

Peter Newman Ao

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.

160
papers

4,280
citations

33
h-index

62
g-index

169
ext. papers

4,944
ext. citations

2.6
avg, IF

6.55
L-index

#	Paper	IF	Citations
160	Gasoline Consumption and Cities. <i>Journal of the American Planning Association</i> , 1989 , 55, 24-37	2.9	576
159	Sustainability and cities: extending the metabolism model. <i>Landscape and Urban Planning</i> , 1999 , 44, 219-226	7.7	414
158	Redefining the Smart City: Culture, Metabolism and Governance. <i>Smart Cities</i> , 2018 , 1, 4-25	3.3	191
157	The land use-transport connection. <i>Land Use Policy</i> , 1996 , 13, 1-22	5.6	180
156	Sustainable urban systems: Co-design and framing for transformation. <i>Ambio</i> , 2018 , 47, 57-77	6.5	158
155	The environmental impact of cities. <i>Environment and Urbanization</i> , 2006 , 18, 275-295	3.7	131
154	Biophilic Cities Are Sustainable, Resilient Cities. <i>Sustainability</i> , 2013 , 5, 3328-3345	3.6	121
153	The End of Automobile Dependence 2015 ,		112
152	Citizen utilities: The emerging power paradigm. <i>Energy Policy</i> , 2017 , 105, 283-293	7.2	106
151	Theory of urban fabrics: planning the walking, transit/public transport and automobile/motor car cities for reduced car dependency. <i>Town Planning Review</i> , 2016 , 87, 429-458	0.8	85
150	Biophilic urbanism: a case study on Singapore. <i>Australian Planner</i> , 2014 , 51, 47-65	0.6	83
149	Urban fabrics and urban metabolism [From sustainable to regenerative cities. <i>Resources, Conservation and Recycling</i> , 2018 , 132, 218-229	11.9	81
148	Planning support systems for smart cities. <i>City, Culture and Society</i> , 2018 , 12, 13-24	2.2	68
147	The transport energy trade-off: Fuel-efficient traffic versus fuel-efficient cities. <i>Transportation Research Part A: Policy and Practice</i> , 1988 , 22, 163-174		67
146	Strategic Spatial Planning: Collective Action and Moments of Opportunity. <i>European Planning Studies</i> , 2008 , 16, 1371-1383	3.2	61
145	Transport and urban form in thirty-two of the world's principal cities. <i>Transport Reviews</i> , 1991 , 11, 249-272	9.9	57
144	Biophilic architecture: a review of the rationale and outcomes. <i>AIMS Environmental Science</i> , 2015 , 2, 950-969		57

143	The role of urban form and transit in city car dependence: Analysis of 26 global cities from 1960 to 2000. <i>Transportation Research, Part D: Transport and Environment</i> , 2014 , 33, 95-110	6.4	53
142	Developing metropolitan tourism on the fringe of central London. <i>International Journal of Tourism Research</i> , 2004 , 6, 339-348	3.7	49
141	Is There a Role for Physical Planners?. <i>Journal of the American Planning Association</i> , 1992 , 58, 353-362	2.9	46
140	WGV: An Australian Urban Precinct Case Study to Demonstrate the 1.5 °C Agenda Including Multiple SDGs. <i>Urban Planning</i> , 2018 , 3, 64-81	1.3	45
139	COVID, CITIES and CLIMATE: Historical Precedents and Potential Transitions for the New Economy. <i>Urban Science</i> , 2020 , 4, 32	2.2	44
138	Resilient Cities 2017 ,		41
137	Reducing automobile dependence. <i>Environment and Urbanization</i> , 1996 , 8, 67-92	3.7	41
136	Decoupling Economic Growth from Fossil Fuels. <i>Modern Economy</i> , 2017 , 08, 791-805	0.3	41
135	The rise and rise of renewable cities. <i>Renewable Energy and Environmental Sustainability</i> , 2017 , 2, 10	2.5	40
134	Resilient cities: Responding to peak oil and climate change. <i>Australian Planner</i> , 2009 , 46, 59-59	0.6	40
133	Peak Car Use and the Rise of Global Rail: Why This Is Happening and What It Means for Large and Small Cities. <i>Journal of Transportation Technologies</i> , 2013 , 03, 272-287	0.8	39
132	Sustainable urban water systems in rich and poor cities - steps towards a new approach. <i>Water Science and Technology</i> , 2001 , 43, 93-99	2.2	36
131	Is practice aligned with the principles? Implementing New Urbanism in Perth, Western Australia. <i>Transport Policy</i> , 2010 , 17, 287-294	5.7	35
130	Can we overcome automobile dependence?. <i>Cities</i> , 1995 , 12, 53-65	5.6	34
129	A Review of urban density models: Toward a resolution of the conflict between populace and planner. <i>Human Ecology</i> , 1981 , 9, 269-303	2	34
128	The development of a driving cycle for fuel consumption and emissions evaluation. <i>Transportation Research Part A: Policy and Practice</i> , 1986 , 20, 447-462		33
127	Economically Incentivising Smart Urban Regeneration. Case Study of Port Louis, Mauritius. <i>Smart Cities</i> , 2018 , 1, 53-74	3.3	31
126	Costs of Automobile Dependence: Global Survey of Cities. <i>Transportation Research Record</i> , 1999 , 1670, 17-26	1.7	31

