

# John L Wilson

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

1,027  
citations

17  
h-index

30  
g-index

59  
ext. papers

1,163  
ext. citations

2.8  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
57	Fabrication and stability of form-stable diatomite/paraffin phase change material composites. <i>Energy and Buildings</i> , <b>2014</b> , 76, 284-294	7	130
56	Experimental Investigation of Unreinforced Brick Masonry Walls in Flexure. <i>Journal of Structural Engineering</i> , <b>2004</b> , 130, 423-432	3	123
55	Cyclic testing of unreinforced masonry walls in two-way bending. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2007</b> , 36, 801-821	4	87
54	Time-history analysis of URM walls in out-of-plane flexure. <i>Engineering Structures</i> , <b>2003</b> , 25, 743-754	4.7	55
53	Strengthening and Repair of Reinforced Concrete Columns by Jacketing: State-of-the-Art Review. <i>Sustainability</i> , <b>2019</b> , 11, 3208	3.6	51
52	Response spectral relationships for rock sites derived from the component attenuation model. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2000</b> , 29, 1457-1489	4	43
51	Response spectrum modelling for rock sites in low and moderate seismicity regions combining velocity, displacement and acceleration predictions. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2000</b> , 29, 1491-1525	4	40
50	Seismic displacement response spectrum estimated from the frame analogy soil amplification model. <i>Engineering Structures</i> , <b>2001</b> , 23, 1437-1452	4.7	38
49	Earthquake response of tall reinforced concrete chimneys. <i>Engineering Structures</i> , <b>2003</b> , 25, 11-24	4.7	35
48	Displacement controlled rocking behaviour of rigid objects. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2011</b> , 40, 1653-1669	4	29
47	Drift performance of lightly reinforced concrete columns. <i>Engineering Structures</i> , <b>2014</b> , 59, 522-535	4.7	25
46	Seismic retrofit of exterior RC beam-column joint using diagonal haunch. <i>Engineering Structures</i> , <b>2018</b> , 174, 753-767	4.7	23
45	RC walls in Australia: reconnaissance survey of industry and literature review of experimental testing. <i>Australian Journal of Structural Engineering</i> , <b>2017</b> , 18, 24-40	1.4	22
44	A design spectrum model for flexible soil sites in regions of low-to-moderate seismicity. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2017</b> , 92, 36-45	3.5	20
43	Minimum loading requirements for areas of low seismicity. <i>Earthquake and Structures</i> , <b>2016</b> , 11, 539-561		19
42	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. <i>Journal of Structural Engineering</i> , <b>2017</b> , 143, 04016149	3	18
41	Collapse Assessment of Reinforced Concrete Building Columns through Multi-Axis Hybrid Simulation. <i>ACI Structural Journal</i> , <b>2017</b> , 114,	1.7	17

40	Bi-linear displacement response spectrum model for engineering applications in low and moderate seismicity regions. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2012</b> , 43, 85-96	3.5	15
39	Seismic performance of lightly reinforced structural walls for design purposes. <i>Magazine of Concrete Research</i> , <b>2013</b> , 65, 809-828	2	15
38	Inelastic Displacement Demand of Strength-Degraded Structures. <i>Journal of Earthquake Engineering</i> , <b>2010</b> , 14, 487-511	1.8	14
37	Collapse modelling analysis of a precast soft storey building in Australia. <i>Engineering Structures</i> , <b>2010</b> , 32, 1925-1936	4.7	14
36	Drift Performance of Point Fixed Glass Façade Systems. <i>Advances in Structural Engineering</i> , <b>2014</b> , 17, 1481-1495	1.9	12
35	RC walls in Australia: seismic design and detailing to AS 1170.4 and AS 3600. <i>Australian Journal of Structural Engineering</i> , <b>2018</b> , 19, 67-84	1.4	11
34	Force-deformation behaviour modelling of cracked reinforced concrete by EXCEL spreadsheets. <i>Computers and Concrete</i> , <b>2011</b> , 8, 43-57		11
33	A universal approach for evaluating earthquake safety level based on societal fatality risk. <i>Bulletin of Earthquake Engineering</i> , <b>2020</b> , 18, 273-296	3.7	10
32	Force-displacement behavior of limited ductile high-strength RC columns under bidirectional earthquake actions. <i>Engineering Structures</i> , <b>2020</b> , 208, 110278	4.7	9
31	Displacement-Controlled Behavior of Asymmetrical Single-Story Building Models. <i>Journal of Earthquake Engineering</i> , <b>2013</b> , 17, 902-917	1.8	9
30	Seismic load estimates of distant subduction earthquakes affecting Singapore. <i>Engineering Structures</i> , <b>2009</b> , 31, 1230-1240	4.7	9
29	Review of the torsional coupling of asymmetrical wall-frame buildings. <i>Engineering Structures</i> , <b>1997</b> , 19, 233-246	4.7	9
28	Seismic Performance Behavior of Cold-Formed Steel Wall Panels by Quasi-static Tests and Incremental Dynamic Analyses. <i>Journal of Earthquake Engineering</i> , <b>2017</b> , 21, 411-438	1.8	8
27	Overtuning of precast RC columns in conditions of moderate ground shaking. <i>Earthquake and Structures</i> , <b>2015</b> , 8, 1-18		8
26	A refined design spectrum model for regions of lower seismicity. <i>Australian Journal of Structural Engineering</i> , <b>2017</b> , 18, 3-10	1.4	7
25	Seismic assessment of cold-formed steel stud bracing wall panels using direct displacement based design approach. <i>Bulletin of Earthquake Engineering</i> , <b>2017</b> , 15, 1261-1277	3.7	7
24	The Cyclic Behaviour of Reinforced Concrete Chimney Sections with and without Openings. <i>Advances in Structural Engineering</i> , <b>2009</b> , 12, 411-420	1.9	7
23	BUILDING DUCTILITY DEMAND: INTERPLATE VERSUS INTRAPLATE EARTHQUAKES. <i>Earthquake Engineering and Structural Dynamics</i> , <b>1996</b> , 25, 965-985	4	7

