

# Wahidul K Biswas

## List of Publications by Year in descending order

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78  
papers

2,139  
citations

218381

26  
h-index

264894

42  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combating Urban Heat Island Effectâ€”A Review of Reflective Pavements and Tree Shading Strategies. Buildings, 2021, 11, 93.	1.4	66
2	A comparative life cycle assessment of structural flooring systems in Western Australia. Journal of Building Engineering, 2021, 35, 102109.	1.6	5
3	Environmental implications of the use of bio-cement treated recycled aggregate in concrete. Resources, Conservation and Recycling, 2021, 167, 105436.	5.3	55
4	Environmental Impact Evaluation of Current Municipal Solid Waste Treatments in India Using Life Cycle Assessment. Energies, 2021, 14, 3133.	1.6	18
5	Sustainability implications of service life on residential buildings â€” An application of life cycle sustainability assessment framework. Environmental and Sustainability Indicators, 2021, 10, 100109.	1.7	17
6	Techno-Assessment of the Use of Recycled Plastic Waste in RE. Sustainability, 2021, 13, 8678.	1.6	5
7	Eco-efficiency assessment of wave energy conversion in Western Australia. Journal of Cleaner Production, 2021, 312, 127814.	4.6	10
8	Development of eco-efficient bricks â€” A life cycle assessment approach. Journal of Building Engineering, 2021, 42, 102429.	1.6	12
9	Application of Life Cycle Assessment for Sustainability Evaluation of Transportation Fuels. , 2020, , 359-369.		3
10	Life Cycle Sustainability Assessment of Alternative Energy Sources for the Western Australian Transport Sector. Sustainability, 2020, 12, 5565.	1.6	14
11	Development of triple bottom line indicators for life cycle sustainability assessment of residential bulidings. Journal of Environmental Management, 2020, 264, 110476.	3.8	40
12	Environmental assessment of supplementary cementitious materials and engineered nanomaterials concrete. AIMS Environmental Science, 2020, 7, 13-30.	0.7	22
13	SUSTAINABILITY ASSESSMENT OF REINFORCED CONCRETE BEAM MIXES CONTAINING RECYCLED AGGREGATES AND INDUSTRIAL BY-PRODUCTS. Journal of Green Building, 2020, 15, 95-119.	0.4	9
14	Sustainability assessment for crude palm oil production in Malaysia using the palm oil sustainability assessment framework. Sustainable Development, 2019, 27, 253-269.	6.9	26
15	Environmental Life Cycle Assessment of Alternative Fuels for Western Australiaâ€™s Transport Sector. Atmosphere, 2019, 10, 398.	1.0	12
16	Decreasing the carbon footprint of an intensive rice-based cropping system using conservation agriculture on the Eastern Gangetic Plains. Journal of Cleaner Production, 2019, 218, 259-272.	4.6	38
17	Sustainability Implications of the Incorporation of a Biogas Trapping System into a Conventional Crude Palm Oil Supply Chain. Sustainability, 2019, 11, 792.	1.6	15
18	Eco-efficiency improvement of Western Australian remote area power supply. Journal of Cleaner Production, 2019, 230, 820-834.	4.6	20