125	The Geography of Solar Photovoltaics (PV) and a New Low Carbon Urban Transition Theory. <i>Sustainability</i> , 2013 , 5, 2537-2556	3.6	29
124	The City of the Future. <i>Urban Planning</i> , 2018 , 3, 1-20	1.3	29
123	Green urbanism down under. <i>Australian Planner</i> , 2009 , 46, 60-60	0.6	26
122	Low-Carbon Sustainable Precincts: An Australian Perspective. <i>Sustainability</i> , 2013 , 5, 2305-2326	3.6	25
121	Leachate quality from gypsum neutralized red mud applied to sandy soils. <i>Water, Air, and Soil Pollution</i> , 1989 , 47, 1-18	2.6	25
120	Disruptive innovation, stranded assets and forecasting: the rise and rise of renewable energy. <i>Journal of Sustainable Finance and Investment</i> , 2017 , 7, 169-187	3	23
119	The Entrepreneur Rail Model: Funding urban rail through majority private investment in urban regeneration. <i>Research in Transportation Economics</i> , 2018 , 67, 19-28	2.4	22
118	Green Urbanism and its Application to Singapore. <i>Environment and Urbanization ASIA</i> , 2010 , 1, 149-170	1.4	21
117	Beyond Peak Oil: Will Our Cities Collapse?. <i>Journal of Urban Technology</i> , 2007 , 14, 15-30	5.9	21
116	Critical Connections: The Role of the Built Environment Sector in Delivering Green Cities and a Green Economy. <i>Sustainability</i> , 2015 , 7, 9417-9443	3.6	20
115	Decarbonising Cities. <i>Green Energy and Technology</i> , 2015 ,	0.6	20
114	Density, the Sustainability Multiplier: Some Myths and Truths with Application to Perth, Australia. <i>Sustainability</i> , 2014 , 6, 6467-6487	3.6	20
113	Can land value capture make PPP's competitive in fares? A Mumbai case study. <i>Transport Policy</i> , 2018 , 64, 123-131	5.7	19
112	Green Urbanism in Asia 2013 ,		19
111	Does urban rail increase land value in emerging cities? Value uplift from Bangalore Metro. <i>Transportation Research, Part A: Policy and Practice</i> , 2018 , 117, 70-86	3.7	18
110	Human mobility and human health. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 420-426	7.2	18
109	Urban structure and air pollution. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1990 , 24, 43-48		18
108	Why Fast Trains Work: An Assessment of a Fast Regional Rail System in Perth, Australia. <i>Journal of Transportation Technologies</i> , 2013 , 03, 37-47	0.8	17

