## Mario Giampietro

## List of Publications by Citations

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155
papers

3,725
citations

4,447
ext. papers

35
h-index

5,6
avg, IF

53
g-index

6.24
L-index

#	Paper	IF	Citations
155	Feasibility of Large-Scale Biofuel Production. <i>BioScience</i> , <b>1997</b> , 47, 587-600	5.7	204
154	Multi-scale integrated analysis of societal and ecosystem metabolism (MuSIASEM): Theoretical concepts and basic rationale. <i>Energy</i> , <b>2009</b> , 34, 313-322	7.9	134
153	What is wrong with evidence based policy, and how can it be improved?. <i>Futures</i> , <b>2017</b> , 91, 62-71	3.6	113
152	On the Circular Bioeconomy and Decoupling: Implications for Sustainable Growth. <i>Ecological Economics</i> , <b>2019</b> , 162, 143-156	5.6	108
151	Are Local Food Chains More Sustainable than Global Food Chains? Considerations for Assessment. <i>Sustainability</i> , <b>2016</b> , 8, 449	3.6	108
150	The Hijacking of the Bioeconomy. <i>Ecological Economics</i> , <b>2019</b> , 159, 189-197	5.6	95
149	Multiple-Scale Integrated Assessment of Societal Metabolism: Introducing the Approach. <i>Population and Environment</i> , <b>2000</b> , 22, 109-153	4	86
148	Fossil energy use in agriculture: an international comparison. <i>Agriculture, Ecosystems and Environment</i> , <b>1997</b> , 65, 231-243	5.7	80
147	Using hierarchy theory to explore the concept of sustainable development. <i>Futures</i> , <b>1994</b> , 26, 616-625	3.6	75
146	Integrated assessment and energy analysis: Quality assurance in multi-criteria analysis of sustainability. <i>Energy</i> , <b>2006</b> , 31, 59-86	7.9	73
145	The energetic metabolism of societies and the degrowth paradigm: analyzing biophysical constraints and realities. <i>Journal of Cleaner Production</i> , <b>2013</b> , 38, 80-93	10.3	71
144	Multiple-Scale Integrated Assessments of Societal Metabolism: Integrating Biophysical and Economic Representations Across Scales. <i>Population and Environment</i> , <b>2000</b> , 22, 155-210	4	71
143	The Biofuel Delusion		70
142	Questioning the Ecological Footprint. <i>Ecological Indicators</i> , <b>2016</b> , 69, 224-232	5.8	66
141	Footprints to nowhere. <i>Ecological Indicators</i> , <b>2014</b> , 46, 610-621	5.8	64
140	Integrated Assessment of Large-Scale Biofuel Production. <i>Critical Reviews in Plant Sciences</i> , <b>2005</b> , 24, 365-384	5.6	61
139	Food Security and Fossil Energy Dependence: An International Comparison of the Use of Fossil Energy in Agriculture (1991-2003). <i>Critical Reviews in Plant Sciences</i> , <b>2011</b> , 30, 45-63	5.6	55

