

# 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	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
2	Large-scale shear test of brash ice. Ocean Engineering, 2022, 249, 110935.	1.9	1
3	Evaluating the Design Criteria for Light Embankment Piling: Timber Piles in Road and Railway Foundations. Applied Sciences (Switzerland), 2022, 12, 166.	1.3	1
4	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
5	Safeen anticline: a complicated structure and its negative impact on oil exploration, Iraqi Kurdistan Region. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
6	Quantitative Estimation of Municipal Solid Waste in Sulaimaniyah Governorate, Iraq. Environmental Science and Engineering, 2021, , 265-270.	0.1	1
7	Sediment control strategies for sustainable water intake. Dams and Reservoirs, 2021, 31, 21-30.	0.1	1
8	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
9	Numerical Analysis of an Upstream Tailings Dam Subjected to Pond Filling Rates. Applied Sciences (Switzerland), 2021, 11, 6044.	1.3	11
10	Three-dimensional slope stability predictions using artificial neural networks. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1988-2000.	1.7	23
11	Classification Maps for TDS Concentrations in the GIS Along Euphrates River, Iraq. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	3
12	Potential use of UTES in Babylon Governorate, Iraq. Groundwater for Sustainable Development, 2020, 10, 100283.	2.3	5
13	Water quality assessment along Tigris River (Iraq) using water quality index (WQI) and GIS software. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	62
14	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
15	Seepage Velocity: Large Scale Mapping and the Evaluation of Two Different Aquifer Conditions (Silty) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	3
16	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
17	Briefing: Common laboratory procedures to prepare and cure stabilised soil specimens: a short review. Geotechnical Research, 2020, 7, 3-10.	0.8	6
18	Mosul Dam: Is it the Most Dangerous Dam in the World?. Geotechnical and Geological Engineering, 2020, 38, 5179-5199.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Mechanism of thawing. Cogent Engineering, 2020, 7, 1716438.	1.1	5
20	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
21	A smoothed finite element method using second-order cone programming. Computers and Geotechnics, 2020, 123, 103547.	2.3	21
22	Analysis of Vibration Measurements on Moving Trains. Lecture Notes in Civil Engineering, 2020, , 139-148.	0.3	0
23	Site Selection of Aquifer Thermal Energy Storage Systems in Shallow Groundwater Conditions. Water (Switzerland), 2019, 11, 1393.	1.2	6
24	A static discrete element method with discontinuous deformation analysis. International Journal for Numerical Methods in Engineering, 2019, 120, 918-935.	1.5	7
25	Landfill Site Selection Using MCDM Methods and GIS in the Sulaimaniyah Governorate, Iraq. Sustainability, 2019, 11, 4530.	1.6	62
26	Landfill sites selection using MCDM and comparing method of change detection for Babylon Governorate, Iraq. Environmental Science and Pollution Research, 2019, 26, 35325-35339.	2.7	41
27	A Comparative Evaluation of Cement and By-Product Petrit T in Soil Stabilization. Applied Sciences (Switzerland), 2019, 9, 5238.	1.3	11
28	Effect of Disintegration Times of the Homogeneity of Soil prior to Treatment. Applied Sciences (Switzerland), 2019, 9, 4791.	1.3	3
29	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
30	Non-linear rocking stiffness of embedded foundations in sand. Geotechnique, 2019, 69, 767-782.	2.2	4
31	A Survey on Underground Pipelines and Railway Infrastructure at Cross-Sections. , 2019, , .		2
32	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
33	Geothermal study to explain man-made permafrost in tailings with raised surface. Environmental Earth Sciences, 2018, 77, 1.	1.3	2
34	Image analyses of frost heave mechanisms based on freezing tests with free access to water. Cold Regions Science and Technology, 2018, 146, 187-198.	1.6	15
35	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
36	Direct Simple Shear Tests on Swedish Tailings. Springer Series in Geomechanics and Geoengineering, 2018, , 538-541.	0.0	0

#	ARTICLE	IF	CITATIONS
37	Modeling Spatial Distribution of Some Contamination within the Lower Reaches of Diyala River Using IDW Interpolation. Sustainability, 2018, 10, 22.	1.6	12
38	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
39	How to avoid permafrost while depositing tailings in cold climate. Cold Regions Science and Technology, 2018, 153, 86-96.	1.6	3
40	A centrifuge-based experimental verification of Soil-Structure Interaction effects. Soil Dynamics and Earthquake Engineering, 2017, 103, 1-14.	1.9	29
41	Experimental Investigation of Reinforced Soil Slopes in a Geotechnical Centrifuge, with the Use of Optical Fibre Sensors. Geotechnical and Geological Engineering, 2017, 35, 585-605.	0.8	10
42	Combining GIS Applications and Method of Multi-Criteria Decision-Making (AHP) for Landfill Siting in Al-Hashimiyah Qadhaa, Babylon, Iraq. Sustainability, 2017, 9, 1932.	1.6	48
43	Soil Characteristics in Selected Landfill Sites in the Babylon Governorate, Iraq. Journal of Civil Engineering and Architecture, 2017, 11, .	0.0	6
44	Stabilization of Clayey Silt Soil Using Small Amounts of Petrit T. Engineering, 2017, 09, 540-562.	0.4	7
45	Landfill Siting by Two Methods in Al-Qasim, Babylon, Iraq and Comparing Them Using Change Detection Method. Engineering, 2017, 09, 723-737.	0.4	4
46	Amendments to Interpretations of SAAF Inclinator Data from the Furggwanhorn Rock Glacier, Turtmann Valley, Switzerland: Results from 2010 to 2012. Vadose Zone Journal, 2016, 15, 1-3.	1.3	7
47	Investigation of the Mechanical Behaviour of the Interface between Soil and Reinforcement, via Experimental and Numerical Modelling. Procedia Engineering, 2016, 143, 419-426.	1.2	15
48	New mitigation method for pipeline uplift during seismic event. Geotechnical Research, 2016, 3, 54-64.	0.8	4
49	Displacement-Based Seismic Analysis of Slopes, Dams and Embankments. Journal of Earthquake and Tsunami, 2016, 10, 1650005.	0.7	4
50	Fractal fragmentation of rocks within sturzstroms: insight derived from physical experiments within the ETH geotechnical drum centrifuge. Granular Matter, 2010, 12, 267-285.	1.1	72
51	Smear zone identification and soil properties around stone columns constructed in-flight in centrifuge model tests. Geotechnique, 2010, 60, 197-206.	2.2	62
52	Experimental modelling of debris flow behaviour using a geotechnical centrifuge. Canadian Geotechnical Journal, 2010, 47, 742-762.	1.4	52
53	The ETH Zurich geotechnical drum centrifuge. International Journal of Physical Modelling in Geotechnics, 2001, 1, 59-70.	0.5	28
54	Centrifuge cone penetration tests in sand. Geotechnique, 1999, 49, 543-552.	2.2	256