107	The Trackless Tram: Is It the Transit and City Shaping Catalyst We Have Been Waiting for?. <i>Journal of Transportation Technologies</i> , 2019 , 09, 31-55	0.8	17
106	Cities and the Anthropocene: Urban governance for the new era of regenerative cities. <i>Urban Studies</i> , 2020 , 57, 1502-1519	3.2	17
105	Cool planning: How urban planning can mainstream responses to climate change. <i>Cities</i> , 2020 , 103, 10265-10271	5.6	16
104	Gentrification of station areas and its impact on transit ridership. <i>Case Studies on Transport Policy</i> , 2018 , 6, 1-10	2.7	16
103	Urban Rail and Sustainable Development Key Lessons from Hong Kong, New York, London and India for Emerging Cities. <i>Transportation Research Procedia</i> , 2017 , 26, 92-105	2.4	16
102	TORONTO PARADIGM REGAINED. <i>Australian Planner</i> , 1994 , 31, 137-147	0.6	16
101	Transport energy use in the Perth Metropolitan Region: Some urban policy implications. <i>Urban Policy and Research</i> , 1985 , 3, 4-15	1.6	16
100	Slum Regeneration and Sustainability: Applying the Extended Metabolism Model and the SDGs. <i>Sustainability</i> , 2017 , 9, 2273	3.6	15
99	Health, Transport and Urban Planning: Quantifying the Links between Urban Assessment Models and Human Health. <i>Urban Policy and Research</i> , 2015 , 33, 145-159	1.6	14
98	Managing Knowledge to Promote Sustainability in Australian Transport Infrastructure Projects. <i>Sustainability</i> , 2015 , 7, 8132-8150	3.6	14
97	Geoengineering in the Anthropocene through Regenerative Urbanism. <i>Geosciences (Switzerland)</i> , 2016 , 6, 46	2.7	14
96	Improving Mental Health in Prisons Through Biophilic Design. <i>Prison Journal</i> , 2017 , 97, 750-772	1.1	13
95	Tax Increment Financing Framework for Integrated Transit and Urban Renewal Projects in Car-Dependent Cities. <i>Urban Policy and Research</i> , 2015 , 33, 37-60	1.6	12
94	The city and the bush partnerships to reverse the population decline in Australia's Wheatbelt. <i>Australian Journal of Agricultural Research</i> , 2005 , 56, 527		12
93	Greenhouse, oil and cities. <i>Futures</i> , 1991 , 23, 335-348	3.6	12
92	Beijing's Peak Car Transition: Hope for Emerging Cities in the 1.5 °C Agenda. <i>Urban Planning</i> , 2018 , 3, 82-93	1.3	12
91	Can value capture work in a car dependent city? Willingness to pay for transit access in Perth, Western Australia. <i>Transportation Research, Part A: Policy and Practice</i> , 2014 , 67, 320-339	3.7	11
90	Measuring Carbon for Urban Development Planning. <i>International Journal of Climate Change: Impacts and Responses</i> , 2012 , 3, 35-52	1.3	11

89	Framework for land value capture from investments in transit in car-dependent cities. <i>Journal of Transport and Land Use</i> ,	3.1	11
88	Stakeholder Deliberation on Developing Affordable Housing Strategies: Towards Inclusive and Sustainable Transit-Oriented Developments. <i>Sustainability</i> , 2016 , 8, 1024	3.6	11
87	How to create exponential decline in car use in Australian cities. <i>Australian Planner</i> , 2008 , 45, 17-19	0.6	10
86	Principles and planning opportunities for community scale systems of water and waste management. <i>Desalination</i> , 1996 , 106, 339-354	10.3	10
85	The End of Automobile Dependence: 2015 , 201-226		10
84	Gentrification in new-build and old-build transit-oriented developments: the case of Bengaluru. <i>Urban Research and Practice</i> , 2019 , 12, 247-263	1.5	10
83	Apocalypse now: Australian bushfires and the future of urban settlements. <i>Npj Urban Sustainability</i> , 2021 , 1,		10
82	Dense, mixed-use, walkable urban precinct to support sustainable transport or vice versa? A model for consideration from Perth, Western Australia. <i>International Journal of Sustainable Transportation</i> , 2017 , 11, 11-19	3.6	9
81	Participatory Sustainability Approach to Value Capture-Based Urban Rail Financing in India through Deliberated Stakeholder Engagement. <i>Sustainability</i> , 2015 , 7, 8091-8115	3.6	9
80	Spatial consequences of urban densification policy: Floor-to-area ratio policy in Tehran, Iran. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019 , 46, 626-647	2	9
79	Markets, experts and depoliticizing decisions on major infrastructure. <i>Urban Research and Practice</i> , 2009 , 2, 158-168	1.5	8
78	Sustainable development and urban planning: Principles and applications in an Australian context. <i>Sustainable Development</i> , 1993 , 1, 25-40	6.7	8
77	Plastics: are they part of the zero-waste agenda or the toxic-waste agenda?. <i>Sustainable Earth</i> , 2021 , 4,	2.2	8
76	Planning and Governance for Decentralised Energy Assets in Medium-Density Housing: The WGV Gen Y Case Study. <i>Urban Policy and Research</i> , 2018 , 36, 201-214	1.6	7
75	The changing research funding regime in Australia and academic productivity. <i>Mathematics and Computers in Simulation</i> , 2008 , 78, 283-291	3.3	7
74	Slum Upgrading: Can the 1.5 °C Carbon Reduction Work with SDGs in these Settlements?. <i>Urban Planning</i> , 2018 , 3, 52-63	1.3	7
73	Bhutan: Can the 1.5 °C Agenda Be Integrated with Growth in Wealth and Happiness?. <i>Urban Planning</i> , 2018 , 3, 94-112	1.3	7
72	Biophilic streets: a design framework for creating multiple urban benefits. <i>Sustainable Earth</i> , 2020 , 3,	2.2	7