## (2020-2006)

138	The epistemological predicament associated with purposive quantitative analysis. <i>Ecological Complexity</i> , <b>2006</b> , 3, 307-327	2.6	55
137	The epistemological challenge of self-modifying systems: Governance and sustainability in the post-normal science era. <i>Ecological Economics</i> , <b>2006</b> , 57, 382-399	5.6	54
136	A multi-scale analysis of urban waste metabolism: density of waste disposed in Campania. <i>Journal of Cleaner Production</i> , <b>2012</b> , 35, 59-70	10.3	53
135	On China's exosomatic energy metabolism: An application of multi-scale integrated analysis of societal metabolism (MSIASM). <i>Ecological Economics</i> , <b>2007</b> , 63, 174-191	5.6	53
134	Energy analysis of agricultural ecosystem management: human return and sustainability. <i>Agriculture, Ecosystems and Environment</i> , <b>1992</b> , 38, 219-244	5.7	52
133	Socioeconomic constraints to farming with biodiversity. <i>Agriculture, Ecosystems and Environment</i> , <b>1997</b> , 62, 145-167	5.7	50
132	Multi-Scale Integrated Analysis of Agroecosystems		50
131	Socioeconomic pressure, demographic pressure, environmental loading and technological changes in agriculture. <i>Agriculture, Ecosystems and Environment</i> , <b>1997</b> , 65, 201-229	5.7	42
130	A dynamic model of socioeconomic systems based on hierarchy theory and its application to sustainability. <i>Structural Change and Economic Dynamics</i> , <b>1997</b> , 8, 453-469	4.5	40
129	Assessment of the energetics of human labor. <i>Agriculture, Ecosystems and Environment</i> , <b>1990</b> , 32, 257-7	27 <b>3</b> .7	40
129	Assessment of the energetics of human labor. <i>Agriculture, Ecosystems and Environment</i> , <b>1990</b> , 32, 257-7.  Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , <b>2012</b> , 22, 322-336	27 <b>3</b> .7 2.6	40 38
	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i>	2.6	
128	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , <b>2012</b> , 22, 322-336  Energy efficiency: Assessing the interaction between humans and their environment. <i>Ecological</i>	2.6	38
128	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , <b>2012</b> , 22, 322-336  Energy efficiency: Assessing the interaction between humans and their environment. <i>Ecological Economics</i> , <b>1991</b> , 4, 117-144  Self-sufficiency or surplus: Conflicting local and national rural development goals in Cambodia.	2.6 5.6	38
128 127 126	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , <b>2012</b> , 22, 322-336  Energy efficiency: Assessing the interaction between humans and their environment. <i>Ecological Economics</i> , <b>1991</b> , 4, 117-144  Self-sufficiency or surplus: Conflicting local and national rural development goals in Cambodia. <i>Land Use Policy</i> , <b>2013</b> , 34, 342-352	2.6 5.6 5.6	38 38 37
128 127 126	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , 2012, 22, 322-336  Energy efficiency: Assessing the interaction between humans and their environment. <i>Ecological Economics</i> , 1991, 4, 117-144  Self-sufficiency or surplus: Conflicting local and national rural development goals in Cambodia. <i>Land Use Policy</i> , 2013, 34, 342-352  Georgescu-Roegen/Daly versus Solow/Stiglitz Revisited. <i>Ecological Economics</i> , 1998, 27, 115-117	<ul><li>2.6</li><li>5.6</li><li>5.6</li></ul>	38 38 37 37
128 127 126 125	Sustainable Development Indicators: From Statistics to Policy. <i>Environmental Policy and Governance</i> , 2012, 22, 322-336  Energy efficiency: Assessing the interaction between humans and their environment. <i>Ecological Economics</i> , 1991, 4, 117-144  Self-sufficiency or surplus: Conflicting local and national rural development goals in Cambodia. <i>Land Use Policy</i> , 2013, 34, 342-352  Georgescu-Roegen/Daly versus Solow/Stiglitz Revisited. <i>Ecological Economics</i> , 1998, 27, 115-117  Sustainability and Technological Development in Agriculture. <i>BioScience</i> , 1994, 44, 677-689  Structuring an integrated water-energy-food nexus assessment of a local wind energy desalination	2.6 5.6 5.6 5.7	38 38 37 37