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19	Impact of Service Life on the Environmental Performance of Buildings. Buildings, 2019, 9, 9.	1.4	19
20	Increases in soil sequestered carbon under conservation agriculture cropping decrease the estimated greenhouse gas emissions of wetland rice using life cycle assessment. Journal of Cleaner Production, 2019, 224, 72-87.	4.6	51
21	Carbon footprint and embodied energy assessment of roof-covering materials. Clean Technologies and Environmental Policy, 2019, 21, 1913-1923.	2.1	10
22	Techno-Economic and Environmental Implications of Electricity Generation from Solar Updraft Chimney Power Plant in Meekatharra in Western Australia. Innovative Renewable Energy, 2018, , 31-47.	0.2	1
23	Sustainability assessment of symbiotic processes for the reuse of phosphogypsum. Journal of Cleaner Production, 2018, 188, 497-507.	4.6	56
24	Application of life cycle assessment approach to deliver low carbon houses at regional level in Western Australia. International Journal of Life Cycle Assessment, 2018, 23, 204-224.	2.2	15
25	Research and application of non-traditional chemical stabilizers on bauxite residue (red sand) dust control, a review. Science of the Total Environment, 2018, 616-617, 1552-1565.	3.9	38
26	Eco-efficiency analysis for remote area power supply selection in Western Australia. Clean Technologies and Environmental Policy, 2018, 20, 463-475.	2.1	13
27	Effect of fly ash on the service life, carbon footprint and embodied energy of high strength concrete in the marine environment. Energy and Buildings, 2018, 158, 1694-1702.	3.1	69
28	Development of triple bottom line indicators for sustainability assessment framework of Malaysian palm oil industry. Clean Technologies and Environmental Policy, 2018, 20, 539-560.	2.1	24
29	Sustainable utilization of lime kiln dust as active filler in hot mix asphalt with moisture damage resistance. Sustainable Materials and Technologies, 2018, 17, e00071.	1.7	15
30	Remanufacturing as Pathway for Achieving Circular Economy for Indonesian SMEs. Smart Innovation, Systems and Technologies, 2017, , 408-417.	0.5	1
31	Application of a life cycle assessment to compare environmental performance in coal mine tailings management. Journal of Environmental Management, 2017, 199, 181-191.	3.8	41
32	Carbon footprint assessment of Western Australian Groundwater Recycling Scheme. Environmental Management, 2017, 59, 557-570.	1.2	9
33	Life cycle assessment for environmental product declaration of concrete in the Gulf States. Sustainable Cities and Society, 2017, 35, 36-46.	5.1	32
34	Life cycle cost estimation and environmental valuation of coal mine tailings management. Journal of Sustainable Mining, 2017, 16, 114-125.	0.1	17
35	Achieving environmentally friendly building envelope for Western Australia's housing sector: A life cycle assessment approach. International Journal of Sustainable Built Environment, 2016, 5, 210-224.	3.2	30
36	Remanufacturing as a means for achieving low-carbon SMEs in Indonesia. Clean Technologies and Environmental Policy, 2016, 18, 2363-2379.	2.1	18

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37	Cost-effective GHG mitigation strategies for Western Australia's housing sector: a life cycle management approach. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 2419-2428.	2.1	11
38	Application of 6R Principles in Sustainable Supply Chain Design of Western Australian White Goods. <i>Procedia CIRP</i> , 2016, 40, 318-323.	1.0	8
39	Environmental Generation of Cold Air for Machining. <i>Procedia CIRP</i> , 2016, 40, 648-652.	1.0	9
40	Greenhouse gas emissions from a Western Australian finfish supply chain. <i>Journal of Cleaner Production</i> , 2016, 112, 2079-2087.	4.6	16
41	Identification of an environmentally friendly symbiotic process for the reuse of industrial byproduct " an LCA perspective. <i>Journal of Cleaner Production</i> , 2016, 112, 3376-3387.	4.6	24
42	Sustainability Assessment of Remanufactured Computers. <i>Procedia CIRP</i> , 2016, 40, 150-155.	1.0	15
43	A life cycle assessment of processed meat products supplied to Barrow Island: A Western Australian case study. <i>Journal of Food Engineering</i> , 2016, 180, 48-59.	2.7	25
44	Greenhouse gas implications of novel and conventional rice production technologies in the Eastern-Gangetic plains. <i>Journal of Cleaner Production</i> , 2016, 112, 3977-3987.	4.6	43
45	A life cycle assessment of annual, N fertilised perennial and non-N fertilised perennial pastures, South-Western Australia. <i>International Journal of Agricultural Resources, Governance and Ecology</i> , 2015, 11, 63.	0.1	0
46	De-constructing the sustainability challenge for engineering education: an industrial ecology approach. <i>Progress in Industrial Ecology</i> , 2015, 9, 82.	0.1	3
47	An Evaluation of Holistic Sustainability Assessment Framework for Palm Oil Production in Malaysia. <i>Sustainability</i> , 2015, 7, 16561-16587.	1.6	23
48	Global Warming Implications of the Use of By-Products and Recycled Materials in Western Australia's Housing Sector. <i>Materials</i> , 2015, 8, 6909-6925.	1.3	24
49	Integrated spatial technology to mitigate greenhouse gas emissions in grain production. <i>Remote Sensing Applications: Society and Environment</i> , 2015, 2, 44-55.	0.8	0
50	Environmental supply chain management in the seafood industry: past, present and future approaches. <i>Journal of Cleaner Production</i> , 2015, 90, 82-90.	4.6	35
51	Advancing Environmentally Conscious Machining. <i>Procedia CIRP</i> , 2015, 26, 391-396.	1.0	22
52	Review of Existing Sustainability Assessment Methods for Malaysian Palm Oil Production. <i>Procedia CIRP</i> , 2015, 26, 13-18.	1.0	36
53	Investigation into Alternative Cooling Methods for Achieving Environmentally Friendly Machining Process. <i>Procedia CIRP</i> , 2015, 29, 645-650.	1.0	18
54	Carbon footprint and embodied energy consumption assessment of building construction works in Western Australia. <i>International Journal of Sustainable Built Environment</i> , 2014, 3, 179-186.	3.2	111