71	Carbon neutral policy in action: the case of Bhutan. <i>Climate Policy</i> , 2019 , 19, 672-687	5.3	7
70	Green Infrastructure and Biophilic Urbanism as Tools for Integrating Resource Efficient and Ecological Cities. <i>Urban Planning</i> , 2021 , 6, 75-88	1.3	7
69	Planetary Accounting 2020 ,		6
68	Cities and oil dependence. <i>Cities</i> , 1991 , 8, 170-173	5.6	6
67	Estimating Fleet Fuel Consumption for Vans and Small Trucks. <i>Transportation Science</i> , 1989 , 23, 46-50	4.4	6
66	Sustainability in an Emerging Nation: The Bhutan Case Study. <i>Sustainability</i> , 2018 , 10, 1622	3.6	6
65	Sustainability and the post-modern city: some guidelines for urban planning and transport practice in an age of uncertainty. <i>The Environmentalist</i> , 1995 , 15, 257-266		5
64	Environmental Impact: Part 2-Assessment for Twelve Selected Nations. <i>Journal of Environmental Systems</i> , 4 , 109-116		5
63	Land Value Capture Tools: Integrating Transit and Land Use through Finance to Enable Economic Value Creation. <i>Modern Economy</i> , 2020 , 11, 938-964	0.3	5
62	Transport in the Aftermath of COVID-19: Lessons Learned and Future Directions. <i>Journal of Transportation Technologies</i> , 2021 , 11, 109-127	0.8	5
61	The Politics of Urban Redevelopment in London and Paris. <i>Planning Practice and Research</i> , 1995 , 10, 15-24	2.4	4
60	The rise or decline of the Australian inner city? An analysis of recent trends in population, housing, age structure and occupation. <i>Urban Policy and Research</i> , 1984 , 2, 7-16	1.6	4
59	Domestic energy use in Australian cities. <i>Urban Ecology</i> , 1982 , 7, 19-38		4
58	Perth as a BigCity: Reflections on urban growth. <i>Thesis Eleven</i> , 2016 , 135, 139-151	0.2	4
57	How to design a sustainable heavy industrial estate. <i>Renewable Energy</i> , 2014 , 67, 46-52	8.1	3
56	A technique for Quantifying the Reduction of Solar Radiation due to Cloud and Tree Cover. <i>Procedia Engineering</i> , 2017 , 180, 403-412		3
55	Green urbanism in the Indian Ocean region. <i>Journal of the Indian Ocean Region</i> , 2015 , 11, 60-73	1	3
54	Briefing: Peak car use – what does it mean for urban design and planning?. <i>Proceedings of the Institution of Civil Engineers: Urban Design and Planning</i> , 2012 , 165, 197-200	0.6	3

53	Walking in a historical, international and contemporary context 2003 , 48-58		3
52	Environmental Impact: Part 1-Development of a Semi-quantitative Parameter and its Implications. <i>Journal of Environmental Systems</i> ,4, 97-108		3
51	Urban Transportation Patterns and Trends in Global Cities 2015 , 33-76		3
50	Sustainable Precincts: Transforming Australian Cities One Neighbourhood at a Time 2019 , 211-225		3
49	Hope in a time of civicide: regenerative development and IPAT. <i>Sustainable Earth</i> , 2020 , 3,	2.2	3
48	From TOD to TAC: Why and How Transport and Urban Policy Needs to Shift to Regenerating Main Road Corridors with New Transit Systems. <i>Urban Science</i> , 2021 , 5, 52	2.2	3
47	Urban passenger transport energy consumption and carbon dioxide emissions: a global review and assessment of some reduction strategies36-58		2
46	Fuel and time implications of merging traffic at freeway entrances. <i>Applied Mathematical Modelling</i> , 1988 , 12, 226-237	4.5	2
45	RESILIENT INFRASTRUCTURE CITIES 2010 , 77-106		2
44	Imagining a Future Without Oil for Car-Dependent Cities and Regions 2013 , 203-225		2
43	Partnerships for Private Transit Investment – The History and Practice of Private Transit Infrastructure with a Case Study in Perth, Australia		2
42	Participatory Sustainability Approach to Value Capture Based Urban Rail Financing in India Through Deliberated Stakeholder Engagement		2
41	A Basis for Inquiry into Policy Considerations for Increasing the Application of Biophilic Urbanism 2013 , 143-151		2
40	Regenerating Stormwater Infrastructure into Biophilic Urban Assets. Case Studies of a Sump Garden and a Sump Park in Western Australia. <i>Sustainability</i> , 2021 , 13, 5461	3.6	2
39	Sustainable Earth begins its journey. <i>Sustainable Earth</i> , 2018 , 1,	2.2	2
38	The Theology of Sustainability Practice 2018 , 1-11		2
37	How Would the Trackless Tram System and Public-Private Partnership (PPP) Apply to Bulawayo?. <i>Current Urban Studies</i> , 2021 , 09, 17-30	0.6	2
36	The Theology of Sustainability Practice 2018 , 297-308		1