120	New narratives for innovation. Journal of Cleaner Production, 2018, 197, 1849-1853	10.3	35
119	Distinguishing ecological engineering from environmental engineering. <i>Ecological Engineering</i> , <b>2003</b> , 20, 389-407	3.9	34
118	Energy Analysis for a Sustainable Future <b>2013</b> ,		33
117	Catalonia's energy metabolism: Using the MuSIASEM approach at different scales. <i>Energy Policy</i> , <b>2009</b> , 37, 4658-4671	7.2	33
116	The technique is never neutral. How methodological choices condition the generation of narratives for sustainability. <i>Environmental Science and Policy</i> , <b>2020</b> , 106, 87-98	6.2	32
115	Are energy statistics useful for making energy scenarios?. <i>Energy</i> , <b>2012</b> , 37, 5-17	7.9	31
114	Multiple-Scale Integrated Analysis of Farming Systems: The Thuong Lo Commune (Vietnamese Uplands) Case Study. <i>Population and Environment</i> , <b>2001</b> , 22, 315-352	4	30
113	Probing uncertainty levels of electrification in informal urban settlements: A case from South Africa. <i>Habitat International</i> , <b>2016</b> , 56, 212-221	4.6	28
112	Beyond Beyond GDP indicators: The need for reflexivity in science for governance. <i>Ecological Complexity</i> , <b>2015</b> , 21, 53-61	2.6	26
111	The energy metabolism of China and India between 1971 and 2010: Studying the bifurcation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 41, 1052-1066	16.2	26
110	The Metabolic Pattern of Societies		26
109	Comments on The Energetic Metabolism of the European Union and the United States by Haberl and Colleagues: Theoretical and Practical Considerations on the Meaning and Usefulness of Traditional Energy Analysis. <i>Journal of Industrial Ecology</i> , <b>2008</b> , 10, 173-185	7.2	25
108	Labor productivity: A biophysical definition and assessment. Human Ecology, 1993, 21, 229-260	2	24
107	A multiscale integrated analysis of the factors characterizing the sustainability of food systems in Europe. <i>Journal of Environmental Management</i> , <b>2020</b> , 271, 110944	7.9	24
106	Models of energy analysis to assess the performance of food systems. <i>Agricultural Systems</i> , <b>1994</b> , 45, 19-41	6.1	23
105	A <b>G</b> rammarlfor assessing the performance of power-supply systems: Comparing nuclear energy to fossil energy. <i>Energy</i> , <b>2013</b> , 49, 162-177	7.9	22
104	Graphic tools for data representation in integrated analysis of farming systems. <i>International Journal of Global Environmental Issues</i> , <b>2005</b> , 5, 264	0.8	22
	The Water Metabolism of Socio-Ecological Systems: Reflections and a Conceptual Framework.		

102	Multi-scale integrated analysis of rural Laos: Studying metabolic patterns of land uses across different levels and scales. <i>Land Use Policy</i> , <b>2014</b> , 36, 155-170	5.6	21	
101	Biodiversity use and technical performance of freshwater fish aquaculture in different socioeconomic contexts: China and Italy. <i>Agriculture, Ecosystems and Environment</i> , <b>1997</b> , 62, 169-185	5.7	21	
100	Environmental pressure of the European agricultural system: Anticipating the biophysical consequences of internalization. <i>Ecosystem Services</i> , <b>2020</b> , 46, 101195	6.1	21	
99	Analogy between Sudoku and the multi-scale integrated analysis of societal metabolism. <i>Ecological Informatics</i> , <b>2015</b> , 26, 18-28	4.2	20	
98	A holistic framework for the integrated assessment of urban waste management systems. <i>Ecological Indicators</i> , <b>2018</b> , 94, 24-36	5.8	20	
97	Unraveling the Complexity of the Jevons Paradox: The Link Between Innovation, Efficiency, and Sustainability. <i>Frontiers in Energy Research</i> , <b>2018</b> , 6,	3.8	20	
96	Multi-scale integrated analysis of sustainability: a methodological tool to improve the quality of narratives. <i>International Journal of Global Environmental Issues</i> , <b>2005</b> , 5, 119	0.8	20	
95	Societal Metabolism and Multiple-Scale Integrated Assessment: Empirical Validation and Examples of Application. <i>Population and Environment</i> , <b>2000</b> , 22, 211-254	4	20	
94	Analyzing the energy performance of manufacturing across levels using the end-use matrix. <i>Energy</i> , <b>2018</b> , 161, 559-572	7.9	19	
93	Holons, creaons, genons, environs, in hierarchy theory: Where we have gone. <i>Ecological Modelling</i> , <b>2014</b> , 293, 31-41	3	19	
92	Generating better energy indicators: Addressing the existence of multiple scales and multiple dimensions. <i>Ecological Modelling</i> , <b>2011</b> , 223, 41-53	3	19	
91	Socio-technical discourses of European electricity decarbonization: Contesting narrative credibility and legitimacy with quantitative story-telling. <i>Energy Research and Social Science</i> , <b>2020</b> , 59, 101279	7.7	19	
90	Perception and Representation of the Resource Nexus at the Interface between Society and the Natural Environment. <i>Sustainability</i> , <b>2018</b> , 10, 2545	3.6	19	
89	Multidimensional Reading of the Dynamics of Rural Intensification in China: The Amoeba Approach. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 299-329	5.6	18	
88	The Complexity of Food Systems: Defining Relevant Attributes and Indicators for the Evaluation of Food Supply Chains in Spain. <i>Sustainability</i> , <b>2016</b> , 8, 515	3.6	18	
87	Characterizing the metabolic pattern of urban systems using MuSIASEM: The case of Barcelona. <i>Energy Policy</i> , <b>2019</b> , 124, 13-22	7.2	18	
86	An Optimum Population for North and Latin America. <i>Population and Environment</i> , <b>1998</b> , 20, 125-148	4	17	
85	Another View of Development, Ecological Degradation, and North-South Trade. <i>Review of Social Economy</i> , <b>1998</b> , 56, 20-36	0.4	17	