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55	Carbon footprint and embodied energy assessment of a civil works program in a residential estate of Western Australia. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 732-744.	2.2	46
56	Does growing grain legumes or applying lime cost effectively lower greenhouse gas emissions from wheat production in a semi-arid climate?. <i>Journal of Cleaner Production</i> , 2014, 83, 194-203.	4.6	60
57	Sustainable manufacturing for Indonesian small- and medium-sized enterprises (SMEs): the case of remanufactured alternators. <i>Journal of Remanufacturing</i> , 2013, 3, 1.	1.6	38
58	A comparison of repaired, remanufactured and new compressors used in Western Australian small- and medium-sized enterprises in terms of global warming. <i>Journal of Remanufacturing</i> , 2013, 3, 1.	1.6	10
59	An evaluation of integrated spatial technology framework for greenhouse gas mitigation in grain production in Western Australia. <i>Journal of Cleaner Production</i> , 2013, 57, 69-78.	4.6	17
60	Environmental life cycle feasibility assessment of hydrogen as an automotive fuel in Western Australia. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 246-254.	3.8	22
61	Sustainability Assessment of Red Sand as a Substitute for Virgin Sand and Crushed Limestone. <i>Journal of Industrial Ecology</i> , 2013, 17, 756-762.	2.8	21
62	Carbon footprint assessment of Western Australian LNG production and export to the Chinese market. <i>International Journal of Product Lifecycle Management</i> , 2013, 6, 339.	0.1	8
63	Assessment of industrial by-product synergies from process engineering and sustainability principles. <i>Progress in Industrial Ecology</i> , 2013, 8, 156.	0.1	3
64	The importance of industrial ecology in engineering education for sustainable development. <i>International Journal of Sustainability in Higher Education</i> , 2012, 13, 119-132.	1.6	43
65	Evaluating the global warming potential of the fresh produce supply chain for strawberries, romaine/cos lettuces ( <i>Lactuca sativa</i> ), and button mushrooms ( <i>Agaricus bisporus</i> ) in Western Australia using life cycle assessment (LCA). <i>Journal of Cleaner Production</i> , 2012, 28, 81-87.	4.6	89
66	Biodiesel Production in a Semiarid Environment: A Life Cycle Assessment Approach. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3069-3074.	4.6	24
67	Application of renewable energy to provide safe water from deep tubewells in rural Bangladesh. <i>Energy for Sustainable Development</i> , 2011, 15, 55-60.	2.0	12
68	A life cycle greenhouse gas assessment of remanufactured refrigeration and air conditioning compressors. <i>International Journal of Sustainable Manufacturing</i> , 2011, 2, 222.	0.3	30
69	Global warming contributions from wheat, sheep meat and wool production in Victoria, Australia â€” a life cycle assessment. <i>Journal of Cleaner Production</i> , 2010, 18, 1386-1392.	4.6	81
70	Global warming potential of wheat production in Western Australia: a life cycle assessment. <i>Water and Environment Journal</i> , 2008, 22, 206-216.	1.0	96
71	A regional synergy approach to energy recovery: The case of the Kwinana industrial area, Western Australia. <i>Energy Conversion and Management</i> , 2008, 49, 3051-3062.	4.4	37
72	A Review of the Application of Lifecycle Analysis to Renewable Energy Systems. <i>Bulletin of Science, Technology and Society</i> , 2008, 28, 200-209.	1.1	25

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73	Technologies for Safe Water Supply in Arsenic Affected Villages of Bangladesh Utilizing a Pedal Pump. , 2007, , .		1
74	Can photovoltaic technologies help attain sustainable rural development in Bangladesh?. Energy Policy, 2004, 32, 1199-1207.	4.2	43
75	Model for empowering rural poor through renewable energy technologies in Bangladesh. Environmental Science and Policy, 2001, 4, 333-344.	2.4	111
76	CO2Mitigation Potential of Efficient Demand-Side Technologies: The Case of Thailand. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1998, 20, 301-316.	0.5	13
77	Energy consumption in the domestic sector in a Bangladesh village. Energy, 1997, 22, 771-776.	4.5	16
78	Economic viability of biogas technology in a Bangladesh village. Energy, 1997, 22, 763-770.	4.5	24