Peter Newman Ao

List of Publications by Year in Descending Order

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	Leadership in Sustainability: Collective Wisdom, Conversations, Creativity, Contemplation and Courage, the Five Pillars of a Master Teaching Unit. *Sustainability*, **2022**, 14, 5070	3.6	
159	Introducing the 21st Century Boulevard: A Post-COVID Response to Urban Regeneration of Main Road Corridors. *Current Urban Studies*, **2021**, 09, 831-854	0.6	0
158	Regenerating Stormwater Infrastructure into Biophilic Urban Assets. Case Studies of a Sump Garden and a Sump Park in Western Australia. *Sustainability*, **2021**, 13, 5461	3.6	2
157	From TOD to TAC: Why and How Transport and Urban Policy Needs to Shift to Regenerating Main Road Corridors with New Transit Systems. *Urban Science*, **2021**, 5, 52	2.2	3
156	Transport in the Aftermath of COVID-19: Lessons Learned and Future Directions. *Journal of Transportation Technologies*, **2021**, 11, 109-127	0.8	5
155	Gasoline Consumption and Cities Revisited: What Have We Learnt?. *Current Urban Studies*, **2021**, 09, 532-553	0.6	0
154	Apocalypse now: Australian bushfires and the future of urban settlements. *Npj Urban Sustainability*, **2021**, 1,		10
153	Plastics: are they part of the zero-waste agenda or the toxic-waste agenda?. *Sustainable Earth*, **2021**, 4,	2.2	8
152	How Would the Trackless Tram System and Public-Private Partnership (PPP) Apply to Bulawayo?. *Current Urban Studies*, **2021**, 09, 17-30	0.6	2
151	Green Infrastructure and Biophilic Urbanism as Tools for Integrating Resource Efficient and Ecological Cities. *Urban Planning*, **2021**, 6, 75-88	1.3	7
150	Cool planning: How urban planning can mainstream responses to climate change. *Cities*, **2020**, 103, 102655	5.6	16
149	Planetary Accounting **2020**,		6
148	Managing the Earth System: Why We Need a Poly-Scalar Approach **2020**, 53-71		
147	Land Value Capture Tools: Integrating Transit and Land Use through Finance to Enable Economic Value Creation. *Modern Economy*, **2020**, 11, 938-964	0.3	5
146	Bioregional Planning and Biophilic Urbanism **2020**, 113-128		
145	A Planetary Quota for Carbon Dioxide **2020**, 121-136		1
144	Biophilic streets: a design framework for creating multiple urban benefits. *Sustainable Earth*, **2020**, 3,	2.2	7

143	COVID, CITIES and CLIMATE: Historical Precedents and Potential Transitions for the New Economy. *Urban Science*, **2020**, 4, 32	2.2	44
142	Hope in a time of civicide: regenerative development and IPAT. *Sustainable Earth*, **2020**, 3,	2.2	3
141	Cities and the Anthropocene: Urban governance for the new era of regenerative cities. *Urban Studies*, **2020**, 57, 1502-1519	3.2	17
140	The Trackless Tram: Is It the Transit and City Shaping Catalyst We Have Been Waiting for?. *Journal of Transportation Technologies*, **2019**, 09, 31-55	0.8	17
139	The Challenge of Climate Change for Singapore **2019**, 151-169		1
138	Sustainable Precincts: Transforming Australian Cities One Neighbourhood at a Time **2019**, 211-225		3
137	Carbon neutral policy in action: the case of Bhutan. *Climate Policy*, **2019**, 19, 672-687	5.3	7
136	Spatial consequences of urban densification policy: Floor-to-area ratio policy in Tehran, Iran. *Environment and Planning B: Urban Analytics and City Science*, **2019**, 46, 626-647	2	9
135	Gentrification in new-build and old-build transit-oriented developments: the case of Bengaluru. *Urban Research and Practice*, **2019**, 12, 247-263	1.5	10
134	Can land value capture make PPP's competitive in fares? A Mumbai case study. *Transport Policy*, **2018**, 64, 123-131	5.7	19
133	Gentrification of station areas and its impact on transit ridership. *Case Studies on Transport Policy*, **2018**, 6, 1-10	2.7	16
132	The Entrepreneur Rail Model: Funding urban rail through majority private investment in urban regeneration. *Research in Transportation Economics*, **2018**, 67, 19-28	2.4	22
131	Urban fabrics and urban metabolism □from sustainable to regenerative cities. *Resources, Conservation and Recycling*, **2018**, 132, 218-229	11.9	81
130	Planning and Governance for Decentralised Energy Assets in Medium-Density Housing: The WGV Gen Y Case Study. *Urban Policy and Research*, **2018**, 36, 201-214	1.6	7
129	The Theology of Sustainability Practice **2018**, 297-308		1
128	Redefining the Smart City: Culture, Metabolism and Governance. *Smart Cities*, **2018**, 1, 4-25	3.3	191
127	Does urban rail increase land value in emerging cities? Value uplift from Bangalore Metro. *Transportation Research, Part A: Policy and Practice*, **2018**, 117, 70-86	3.7	18
126	Economically Incentivising Smart Urban Regeneration. Case Study of Port Louis, Mauritius. *Smart Cities*, **2018**, 1, 53-74	3.3	31