22	Experimental Testing of Nonductile Reinforced Concrete Wall Boundary Elements. <i>ACI Structural Journal</i> , <b>2019</b> , 116,	1.7	7
21	Experimental testing of reinforced concrete walls in regions of lower seismicity. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , <b>2017</b> , 50, 494-503	0.5	7
20	Seismic retrofit of precast soft-storey building using diagonal steel-shape memory alloy bracing device: Numerical investigation. <i>Advances in Structural Engineering</i> , <b>2019</b> , 22, 802-817	1.9	7
19	Evaluating Self-Centering Behavior of Unbonded Prestressed Bridge Columns Using a New Performance Index Based on Quasi-Static Analysis. <i>Journal of Earthquake and Tsunami</i> , <b>2018</b> , 12, 1850001 <sup>1.1</sup>	1.1	6
18	Effects of podium interference on shear force distributions in tower walls supporting tall buildings. <i>Engineering Structures</i> , <b>2017</b> , 148, 639-659	4.7	6
17	Analytical study of point fixed glass façade systems under monotonic in-plane loading. <i>Advances in Structural Engineering</i> , <b>2016</b> , 19, 611-626	1.9	5
16	Experimental assessment of the ultimate performance and lateral drift behaviour of precast concrete building cores. <i>Advances in Structural Engineering</i> , <b>2020</b> , 23, 2597-2613	1.9	4
15	Unified Models for Post-Peak Failure Drifts of Normal- and High-Strength RC Columns. <i>Magazine of Concrete Research</i> , <b>2017</b> , 1-36	2	4
14	Collapse Performance of Limited Ductile High-Strength RC Columns under Unidirectional Cyclic Actions. <i>Journal of Structural Engineering</i> , <b>2020</b> , 146, 04020201	3	4
13	Simplified elastic design checks for torsionally balanced and unbalanced low-medium rise buildings in lower seismicity regions. <i>Earthquake and Structures</i> , <b>2016</b> , 11, 741-777		4
12	Seismic Performance Assessment of Reinforced Concrete Columns in Regions of Low to Moderate Seismicity <b>2019</b> , 269-286		3
11	Local intraplate earthquake considerations for Singapore. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2015</b> , 8, 62-70		2
10	Axial Load Variation of Columns in Symmetrical RC Buildings Subject to Bidirectional Lateral Actions in Regions of Low to Moderate Seismicity. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 1-29	1.8	2
9	Investigation into Venting and Non-venting Technologies for the Space Station Freedom Extravehicular Activity Life Support System <b>1990</b> ,		2
8	Collapse probability of soft-storey building in Australia and implications for risk-based seismic design. <i>Australian Journal of Structural Engineering</i> , <b>2020</b> , 21, 307-319	1.4	2
7	RC walls in Australia: displacement-based seismic design in accordance with AS 1170.4 and AS 3600. <i>Australian Journal of Structural Engineering</i> , <b>2021</b> , 22, 205-221	1.4	2
6	Collapse Behaviour Assessment of Precast Soft Storey Building. <i>Procedia Engineering</i> , <b>2015</b> , 125, 1036-1042		1
5	Recent Developments in the Research and Practice of Earthquake Engineering in Australia. <i>Australian Journal of Structural Engineering</i> , <b>2008</b> , 8, 13-27	1.4	1

4	Statistical analysis of material properties and recommended values for the assessment of RC structures in Australia. <i>Australian Journal of Structural Engineering</i> , <b>2021</b> , 22, 191-204	1.4	1
3	Shaking table study of a brick veneer house subjected to blast vibrations. <i>Advances in Structural Engineering</i> , <b>2016</b> , 19, 116-131	1.9	
2	Analytical modelling of podium interference on tower walls in buildings. <i>Australian Journal of Structural Engineering</i> , <b>2017</b> , 18, 238-253	1.4	
1	Discussion: Seismic performance of lightly reinforced structural walls for design purposes. <i>Magazine of Concrete Research</i> , <b>2014</b> , 66, 1073-1074	2	