seepage Velocity: Large Scale Mapping and the Evaluation of Two Different Aquifer Conditions (Silty) Tj ETQq1 1 0.784314 rgBT /Ove 1.3	1.3	5
32	Mechanism of thawing. Cogent Engineering, 2020, 7, 1716438.	1.1	5
33	New mitigation method for pipeline uplift during seismic event. Geotechnical Research, 2016, 3, 54-64.	0.8	4
34	Displacement-Based Seismic Analysis of Slopes, Dams and Embankments. Journal of Earthquake and Tsunami, 2016, 10, 1650005.	0.7	4
35	Non-linear rocking stiffness of embedded foundations in sand. Geotechnique, 2019, 69, 767-782.	2.2	4
36	Landfill Sitting by Two Methods in Al-Qasim, Babylon, Iraq and Comparing Them Using Change Detection Method. Engineering, 2017, 09, 723-737.	0.4	4

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37	How to avoid permafrost while depositing tailings in cold climate. Cold Regions Science and Technology, 2018, 153, 86-96.	1.6	3
38	Effect of Disintegration Times of the Homogeneity of Soil prior to Treatment. Applied Sciences (Switzerland), 2019, 9, 4791.	1.3	3
39	Classification Maps for TDS Concentrations in the GIS Along Euphrates River, Iraq. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	3
40	Geothermal study to explain man-made permafrost in tailings with raised surface. Environmental Earth Sciences, 2018, 77, 1.	1.3	2
41	A Survey on Underground Pipelines and Railway Infrastructure at Cross-Sections. , 2019, , .		2
42	Numerical Modelling of Clay Seal Maturation in Deep Boreholes with Nuclear Waste. Advances in Materials Science and Engineering, 2020, 2020, 1-15.	1.0	1
43	A numerical study of pumping effects on flow velocity distributions in Mosul Dam reservoir using the HEC-RAS model. Lakes and Reservoirs: Research and Management, 2020, 25, 72-83.	0.6	1
44	Quantitative Estimation of Municipal Solid Waste in Sulaimaniyah Governorate, Iraq. Environmental Science and Engineering, 2021, , 265-270.	0.1	1
45	Sediment control strategies for sustainable water intake. Dams and Reservoirs, 2021, 31, 21-30.	0.1	1
46	Large-scale shear test of brash ice. Ocean Engineering, 2022, 249, 110935.	1.9	1
47	Evaluating the Design Criteria for Light Embankment Piling: Timber Piles in Road and Railway Foundations. Applied Sciences (Switzerland), 2022, 12, 166.	1.3	1
48	Direct Simple Shear Tests on Swedish Tailings. Springer Series in Geomechanics and Geoengineering, 2018, , 538-541.	0.0	0
49	Effects of Void Ratio and Hydraulic Gradient on Permeability and Suffusion of Glacial Till Cores. Lecture Notes in Civil Engineering, 2019, , 98-109.	0.3	0
50	Application GIS Software to Determine the Distribution of T.D.S. Concentrations Along the Tigris River. IOP Conference Series: Earth and Environmental Science, 2021, 735, 012055.	0.2	0
51	Application ArcGIS on Modified-WQI Method to Evaluate Water Quality of the Euphrates River, Iraq, Using Physicochemical Parameters. Lecture Notes in Networks and Systems, 2022, , 657-675.	0.5	0
52	Analysis of Vibration Measurements on Moving Trains. Lecture Notes in Civil Engineering, 2020, , 139-148.	0.3	0
53	Creating the Distribution Map of Groundwater for Drinking Uses Using Physio-Chemical Variables; Case Study: Al-Hilla City, Iraq. Water, Air, and Soil Pollution, 2022, 233, .	1.1	0
54	Safeen anticline: a complicated structure and its negative impact on oil exploration, Iraqi Kurdistan Region. Arabian Journal of Geosciences, 2022, 15, .	0.6	0