125	Slum Upgrading: Can the 1.5 °C Carbon Reduction Work with SDGs in these Settlements?. *Urban Planning*, **2018**, 3, 52-63	1.3	7
124	WGV: An Australian Urban Precinct Case Study to Demonstrate the 1.5 °C Agenda Including Multiple SDGs. *Urban Planning*, **2018**, 3, 64-81	1.3	45
123	Beijing's Peak Car Transition: Hope for Emerging Cities in the 1.5 °C Agenda. *Urban Planning*, **2018**, 3, 82-93	1.3	12
122	The City of the Future. *Urban Planning*, **2018**, 3, 1-20	1.3	29
121	Bhutan: Can the 1.5 °C Agenda Be Integrated with Growth in Wealth and Happiness?. *Urban Planning*, **2018**, 3, 94-112	1.3	7
120	Planning support systems for smart cities. *City, Culture and Society*, **2018**, 12, 13-24	2.2	68
119	Sustainable urban systems: Co-design and framing for transformation. *Ambio*, **2018**, 47, 57-77	6.5	158
118	The Theology of Sustainability Practice **2018**, 1-12		
117	Sustainability in an Emerging Nation: The Bhutan Case Study. *Sustainability*, **2018**, 10, 1622	3.6	6
116	Sustainable Earth begins its journey. *Sustainable Earth*, **2018**, 1,	2.2	2
115	The Theology of Sustainability Practice **2018**, 1-11		2
114	The Renewable Cities Revolution **2018**, 11-30		1
113	Transport and Mobility Trends in Beijing and Shanghai: Implications for Urban Passenger Transport Energy Transitions Worldwide **2018**, 205-223		1
112	Dense, mixed-use, walkable urban precinct to support sustainable transport or vice versa? A model for consideration from Perth, Western Australia. *International Journal of Sustainable Transportation*, **2017**, 11, 11-19	3.6	9
111	Disruptive innovation, stranded assets and forecasting: the rise and rise of renewable energy. *Journal of Sustainable Finance and Investment*, **2017**, 7, 169-187	3	23
110	Citizen utilities: The emerging power paradigm. *Energy Policy*, **2017**, 105, 283-293	7.2	106
109	The rise and rise of renewable cities. *Renewable Energy and Environmental Sustainability*, **2017**, 2, 10	2.5	40
108	Resilient Cities **2017**,		41

