John L Wilson

List of Publications by Year in Descending Order

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	RC walls in Australia: displacement-based seismic design in accordance with AS 1170.4 and AS 3600. *Australian Journal of Structural Engineering*, **2021**, 22, 205-221	1.4	2
56	Statistical analysis of material properties and recommended values for the assessment of RC structures in Australia. *Australian Journal of Structural Engineering*, **2021**, 22, 191-204	1.4	1
55	Experimental assessment of the ultimate performance and lateral drift behaviour of precast concrete building cores. *Advances in Structural Engineering*, **2020**, 23, 2597-2613	1.9	4
54	Axial Load Variation of Columns in Symmetrical RC Buildings Subject to Bidirectional Lateral Actions in Regions of Low to Moderate Seismicity. *Journal of Earthquake Engineering*, **2020**, 1-29	1.8	2
53	Force-displacement behavior of limited ductile high-strength RC columns under bidirectional earthquake actions. *Engineering Structures*, **2020**, 208, 110278	4.7	9
52	Collapse Performance of Limited Ductile High-Strength RC Columns under Unidirectional Cyclic Actions. *Journal of Structural Engineering*, **2020**, 146, 04020201	3	4
51	Collapse probability of soft-storey building in Australia and implications for risk-based seismic design. *Australian Journal of Structural Engineering*, **2020**, 21, 307-319	1.4	2
50	A universal approach for evaluating earthquake safety level based on societal fatality risk. *Bulletin of Earthquake Engineering*, **2020**, 18, 273-296	3.7	10
49	Strengthening and Repair of Reinforced Concrete Columns by Jacketing: State-of-the-Art Review. *Sustainability*, **2019**, 11, 3208	3.6	51
48	Seismic Performance Assessment of Reinforced Concrete Columns in Regions of Low to Moderate Seismicity **2019**, 269-286		3
47	Experimental Testing of Nonductile Reinforced Concrete Wall Boundary Elements. *ACI Structural Journal*, **2019**, 116,	1.7	7
46	Seismic retrofit of precast soft-storey building using diagonal steel-shape memory alloy bracing device: Numerical investigation. *Advances in Structural Engineering*, **2019**, 22, 802-817	1.9	7
45	RC walls in Australia: seismic design and detailing to AS 1170.4 and AS 3600. *Australian Journal of Structural Engineering*, **2018**, 19, 67-84	1.4	11
44	Evaluating Self-Centering Behavior of Unbonded Prestressed Bridge Columns Using a New Performance Index Based on Quasi-Static Analysis. *Journal of Earthquake and Tsunami*, **2018**, 12, 1850001	1.1	6
43	Seismic retrofit of exterior RC beam-column joint using diagonal haunch. *Engineering Structures*, **2018**, 174, 753-767	4.7	23
42	Seismic Performance Behavior of Cold-Formed Steel Wall Panels by Quasi-static Tests and Incremental Dynamic Analyses. *Journal of Earthquake Engineering*, **2017**, 21, 411-438	1.8	8
41	A refined design spectrum model for regions of lower seismicity. *Australian Journal of Structural Engineering*, **2017**, 18, 3-10	1.4	7

40	RC walls in Australia: reconnaissance survey of industry and literature review of experimental testing. *Australian Journal of Structural Engineering*, **2017**, 18, 24-40	1.4	22
39	Effects of podium interference on shear force distributions in tower walls supporting tall buildings. *Engineering Structures*, **2017**, 148, 639-659	4.7	6
38	Analytical modelling of podium interference on tower walls in buildings. *Australian Journal of Structural Engineering*, **2017**, 18, 238-253	1.4	
37	A design spectrum model for flexible soil sites in regions of low-to-moderate seismicity. *Soil Dynamics and Earthquake Engineering*, **2017**, 92, 36-45	3.5	20
36	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. *Journal of Structural Engineering*, **2017**, 143, 04016149	3	18
35	Seismic assessment of cold-formed steel stud bracing wall panels using direct displacement based design approach. *Bulletin of Earthquake Engineering*, **2017**, 15, 1261-1277	3.7	7
34	Unified Models for Post-Peak Failure Drifts of Normal- and High-Strength RC Columns. *Magazine of Concrete Research*, **2017**, 1-36	2	4
33	Collapse Assessment of Reinforced Concrete Building Columns through Multi-Axis Hybrid Simulation. *ACI Structural Journal*, **2017**, 114,	1.7	17
32	Experimental testing of reinforced concrete walls in regions of lower seismicity. *Bulletin of the New Zealand Society for Earthquake Engineering*, **2017**, 50, 494-503	0.5	7
31	Shaking table study of a brick veneer house subjected to blast vibrations. *Advances in Structural Engineering*, **2016**, 19, 116-131	1.9	
30	Minimum loading requirements for areas of low seismicity. *Earthquake and Structures*, **2016**, 11, 539-561		19
29	Simplified elastic design checks for torsionally balanced and unbalanced low-medium rise buildings in lower seismicity regions. *Earthquake and Structures*, **2016**, 11, 741-777		4
28	Analytical study of point fixed glass façade systems under monotonic in-plane loading. *Advances in Structural Engineering*, **2016**, 19, 611-626	1.9	5
27	Local intraplate earthquake considerations for Singapore. *IES Journal Part A: Civil and Structural Engineering*, **2015**, 8, 62-70		2
26	Collapse Behaviour Assessment of Precast Soft Storey Building. *Procedia Engineering*, **2015**, 125, 1036-1042		1
25	Overturning of precast RC columns in conditions of moderate ground shaking. *Earthquake and Structures*, **2015**, 8, 1-18		8
24	Fabrication and stability of form-stable diatomite/paraffin phase change material composites. *Energy and Buildings*, **2014**, 76, 284-294	7	130
23	Drift Performance of Point Fixed Glass Façade Systems. *Advances in Structural Engineering*, **2014**, 17, 1481-1495	1.9	12

