

# Anthony Chiu

## 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.

101  
papers

4,236  
citations

34  
h-index

63  
g-index

113  
ext. papers

5,071  
ext. citations

7.3  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
101	Circular economy-driven two-stage supply chain management for nullifying waste. <i>Journal of Cleaner Production</i> , <b>2022</b> , 339, 130513	10.3	15
100	How Is the Sustainable Consumption Intention Model in Food Industry under Preference Uncertainties? The Consumer Willingness to Pay on Recycled Packaging Material. <i>Sustainability</i> , <b>2021</b> , 13, 11578	3.6	3
99	Sustainable supply chain management trends in world regions: A data-driven analysis. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 167, 105421	11.9	29
98	Spatial characteristics and its driving factors of low-carbon energy technology innovation in China: A gravity movement and exploratory spatial data analysis. <i>Journal of Cleaner Production</i> , <b>2021</b> , 295, 126481	10.3	9
97	Opportunity or threat in balancing social, economic and environmental impacts: The appearance of the Polar Silk Road. <i>Environmental Impact Assessment Review</i> , <b>2021</b> , 88, 106570	5.3	4
96	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
95	Cleaner production progress in developing and transition countries. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123763	10.3	8
94	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
93	Shifting from fossil-based economy to bio-based economy: Status quo, challenges, and prospects. <i>Energy</i> , <b>2021</b> , 228, 120533	7.9	14
92	Impact of subsidy policies on green products with consideration of consumer behaviors: Subsidy for firms or consumers?. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 173, 105669	11.9	8
91	Can disruptive events trigger transitions towards sustainable consumption?. <i>Cleaner and Responsible Consumption</i> , <b>2020</b> , 1, 100001	1.6	11
90	Renewable Energy System on Frequency Stability Control Strategy Using Virtual Synchronous Generator. <i>Symmetry</i> , <b>2020</b> , 12, 1697	2.7	7
89	On general principles at the sustainability science-policy interface. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 158, 104828	11.9	8
88	Differentiating ethical imperatives of the collective sustainability research community and the individual researcher. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 160, 104928	11.9	2
87	Sustainable packaged food and beverage consumption transition in Indonesia: Persuasive communication to affect consumer behavior. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 161, 104933	11.9	9
86	Effective municipal solid waste management capability under uncertainty in Vietnam: Utilizing economic efficiency and technology to foster social mobilization and environmental integrity. <i>Journal of Cleaner Production</i> , <b>2020</b> , 259, 120981	10.3	28
85	A Proposed Framework on the Affective Design of Eco-Product Labels. <i>Sustainability</i> , <b>2020</b> , 12, 3234	3.6	9