107	Urban Rail and Sustainable Development Key Lessons from Hong Kong, New York, London and India for Emerging Cities. *Transportation Research Procedia*, **2017**, 26, 92-105	2.4	16
106	A technique for Quantifying the Reduction of Solar Radiation due to Cloud and Tree Cover. *Procedia Engineering*, **2017**, 180, 403-412		3
105	Improving Mental Health in Prisons Through Biophilic Design. *Prison Journal*, **2017**, 97, 750-772	1.1	13
104	Slum Regeneration and Sustainability: Applying the Extended Metabolism Model and the SDGs. *Sustainability*, **2017**, 9, 2273	3.6	15
103	Decoupling Economic Growth from Fossil Fuels. *Modern Economy*, **2017**, 08, 791-805	0.3	41
102	Emerging Value Capture Innovative Urban Rail Funding and Financing **2017**, 1617-1632		
101	Theory of urban fabrics: planning the walking, transit/public transport and automobile/motor car cities for reduced car dependency. *Town Planning Review*, **2016**, 87, 429-458	0.8	85
100	The Underlying Structures of Low Carbon Mobility **2016**,		1
99	Emerging Value Capture Innovative Urban Rail Funding and Financing. *Advances in Civil and Industrial Engineering Book Series*, **2016**, 130-145	0.5	1
98	Geoengineering in the Anthropocene through Regenerative Urbanism. *Geosciences (Switzerland)*, **2016**, 6, 46	2.7	14
97	Stakeholder Deliberation on Developing Affordable Housing Strategies: Towards Inclusive and Sustainable Transit-Oriented Developments. *Sustainability*, **2016**, 8, 1024	3.6	11
96	Perth as a Big City: Reflections on urban growth. *Thesis Eleven*, **2016**, 135, 139-151	0.2	4
95	Planning Issues and Sustainable Development **2015**, 198-201		
94	Health, Transport and Urban Planning: Quantifying the Links between Urban Assessment Models and Human Health. *Urban Policy and Research*, **2015**, 33, 145-159	1.6	14
93	Participatory Sustainability Approach to Value Capture-Based Urban Rail Financing in India through Deliberated Stakeholder Engagement. *Sustainability*, **2015**, 7, 8091-8115	3.6	9
92	Managing Knowledge to Promote Sustainability in Australian Transport Infrastructure Projects. *Sustainability*, **2015**, 7, 8132-8150	3.6	14
91	Critical Connections: The Role of the Built Environment Sector in Delivering Green Cities and a Green Economy. *Sustainability*, **2015**, 7, 9417-9443	3.6	20
90	Green urbanism in the Indian Ocean region. *Journal of the Indian Ocean Region*, **2015**, 11, 60-73	1	3

89	Decarbonising Cities. *Green Energy and Technology*, **2015**,	0.6	20
88	Tax Increment Financing Framework for Integrated Transit and Urban Renewal Projects in Car-Dependent Cities. *Urban Policy and Research*, **2015**, 33, 37-60	1.6	12
87	Biophilic architecture: a review of the rationale and outcomes. *AIMS Environmental Science*, **2015**, 2, 950-969	2.9	57
86	The End of Automobile Dependence **2015**,		112
85	The Rise and Fall of Automobile Dependence **2015**, 1-31		1
84	Urban Transportation Patterns and Trends in Global Cities **2015**, 33-76		3
83	The Theory of Urban Fabrics: **2015**, 105-140		1
82	The End of Automobile Dependence: **2015**, 201-226		10
81	The Precinct□he New Scale for Decarbonising. *Green Energy and Technology*, **2015**, 57-64	0.6	1
80	Rating Carbon in Urban Development. *Green Energy and Technology*, **2015**, 131-148	0.6	1
79	A New Framework and Core Elements. *Green Energy and Technology*, **2015**, 179-203	0.6	
78	Low-Carbon Resource Management in Cities. *Green Energy and Technology*, **2015**, 37-55	0.6	1
77	Spotlight: The Australian Government Carbon Neutral Standard. *Green Energy and Technology*, **2015** , 161-178	0.6	
76	Overcoming Barriers to the End of Automobile Dependence **2015**, 169-200		1
75	Making It Work. *Green Energy and Technology*, **2015**, 205-233	0.6	
74	The role of urban form and transit in city car dependence: Analysis of 26 global cities from 1960 to 2000. *Transportation Research, Part D: Transport and Environment*, **2014**, 33, 95-110	6.4	53
73	Can value capture work in a car dependent city? Willingness to pay for transit access in Perth, Western Australia. *Transportation Research, Part A: Policy and Practice*, **2014**, 67, 320-339	3.7	11
72	How to design a sustainable heavy industrial estate. *Renewable Energy*, **2014**, 67, 46-52	8.1	3