35	Petroleum depletion scenarios for Australian cities. <i>Australian Planner</i> , 2010 , 47, 232-242	0.6	1
34	On climbing trees: an Australian perspective on sustainability and political risk>. <i>Local Environment</i> , 2004 , 9, 611-619	3.3	1
33	Hope and Despair in Environmental Education. <i>Australian Journal of Environmental Education</i> , 1996 , 12, 85-86	0.6	1
32	The Underlying Structures of Low Carbon Mobility 2016 ,		1
31	The Rise and Fall of Automobile Dependence 2015 , 1-31		1
30	The Theory of Urban Fabrics: 2015 , 105-140		1
29	The Challenge of Climate Change for Singapore 2019 , 151-169		1
28	The Precinct—the New Scale for Decarbonising. <i>Green Energy and Technology</i> , 2015 , 57-64	0.6	1
27	Rating Carbon in Urban Development. <i>Green Energy and Technology</i> , 2015 , 131-148	0.6	1
26	A Planetary Quota for Carbon Dioxide 2020 , 121-136		1
25	Low-Carbon Resource Management in Cities. <i>Green Energy and Technology</i> , 2015 , 37-55	0.6	1
24	Overcoming Barriers to the End of Automobile Dependence 2015 , 169-200		1
23	Emerging Value Capture Innovative Urban Rail Funding and Financing. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2016 , 130-145	0.5	1
22	The Renewable Cities Revolution 2018 , 11-30		1
21	Transport and Mobility Trends in Beijing and Shanghai: Implications for Urban Passenger Transport Energy Transitions Worldwide 2018 , 205-223		1
20	Transport priorities shaping the urban fabric: new methods and tools17-31		0
19	Introducing the 21st Century Boulevard: A Post-COVID Response to Urban Regeneration of Main Road Corridors. <i>Current Urban Studies</i> , 2021 , 09, 831-854	0.6	0
18	Gasoline Consumption and Cities Revisited: What Have We Learnt?. <i>Current Urban Studies</i> , 2021 , 09, 532-553		0

- 17 Planning Issues and Sustainable Development **2015**, 198-201
- 16 Rediscovering compact cities for sustainability 15-31
- 15 AUSTRALIAN PLANNER SEPTEMBER 1994. *Australian Planner*, **2012**, 49, 259-273 0.6
- 14 Electronic networking: Social and policy aspects of a rapidly growing technology Electronic networking: Policy aspects for Australia. *Computer Networks*, **1994**, 27, 411-418
- 13 Greenhouse revisited: A response to Troy. *Australian Planner*, **1990**, 28, 49-49 0.6
- 12 Undergraduate Environmental Science the Murdoch Story. *Australian Journal of Environmental Education*, **1989**, 5, 32-38 0.6
- 11 Glorious homes re-evaluated. *Australian Planner*, **1982**, 20, 151-152 0.6
- 10 Managing the Earth System: Why We Need a Poly-Scalar Approach **2020**, 53-71
- 9 Pursuing Sustainability Through Enduring Value Creation **2006**, 305-312
- 8 Bioregional Planning and Biophilic Urbanism **2020**, 113-128
- 7 A New Framework and Core Elements. *Green Energy and Technology*, **2015**, 179-203 0.6
- 6 Spotlight: The Australian Government Carbon Neutral Standard. *Green Energy and Technology*, **2015**, 161-178 0.6
- 5 Making It Work. *Green Energy and Technology*, **2015**, 205-233 0.6
- 4 Emerging Value Capture Innovative Urban Rail Funding and Financing **2017**, 1617-1632
- 3 Decarbonising City Precincts: An Australian Perspective. *Energy Systems*, **2014**, 179-197 0.4
- 2 The Theology of Sustainability Practice **2018**, 1-12
- 1 Leadership in Sustainability: Collective Wisdom, Conversations, Creativity, Contemplation and Courage, the Five Pillars of a Master Teaching Unit. *Sustainability*, **2022**, 14, 5070 3.6