84	A performance assessment approach for integrated solid waste management using a sustainable balanced scorecard approach. <i>Journal of Cleaner Production</i> , <b>2020</b> , 251, 119740	10.3	30
83	Circular economy enables sustainable consumption and production in multi-level supply chain system. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 154, 104601	11.9	48
82	Modelling a decision-making network for sustainable manufacturing strategy. <i>Progress in Industrial Ecology</i> , <b>2020</b> , 14, 58	0.8	3
81	Holistically addressing uncertainty in group decision-making: the case of a 'quasi-collaborative' group structure. <i>International Journal of Mathematics in Operational Research</i> , <b>2020</b> , 16, 316	0.8	
80	Profit Maximization for Waste Furniture Recycled in Taiwan Using Cradle-to-Cradle Production Programming. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-15	1.1	1
79	Photovoltaic array prediction on short-term output power method in Centralized power generation system. <i>Annals of Operations Research</i> , <b>2020</b> , 290, 243-263	3.2	5
78	Can an island economy be more sustainable? A comparative study of Indonesia, Malaysia, and the Philippines. <i>Journal of Cleaner Production</i> , <b>2020</b> , 242, 118572	10.3	3
77	Accelerating the transition to equitable, sustainable, and livable cities: Toward post-fossil carbon societies. <i>Journal of Cleaner Production</i> , <b>2019</b> , 239, 118020	10.3	7
76	Riding the wave of belt and road initiative in servitization: Lessons from China. <i>International Journal of Production Economics</i> , <b>2019</b> , 211, 15-21	9.3	14
75	Causal sustainable resource management model using a hierarchical structure and linguistic preferences. <i>Journal of Cleaner Production</i> , <b>2019</b> , 229, 640-651	10.3	17
74	Enhancing corporate knowledge management and sustainable development: An inter-dependent hierarchical structure under linguistic preferences. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 146, 560-579	11.9	13
73	Optimal human resource planning with P-graph for universities undergoing transition. <i>Journal of Cleaner Production</i> , <b>2019</b> , 224, 811-822	10.3	10
72	Effects of Carbon-Emission and Setup Cost Reduction in a Sustainable Electrical Energy Supply Chain Inventory System. <i>Energies</i> , <b>2019</b> , 12, 1226	3.1	10
71	Biofuels for vehicles in Taiwan: Using system dynamics modeling to evaluate government subsidy policies. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 145, 31-39	11.9	22
70	Uncovering urban food-energy-water nexus based on physical input-output analysis: The case of the Detroit Metropolitan Area. <i>Applied Energy</i> , <b>2019</b> , 252, 113422	10.7	31
69	Reprint of: Service innovation in sustainable product service systems: Improving performance under linguistic preferences. <i>International Journal of Production Economics</i> , <b>2019</b> , 217, 159-170	9.3	15
68	Pathways and barriers to circularity in food systems. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 143, 236-237	11.9	34
67	Enhancing the Lithium-ion battery life predictability using a hybrid method. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 74, 110-121	7.5	39

66	Green and lean sustainable development path in China: Guanxi , practices and performance. <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 128, 240-249	11.9	65
65	Applying fuzzy interpretive structural modeling to evaluate responsible consumption and production under uncertainty. <i>Industrial Management and Data Systems</i> , <b>2018</b> , 118, 432-462	3.6	21
64	Responsible consumption and production (RCP) in corporate decision-making models using soft computation. <i>Industrial Management and Data Systems</i> , <b>2018</b> , 118, 322-329	3.6	18
63	Circular economy meets industry 4.0: Can big data drive industrial symbiosis?. <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 131, 146-147	11.9	212
62	Final production-based emissions of regions in China. <i>Economic Systems Research</i> , <b>2018</b> , 30, 18-36	2.1	22
61	Service innovation in sustainable product service systems: Improving performance under linguistic preferences. <i>International Journal of Production Economics</i> , <b>2018</b> , 203, 414-425	9.3	34
60	A Hybrid of Multi-Objective Optimization and System Dynamics Simulation for Straw-to-Electricity Supply Chain Management under the Belt and Road Initiatives. <i>Sustainability</i> , <b>2018</b> , 10, 868	3.6	5
59	Exploring the Decisive Risks of Green Development Projects by Adopting Social Network Analysis under Stakeholder Theory. <i>Sustainability</i> , <b>2018</b> , 10, 2104	3.6	6
58	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
57	Target-oriented robust optimization of a microgrid system investment model. <i>Frontiers in Energy</i> , <b>2018</b> , 12, 440-455	2.6	5
56	Virtual Water Scarcity Risk to the Global Trade System. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 673-683	10.3	51
55	The impact of 3D Printing Technology on the supply chain: Manufacturing and legal perspectives. <i>International Journal of Production Economics</i> , <b>2018</b> , 205, 156-162	9.3	82
54	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
53	Unpacking the indirect effects and consequences of environmental regulation. <i>International Journal of Production Economics</i> , <b>2017</b> , 186, 46-54	9.3	8
52	A bibliometric review: Energy consumption and greenhouse gas emissions in the residential sector. <i>Journal of Cleaner Production</i> , <b>2017</b> , 159, 301-316	10.3	74
51	Measuring business sustainability in food service operations: a case study in the fast food industry. <i>Benchmarking</i> , <b>2017</b> , 24, 1037-1051	4	12
50	Philippine resource efficiency in Asian context: Status, trends and driving forces of Philippine material flows from 1980 to 2008. <i>Journal of Cleaner Production</i> , <b>2017</b> , 153, 63-73	10.3	21
49	Towards climate-proof industrial networks. <i>Resources, Conservation and Recycling</i> , <b>2017</b> , 127, 244-245	11.9	8