22	Discussion: Seismic performance of lightly reinforced structural walls for design purposes. *Magazine of Concrete Research*, **2014**, 66, 1073-1074	2	
21	Drift performance of lightly reinforced concrete columns. *Engineering Structures*, **2014**, 59, 522-535	4.7	25
20	Seismic performance of lightly reinforced structural walls for design purposes. *Magazine of Concrete Research*, **2013**, 65, 809-828	2	15
19	Displacement-Controlled Behavior of Asymmetrical Single-Story Building Models. *Journal of Earthquake Engineering*, **2013**, 17, 902-917	1.8	9
18	Bi-linear displacement response spectrum model for engineering applications in low and moderate seismicity regions. *Soil Dynamics and Earthquake Engineering*, **2012**, 43, 85-96	3.5	15
17	Displacement controlled rocking behaviour of rigid objects. *Earthquake Engineering and Structural Dynamics*, **2011**, 40, 1653-1669	4	29
16	Force-deformation behaviour modelling of cracked reinforced concrete by EXCEL spreadsheets. *Computers and Concrete*, **2011**, 8, 43-57		11
15	Inelastic Displacement Demand of Strength-Degraded Structures. *Journal of Earthquake Engineering*, **2010**, 14, 487-511	1.8	14
14	Collapse modelling analysis of a precast soft storey building in Australia. *Engineering Structures*, **2010**, 32, 1925-1936	4.7	14
13	Seismic load estimates of distant subduction earthquakes affecting Singapore. *Engineering Structures*, **2009**, 31, 1230-1240	4.7	9
12	The Cyclic Behaviour of Reinforced Concrete Chimney Sections with and without Openings. *Advances in Structural Engineering*, **2009**, 12, 411-420	1.9	7
11	Recent Developments in the Research and Practice of Earthquake Engineering in Australia. *Australian Journal of Structural Engineering*, **2008**, 8, 13-27	1.4	1
10	Cyclic testing of unreinforced masonry walls in two-way bending. *Earthquake Engineering and Structural Dynamics*, **2007**, 36, 801-821	4	87
9	Experimental Investigation of Unreinforced Brick Masonry Walls in Flexure. *Journal of Structural Engineering*, **2004**, 130, 423-432	3	123
8	Earthquake response of tall reinforced concrete chimneys. *Engineering Structures*, **2003**, 25, 11-24	4.7	35
7	Time-history analysis of URM walls in out-of-plane flexure. *Engineering Structures*, **2003**, 25, 743-754	4.7	55
6	Seismic displacement response spectrum estimated from the frame analogy soil amplification model. *Engineering Structures*, **2001**, 23, 1437-1452	4.7	38
5	Response spectral relationships for rock sites derived from the component attenuation model. *Earthquake Engineering and Structural Dynamics*, **2000**, 29, 1457-1489	4	43

4	Response spectrum modelling for rock sites in low and moderate seismicity regions combining velocity, displacement and acceleration predictions. *Earthquake Engineering and Structural Dynamics*, **2000**, 29, 1491-1525	4	40
3	Review of the torsional coupling of asymmetrical wall-frame buildings. *Engineering Structures*, **1997**, 19, 233-246	4.7	9
2	BUILDING DUCTILITY DEMAND: INTERPLATE VERSUS INTRAPLATE EARTHQUAKES. *Earthquake Engineering and Structural Dynamics*, **1996**, 25, 965-985	4	7
1	Investigation into Venting and Non-venting Technologies for the Space Station Freedom Extravehicular Activity Life Support System **1990**,		2