71	Density, the Sustainability Multiplier: Some Myths and Truths with Application to Perth, Australia. *Sustainability*, **2014**, 6, 6467-6487	3.6	20
70	Biophilic urbanism: a case study on Singapore. *Australian Planner*, **2014**, 51, 47-65	0.6	83
69	Decarbonising City Precincts: An Australian Perspective. *Energy Systems*, **2014**, 179-197	0.4	
68	The Geography of Solar Photovoltaics (PV) and a New Low Carbon Urban Transition Theory. *Sustainability*, **2013**, 5, 2537-2556	3.6	29
67	Low-Carbon Sustainable Precincts: An Australian Perspective. *Sustainability*, **2013**, 5, 2305-2326	3.6	25
66	Biophilic Cities Are Sustainable, Resilient Cities. *Sustainability*, **2013**, 5, 3328-3345	3.6	121
65	Green Urbanism in Asia **2013**,		19
64	Why Fast Trains Work: An Assessment of a Fast Regional Rail System in Perth, Australia. *Journal of Transportation Technologies*, **2013**, 03, 37-47	0.8	17
63	Peak Car Use and the Rise of Global Rail: Why This Is Happening and What It Means for Large and Small Cities. *Journal of Transportation Technologies*, **2013**, 03, 272-287	0.8	39
62	Imagining a Future Without Oil for Car-Dependent Cities and Regions **2013**, 203-225		2
61	A Basis for Inquiry into Policy Considerations for Increasing the Application of Biophilic Urbanism **2013**, 143-151		2
60	Briefing: Peak car use □what does it mean for urban design and planning?. *Proceedings of the Institution of Civil Engineers: Urban Design and Planning*, **2012**, 165, 197-200	0.6	3
59	AUSTRALIAN PLANNER SEPTEMBER 1994. *Australian Planner*, **2012**, 49, 259-273	0.6	
58	Human mobility and human health. *Current Opinion in Environmental Sustainability*, **2012**, 4, 420-426	7.2	18
57	Measuring Carbon for Urban Development Planning. *International Journal of Climate Change: Impacts and Responses*, **2012**, 3, 35-52	1.3	11
56	Green Urbanism and its Application to Singapore. *Environment and Urbanization ASIA*, **2010**, 1, 149-170	1.4	21
55	Petroleum depletion scenarios for Australian cities. *Australian Planner*, **2010**, 47, 232-242	0.6	1
54	Is practice aligned with the principles? Implementing New Urbanism in Perth, Western Australia. *Transport Policy*, **2010**, 17, 287-294	5.7	35

53	RESILIENT INFRASTRUCTURE CITIES **2010**, 77-106		2
52	Markets, experts and depoliticizing decisions on major infrastructure. *Urban Research and Practice*, **2009**, 2, 158-168	1.5	8
51	Green urbanism down under. *Australian Planner*, **2009**, 46, 60-60	0.6	26
50	Resilient cities: Responsing to peak oil and climate change. *Australian Planner*, **2009**, 46, 59-59	0.6	40
49	Strategic Spatial Planning: Collective Action and Moments of Opportunity. *European Planning Studies*, **2008**, 16, 1371-1383	3.2	61
48	How to create exponential decline in car use in Australian cities. *Australian Planner*, **2008**, 45, 17-19	0.6	10
47	The changing research funding regime in Australia and academic productivity. *Mathematics and Computers in Simulation*, **2008**, 78, 283-291	3.3	7
46	Beyond Peak Oil: Will Our Cities Collapse?. *Journal of Urban Technology*, **2007**, 14, 15-30	5.9	21
45	The environmental impact of cities. *Environment and Urbanization*, **2006**, 18, 275-295	3.7	131
44	Pursuing Sustainability Through Enduring Value Creation **2006**, 305-312		
43	The city and the bush□partnerships to reverse the population decline in Australia's Wheatbelt. *Australian Journal of Agricultural Research*, **2005**, 56, 527		12
42	Developing metropolitan tourism on the fringe of central London. *International Journal of Tourism Research*, **2004**, 6, 339-348	3.7	49
41	On climbing trees: an Australian perspective on sustainability and political risk>. *Local Environment*, **2004**, 9, 611-619	3.3	1
40	Walking in a historical, international and contemporary context **2003**, 48-58		3
39	Sustainable urban water systems in rich and poor cities - steps towards a new approach. *Water Science and Technology*, **2001**, 43, 93-99	2.2	36
38	Sustainability and cities: extending the metabolism model. *Landscape and Urban Planning*, **1999**, 44, 219-226	7.7	414
37	Costs of Automobile Dependence: Global Survey of Cities. *Transportation Research Record*, **1999**, 1670, 17-26	1.7	31
36	The land use□transport connection. *Land Use Policy*, **1996**, 13, 1-22	5.6	180