48	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
47	Reprint "Unpacking the indirect effects and consequences of environmental". <i>International Journal of Production Economics</i> , <b>2017</b> , 190, 22-30	9.3	1
46	Developing the Chinese Environmentally Extended Input-Output (CEEIO) Database. <i>Journal of Industrial Ecology</i> , <b>2017</b> , 21, 953-965	7.2	48
45	Achieving competitive advantage through supply chain agility under uncertainty: A novel multi-criteria decision-making structure. <i>International Journal of Production Economics</i> , <b>2017</b> , 190, 96-107	9.3	87
44	Improving sustainable supply chain management using a novel hierarchical grey-DEMATEL approach. <i>Journal of Cleaner Production</i> , <b>2016</b> , 134, 469-481	10.3	175
43	Possibility of developing low-carbon industries through urban symbiosis in Asian cities. <i>Journal of Cleaner Production</i> , <b>2016</b> , 114, 376-386	10.3	49
42	Sustainable development in technological and vocational higher education: balanced scorecard measures with uncertainty. <i>Journal of Cleaner Production</i> , <b>2016</b> , 120, 1-12	10.3	41
41	Identifying the competitive determinants of firms' green supply chain capabilities under uncertainty. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 1247-1262	4.3	34
40	Recent trend of industrial emissions in developing countries. <i>Applied Energy</i> , <b>2016</b> , 166, 187-190	10.7	18
39	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
38	Recent progress on innovative eco-industrial development. <i>Journal of Cleaner Production</i> , <b>2016</b> , 114, 1-10	10.3	42
37	Greenhouse gas emission factors of purchased electricity from interconnected grids. <i>Applied Energy</i> , <b>2016</b> , 184, 751-758	10.7	29
36	A fuzzy linear programming enterprise input-output model for optimal crisis operations in industrial complexes. <i>International Journal of Production Economics</i> , <b>2016</b> , 181, 410-418	9.3	26
35	Global Electricity Trade Network: Structures and Implications. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160869	3.7	9
34	Global Drivers of Russian Timber Harvest. <i>Journal of Industrial Ecology</i> , <b>2016</b> , 20, 515-525	7.2	33
33	Scaling of global input-output networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2016</b> , 452, 311-319	3.3	19
32	Understanding taxi travel patterns. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2016</b> , 457, 590-597	3.7	49
31	Energy and material flows of megacities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5985-90	11.5	303

