

# Rwi Brachman

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

952  
citations

331670

21  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors affecting GCL hydration under isothermal conditions. <i>Geotextiles and Geomembranes</i> , 2011, 29, 525-533.	4.6	99
2	Field study of wrinkles in a geomembrane at a composite liner test site. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1196-1211.	2.8	74
3	Brittle rupture of an aged HPDE geomembrane at local gravel indentations under simulated field conditions. <i>Geosynthetics International</i> , 2014, 21, 1-23.	2.9	69
4	Deformations of a geosynthetic clay liner beneath a geomembrane wrinkle and coarse gravel. <i>Geotextiles and Geomembranes</i> , 2006, 24, 285-298.	4.6	53
5	GCL hydration under simulated daily thermal cycles. <i>Geosynthetics International</i> , 2011, 18, 196-205.	2.9	46
6	Antioxidant depletion of HDPE geomembrane with sand protection layer. <i>Geosynthetics International</i> , 2013, 20, 73-89.	2.9	45
7	Insight into hydraulic conductivity testing of geosynthetic clay liners (GCLs) exhumed after 5 and 7 years in a cover. <i>Canadian Geotechnical Journal</i> , 2017, 54, 1118-1138.	2.8	43
8	Geomembrane puncture and strains from stones in an underlying clay layer. <i>Geotextiles and Geomembranes</i> , 2010, 28, 335-343.	4.6	41
9	A comparison of geomembrane wrinkles for nine field cases. <i>Geosynthetics International</i> , 2012, 19, 453-469.	2.9	39
10	Observations of bentonite erosion from solar-driven moisture migration in GCLs covered only by a black geomembrane. <i>Geosynthetics International</i> , 2015, 22, 78-92.	2.9	39
11	Anisotropy and directional shrinkage of geosynthetic clay liners. <i>Geosynthetics International</i> , 2010, 17, 157-170.	2.9	34
12	Numerical investigation of transient hydration of unsaturated geosynthetic clay liners. <i>Geosynthetics International</i> , 2012, 19, 232-251.	2.9	32
13	Classification and quantification of downslope erosion from a geosynthetic clay liner (GCL) when covered only by a black geomembrane. <i>Canadian Geotechnical Journal</i> , 2015, 52, 395-412.	2.8	32
14	Effect of underliner on geomembrane strains in heap leach applications. <i>Geotextiles and Geomembranes</i> , 2013, 40, 37-47.	4.6	31
15	Thermal exposure conditions for a composite liner with a black geomembrane exposed to solar radiation. <i>Geosynthetics International</i> , 2015, 22, 93-109.	2.9	29
16	Time and temperature effects on geomembrane strain from a gravel particle subjected to sustained vertical force. <i>Canadian Geotechnical Journal</i> , 2012, 49, 249-263.	2.8	27
17	Factors affecting the down-slope erosion of bentonite in a GCL. <i>Geotextiles and Geomembranes</i> , 2014, 42, 445-456.	4.6	26
18	Chemical interaction and hydraulic performance of geosynthetic clay liners isothermally hydrated from silty sand subgrade. <i>Geotextiles and Geomembranes</i> , 2019, 47, 740-754.	4.6	26

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19	Permeability and internal erosion of a GCL beneath coarse gravel. Geosynthetics International, 2010, 17, 112-123.	2.9	25
20	Calculating local geomembrane strains from a single gravel particle with thin plate theory. Geotextiles and Geomembranes, 2018, 46, 101-110.	4.6	24
21	Buried high-density polyethylene pipe deflections at elevated temperatures. Geotextiles and Geomembranes, 2013, 40, 69-77.	4.6	23
22	Viscoplastic modelling of HDPE geomembrane local stresses and strains. Geotextiles and Geomembranes, 2020, 48, 41-51.	4.6	17
23	Calculating local geomembrane indentation strains from measured radial and vertical displacements. Geotextiles and Geomembranes, 2013, 40, 58-68.	4.6	15
24	A new laboratory apparatus for measuring leakage through geomembrane holes beneath mine tailings. Canadian Geotechnical Journal, 2017, 54, 147-157.	2.8	14
25	Geomembrane strains from wrinkle deformations. Geotextiles and Geomembranes, 2011, 29, 181-189.	4.6	12
26	Physical modelling of nonwoven/nonwoven GCL shrinkage under simulated field conditions. Geotextiles and Geomembranes, 2013, 40, 12-19.	4.6	12
27	Antioxidant depletion in high-density polyethylene pipes exposed to synthetic leachate and air. Geosynthetics International, 2011, 18, 63-73.	2.9	7
28	The impact of multi-component hypersaline wetting on soluble and exchangeable cations and water retention behaviour of MX80 bentonite. Applied Clay Science, 2019, 180, 105174.	5.2	7
29	Bentonite swelling characteristics with a hypersaline multi-component pore fluid. Canadian Geotechnical Journal, 2021, 58, 367-376.	2.8	7
30	Moisture uptake and loss of GCLs subjected to thermal cycles from silty sand subgrade. Geosynthetics International, 2023, 30, 113-128.	2.9	4