84	Development of a municipal solid waste management decision support tool for Naples, Italy. Journal of Cleaner Production, <b>2017</b> , 161, 1032-1043	10.3	16
83	Footworking in circles. <i>Ecological Indicators</i> , <b>2014</b> , 46, 260-263	5.8	16
82	General Trends of Technological Changes in Agriculture. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 261	-382	16
81	Energy efficiency and nutrition in societies based on human labor. <i>Ecology of Food and Nutrition</i> , <b>1992</b> , 28, 11-32	1.9	16
80	Fallacies of energy efficiency indicators: Recognizing the complexity of the metabolic pattern of the economy. <i>Energy Policy</i> , <b>2020</b> , 137, 111089	7.2	16
79	Why does the European Union produce biofuels? Examining consistency and plausibility in prevailing narratives with quantitative storytelling. <i>Energy Research and Social Science</i> , <b>2021</b> , 71, 10181	o <sup>7.7</sup>	16
78	Land poverty and emerging ruralities in Cambodia: insights from Kampot province. <i>Environment, Development and Sustainability</i> , <b>2014</b> , 16, 823-840	4.5	15
77	Empty promises or promising futures? The case of smart grids. <i>Energy</i> , <b>2015</b> , 93, 67-74	7.9	15
76	The precautionary principle and ecological hazards of genetically modified organisms. <i>Ambio</i> , <b>2002</b> , 31, 466-70	6.5	15
75	Between theory and quantification: An integrated analysis of metabolic patterns of informal urban settlements. <i>Energy Policy</i> , <b>2017</b> , 100, 377-386	7.2	14
74	Facing complexity on agro-ecosystems: a new approach to farming system analysis. <i>International Journal of Agricultural Resources, Governance and Ecology</i> , <b>2006</b> , 5, 116	0.2	14
73	Narratives and transdisciplines for a post-industrial world. <i>Systems Research and Behavioral Science</i> , <b>2006</b> , 23, 595-615	1.8	14
72	Multiple-Scale Integrated Assessment of Societal Metabolism: An Analytical Tool to Study Development and Sustainability. <i>Environment, Development and Sustainability</i> , <b>2001</b> , 3, 275-307	4.5	14
71	Multi-scale integrated evaluation of the sustainability of large-scale use of alternative feeds in salmon aquaculture. <i>Journal of Cleaner Production</i> , <b>2020</b> , 248, 119210	10.3	14
70	Technological Changes in Energy Use in U.S. Agricultural Production. <i>Ecological Studies</i> , <b>1990</b> , 305-321	1.1	14
69	An integrated multi-scale approach to assess the performance of energy systems illustrated with data from the Brazilian oil and natural gas sector. <i>Energy</i> , <b>2016</b> , 115, 1412-1423	7.9	13
68	Conventional and Land-Time Budget Analysis of Rural Villages in Hubei Province, China		13
67	Environmental accounting for ecosystem conservation: Linking societal and ecosystem metabolisms. <i>Ecological Modelling</i> , <b>2017</b> , 346, 10-19	3	12