30	Exploring decisive factors in green supply chain practices under uncertainty. <i>International Journal of Production Economics</i> , <b>2015</b> , 159, 147-157	9.3	96
29	Assessing land-use impacts by clean vehicle systems. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 95, 112-119	11.9	9
28	Uncovering China's transport CO2 emission patterns at the regional level. <i>Energy Policy</i> , <b>2014</b> , 74, 134-146	6.2	79
27	Siting public electric vehicle charging stations in Beijing using big-data informed travel patterns of the taxi fleet. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2014</b> , 33, 39-46	6.4	159
26	Call for papers: Towards post fossil carbon societies: regenerative and preventative eco-industrial development. <i>Journal of Cleaner Production</i> , <b>2014</b> , 68, 4-6	10.3	12
25	Emergy-based assessment on industrial symbiosis: a case of Shenyang Economic and Technological Development Zone. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13572-87	5.1	91
24	Implementation and Performance Evaluation of a Firm's Green Supply Chain Management under Uncertainty. <i>Industrial Engineering and Management Systems</i> , <b>2014</b> , 13, 15-28	2.5	10
23	Evaluating firm's green supply chain management in linguistic preferences. <i>Journal of Cleaner Production</i> , <b>2013</b> , 40, 22-31	10.3	260
22	Improving performance of green innovation practices under uncertainty. <i>Journal of Cleaner Production</i> , <b>2013</b> , 40, 71-82	10.3	182
21	Performance drivers of green innovation under incomplete information. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 40, 234-250		15
20	Using the Analytical Network Process in Porter's Five Forces Analysis [Case Study in Philippines]. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 57, 1-9		9
19	Grey-Entropy Analytical Network Process for Green Innovation Practices. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 57, 10-21		25
18	Evaluating Green Supply Chain Management with Incomplete Information. <i>Industrial Engineering and Management Systems</i> , <b>2012</b> , 11, 165-169	2.5	1
17	Using hybrid method to evaluate the green performance in uncertainty. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 175, 367-85	3.1	57
16	MILP model for emergy optimization in EIP water networks. <i>Clean Technologies and Environmental Policy</i> , <b>2011</b> , 13, 703-712	4.3	24
15	Positioning strategic competitiveness of green business innovation capabilities using hybrid method. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 1839-1849	7.8	37
14	Emergy-based fuzzy optimization approach for water reuse in an eco-industrial park. <i>Resources, Conservation and Recycling</i> , <b>2011</b> , 55, 730-737	11.9	49
13	Supply chain management strategy practices in Taiwan <b>2011</b> ,		1

12	Fuzzy AHP-based study of cleaner production implementation in Taiwan PWB manufacturer. <i>Journal of Cleaner Production</i> , <b>2009</b> , 17, 1249-1256	10.3	155
11	Introduction to the special issue on Advances in Life-Cycle Approaches to Business and Resource Management in the Asia-Pacific Region. <i>Journal of Cleaner Production</i> , <b>2009</b> , 17, 1237-1240	10.3	11
10	Game theory approach to the analysis of inter-plant water integration in an eco-industrial park. <i>Journal of Cleaner Production</i> , <b>2009</b> , 17, 1611-1619	10.3	117
9	Using FANP approach on selection of competitive priorities based on cleaner production implementation: a case study in PCB manufacturer, Taiwan. <i>Clean Technologies and Environmental Policy</i> , <b>2008</b> , 10, 17-29	4.3	93
8	Strategies for sustainable development of industrial park in Ulsan, South Korea—from spontaneous evolution to systematic expansion of industrial symbiosis. <i>Journal of Environmental Management</i> , <b>2008</b> , 87, 1-13	7.9	146
7	Evaluation of Worker Productivity Improvement Using ISM and FAHP <b>2007</b> ,		3
6	The relationship of continuous improvement and cleaner production on operational performance: An empirical study in electronic manufacturing firms, Taiwan China. <i>International Journal of Management Science and Engineering Management</i> , <b>2006</b> , 1, 71-80	2.8	21
5	On the industrial ecology potential in Asian Developing Countries. <i>Journal of Cleaner Production</i> , <b>2004</b> , 12, 1037-1045	10.3	123
4	Applications of industrial ecology—an overview of the special issue. <i>Journal of Cleaner Production</i> , <b>2004</b> , 12, 803-807	10.3	16
3	Ecology, Systems, and Networking: Walking the Talk in Asia. <i>Journal of Industrial Ecology</i> , <b>2001</b> , 5, 6-8	7.2	5
2	A bi-level optimization model for technology selection. <i>Journal of Industrial and Production Engineering</i> , 1-8	1	0
1	Validating green building social sustainability indicators in China using the fuzzy delphi method. <i>Journal of Industrial and Production Engineering</i> , 1-19	1	1