35	Hope and Despair in Environmental Education. *Australian Journal of Environmental Education*, **1996**, 12, 85-86	0.6	1
34	Principles and planning opportunities for community scale systems of water and waste management. *Desalination*, **1996**, 106, 339-354	10.3	10
33	Reducing automobile dependence. *Environment and Urbanization*, **1996**, 8, 67-92	3.7	41
32	Sustainability and the post-modern city: some guidelines for urban planning and transport practice in an age of uncertainty. *The Environmentalist*, **1995**, 15, 257-266		5
31	Can we overcome automobile dependence?. *Cities*, **1995**, 12, 53-65	5.6	34
30	The Politics of Urban Redevelopment in London and Paris. *Planning Practice and Research*, **1995**, 10, 15-24	1.2	4
29	Electronic networking: Social and policy aspects of a rapidly growing technology Electronic networking: Policy aspects for Australia. *Computer Networks*, **1994**, 27, 411-418		
28	TORONTO PARADIGM REGAINED. *Australian Planner*, **1994**, 31, 137-147	0.6	16
27	Sustainable development and urban planning: Principles and applications in an Australian context. *Sustainable Development*, **1993**, 1, 25-40	6.7	8
26	Is There a Role for Physical Planners?. *Journal of the American Planning Association*, **1992**, 58, 353-362	2.9	46
25	Cities and oil dependence. *Cities*, **1991**, 8, 170-173	5.6	6
24	Transport and urban form in thirty-two of the world's principal cities. *Transport Reviews*, **1991**, 11, 249-272	7.9	57
23	Greenhouse, oil and cities. *Futures*, **1991**, 23, 335-348	3.6	12
22	Greenhouse revisited: A response to Troy. *Australian Planner*, **1990**, 28, 49-49	0.6	
21	Urban structure and air pollution. *Atmospheric Environment Part B Urban Atmosphere*, **1990**, 24, 43-48		18
20	Leachate quality from gypsum neutralized red mud applied to sandy soils. *Water, Air, and Soil Pollution*, **1989**, 47, 1-18	2.6	25
19	Gasoline Consumption and Cities. *Journal of the American Planning Association*, **1989**, 55, 24-37	2.9	576
18	Estimating Fleet Fuel Consumption for Vans and Small Trucks. *Transportation Science*, **1989**, 23, 46-50	4.4	6

17	Undergraduate Environmental Science the Murdoch Story. *Australian Journal of Environmental Education*, **1989**, 5, 32-38	0.6	
16	Fuel and time implications of merging traffic at freeway entrances. *Applied Mathematical Modelling*, **1988**, 12, 226-237	4.5	2
15	The transport energy trade-off: Fuel-efficient traffic versus fuel-efficient cities. *Transportation Research Part A: Policy and Practice*, **1988**, 22, 163-174		67
14	The development of a driving cycle for fuel consumption and emissions evaluation. *Transportation Research Part A: Policy and Practice*, **1986**, 20, 447-462		33
13	Transport energy use in the Perth Metropolitan Region: Some urban policy implications. *Urban Policy and Research*, **1985**, 3, 4-15	1.6	16
12	The rise or decline of the Australian inner city? An analysis of recent trends in population, housing, age structure and occupation. *Urban Policy and Research*, **1984**, 2, 7-16	1.6	4
11	Domestic energy use in Australian cities. *Urban Ecology*, **1982**, 7, 19-38		4
10	Glorious homes re-evaluated. *Australian Planner*, **1982**, 20, 151-152	0.6	
9	A Review of urban density models: Toward a resolution of the conflict between populace and planner. *Human Ecology*, **1981**, 9, 269-303	2	34
8	Rediscovering compact cities for sustainability15-31		
7	Transport priorities shaping the urban fabric: new methods and tools17-31		0
6	Urban passenger transport energy consumption and carbon dioxide emissions: a global review and assessment of some reduction strategies36-58		2
5	Environmental Impact: Part 2-Assessment for Twelve Selected Nations. *Journal of Environmental Systems*,4, 109-116		5
4	Environmental Impact: Part 1-Development of a Semi-quantitative Parameter and its Implications. *Journal of Environmental Systems*,4, 97-108		3
3	Framework for land value capture from investments in transit in car-dependent cities. *Journal of Transport and Land Use*,	3.1	11
2	Partnerships for Private Transit Investment – The History and Practice of Private Transit Infrastructure with a Case Study in Perth, Australia		2
1	Participatory Sustainability Approach to Value Capture Based Urban Rail Financing in India Through Deliberated Stakeholder Engagement		2