

# Neil Stephen Lopez

## List of Publications by Year in Descending Order

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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.

22

papers

338

citations

6

h-index

18

g-index

28

ext. papers

403

ext. citations

5.6

avg, IF

3.79

L-index

#	Paper	IF	Citations
22	Spatiotemporal Comparison of Drivers to CO2 Emissions in ASEAN: A Decomposition Study. <i>Sustainability</i> , <b>2021</b> , 13, 6183	3.6	1
21	Modeling Traffic Flow, Energy Use, and Emissions Using Google Maps and Google Street View: The Case of EDSA, Philippines. <i>Sustainability</i> , <b>2021</b> , 13, 6682	3.6	1
20	Modeling Electric Vehicle Charging Demand with the Effect of Increasing EVSEs: A Discrete Event Simulation-Based Model. <i>Energies</i> , <b>2021</b> , 14, 3734	3.1	4
19	Comparison of Driving Forces to Increasing Traffic Flow and Transport Emissions in Philippine Regions: A Spatial Decomposition Study. <i>Sustainability</i> , <b>2021</b> , 13, 6500	3.6	0
18	Production- and consumption-based energy use in the ASEAN: Lessons from the Tiger and the cubs. <i>Journal of Cleaner Production</i> , <b>2021</b> , 304, 126986	10.3	2
17	Societal cost-benefit analysis of electric vehicles in the Philippines with the inclusion of impacts to balance of payments. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 150, 111492	16.2	2
16	Optimizing regional electricity trading with Carbon Emissions Pinch Analysis. <i>Energy</i> , <b>2021</b> , 237, 121544	7.9	3
15	Numerical simulation of thermal stratification and air quality in an underfloor air distribution system (UFAD). <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 463, 012021	0.3	
14	Towards more sustainable transport in Metro Manila: A case study of household vehicle ownership and energy consumption. <i>Transportation Research Interdisciplinary Perspectives</i> , <b>2020</b> , 6, 100163	7.3	3
13	Cost-benefit analysis of alternative vehicles in the Philippines using immediate and distant future scenarios. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2020</b> , 82, 102308	6.4	6
12	Assessing sustainability of long-term energy supply using desirability functions. <i>Energy Procedia</i> , <b>2019</b> , 158, 3723-3728	2.3	2
11	Life Cycle Cost and Benefit Analysis of Low Carbon Vehicle Technologies. <i>Green Energy and Technology</i> , <b>2018</b> , 131-146	0.6	4
10	“Drive outside of Peak Time to Avoid Traffic Jams” Public Transport Is Not Attractive Here.” Challenging Discourses on Travel to the University Campus in Manila. <i>Sustainability</i> , <b>2018</b> , 10, 1462	3.6	6
9	Decomposing drivers of transportation energy consumption and carbon dioxide emissions for the Philippines: the case of developing countries. <i>Frontiers in Energy</i> , <b>2018</b> , 12, 389-399	2.6	11
8	Understanding of Determinants of Household Vehicle Ownership Level toward Urban Sustainable Transportation in Southeast Asia   A Case Study in Metro Manila <b>2018</b> ,		1
7	Electricity trading and its effects on global carbon emissions: A decomposition analysis study. <i>Journal of Cleaner Production</i> , <b>2018</b> , 195, 532-539	10.3	13
6	Driving forces of Iran’s CO2 emissions from energy consumption: An LMDI decomposition approach. <i>Applied Energy</i> , <b>2017</b> , 206, 804-814	10.7	168

5	Decomposition analysis of Philippine CO2 emissions from fuel combustion and electricity generation. <i>Applied Energy</i> , <b>2016</b> , 164, 795-804	10.7	98
4	Design of modified Magnus wind rotors using computational fluid dynamics simulation and multi-response optimization. <i>Journal of Renewable and Sustainable Energy</i> , <b>2015</b> , 7, 063135	2.5	3
3	Preliminary turbulence model validation for flow across rotating cylinders using ANSYS CFX <b>2014</b> ,		3
2	Development and validation of a CFD model using ANSYS CFX for aerodynamics simulation of Magnus wind rotor blades <b>2014</b> ,		4
1	Uncovering the significant socio-economic attributes of low- and high-emission countries using rough sets. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	1