

# Olivier Deck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11769146/publications.pdf>

Version: 2024-02-01

16  
papers

228  
citations

1163117

8  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of building vulnerability functions in subsidence regions from empirical methods. Engineering Structures, 2009, 31, 2275-2286.	5.3	49
2	Taking the soil-structure interaction into account in assessing the loading of a structure in a mining subsidence area. Engineering Structures, 2003, 25, 435-448.	5.3	36
3	Analytical model to predict building deflections induced by ground movements. European Journal of Environmental and Civil Engineering, 2019, 23, 409-431.	2.1	21
4	An analytical model of soil-structure interaction with swelling soils during droughts. Computers and Geotechnics, 2013, 54, 16-32.	4.7	19
5	Numerical study of the soil-structure interaction within mining subsidence areas. Computers and Geotechnics, 2010, 37, 802-816.	4.7	18
6	Comparison of Building Damage Assessment Methods for Risk Analysis in Mining Subsidence Regions. Geotechnical and Geological Engineering, 2013, 31, 1073-1088.	1.7	17
7	On the topography influence on subsidence due to horizontal underground mining using the influence function method. Computers and Geotechnics, 2014, 61, 328-340.	4.7	17
8	Damage of masonry structures relative to their properties: Development of ground movement fragility curves. Engineering Structures, 2016, 113, 206-219.	5.3	10
9	Adjusting the Influence Function Method for Subsidence Prediction. Key Engineering Materials, 0, 553, 59-66.	0.4	9
10	Estimation of ground settlement beneath foundations due to shrinkage of clayey soils. Canadian Geotechnical Journal, 2012, 49, 835-852.	2.8	7
11	Using plane frame structural models to assess building damage at a large scale in a mining subsidence area. European Journal of Environmental and Civil Engineering, 2020, 24, 283-306.	2.1	7
12	Simplified probabilistic evaluation of the variability of soil-structure interaction parameters on the elastic transmission of ground movements. Engineering Structures, 2020, 213, 110554.	5.3	5
13	Charts for the mining-induced deflection of buildings. Canadian Geotechnical Journal, 2020, 57, 2020-2026.	2.8	4
14	An improved methodology for applying the influence function for subsidence hazard prediction. Georisk, 2022, 16, 347-359.	3.5	4
15	Étude de l'influence de la plasticité du sol sur la transmission des mouvements du sol affectant l'interaction sol-structure. Revue Française De Géotechnique, 2018, , 4.	0.1	3
16	Influence of geometrical uncertainties of analytical modelling on the evaluation of building deflections induced by ground movements. European Journal of Environmental and Civil Engineering, 2020, , 1-15.	2.1	2