66	The Jevons Paradox and the Myth of Resource Efficiency Improvements		11
65	An alternative to market-oriented energy models: Nexus patterns across hierarchical levels. <i>Energy Policy</i> , <b>2019</b> , 126, 431-443	7.2	11
64	Mapping degrees of complexity, complicatedness, and emergent complexity. <i>Ecological Complexity</i> , <b>2018</b> , 35, 39-44	2.6	10
63	Relational analysis of the resource nexus in arid land crop production. <i>Advances in Water Resources</i> , <b>2019</b> , 130, 258-269	4.7	10
62	An assessment of the metabolic profile implied by agricultural change in two rural communities in the North of Argentina. <i>Environment, Development and Sustainability</i> , <b>2014</b> , 16, 903-924	4.5	10
61	Multi-Scale Integrated Analysis of Charcoal Production in Complex Social-Ecological Systems. <i>Frontiers in Environmental Science</i> , <b>2017</b> , 5,	4.8	10
60	Conventional and Land-Time Budget Analysis of Rural Villages in Hubei Province, China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 331-357	5.6	10
59	Sustainable development: Scientific and ethical assessments. <i>Journal of Agricultural and Environmental Ethics</i> , <b>1992</b> , 5, 27-57	2.3	10
58	Proposing a general energy accounting scheme with indicators for responsible development: Beyond monism. <i>Ecological Indicators</i> , <b>2014</b> , 47, 50-66	5.8	9
57	Introduction to the Special Issues on Societal Metabolism: Blending New Insights from Complex System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108	4	9
57 56	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population</i>	5.6	9
	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i>		
56	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 257-259  Limits to population size: Three scenarios of energy interaction between human society and		9
56 55	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 257-259  Limits to population size: Three scenarios of energy interaction between human society and ecosystem. <i>Population and Environment</i> , <b>1992</b> , 14, 109-131	5.6 4	9
<ul><li>56</li><li>55</li><li>54</li></ul>	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 257-259  Limits to population size: Three scenarios of energy interaction between human society and ecosystem. <i>Population and Environment</i> , <b>1992</b> , 14, 109-131  Alcohol and biogas production from biomass. <i>Critical Reviews in Plant Sciences</i> , <b>1990</b> , 9, 213-233  Relational analysis of the oil and gas sector of Mexico: Implications for Mexico's energy reform.	5.6 4 5.6	9 9
<ul><li>56</li><li>55</li><li>54</li><li>53</li></ul>	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 257-259  Limits to population size: Three scenarios of energy interaction between human society and ecosystem. <i>Population and Environment</i> , <b>1992</b> , 14, 109-131  Alcohol and biogas production from biomass. <i>Critical Reviews in Plant Sciences</i> , <b>1990</b> , 9, 213-233  Relational analysis of the oil and gas sector of Mexico: Implications for Mexico's energy reform. <i>Energy</i> , <b>2018</b> , 154, 403-414  The metabolism of oil extraction: A bottom-up approach applied to the case of Ecuador. <i>Energy</i>	5.6 4 5.6	9 9 9 8
<ul><li>56</li><li>55</li><li>54</li><li>53</li><li>52</li></ul>	System Thinking with Old Insights from Biophysical Analyses of the Economic Process. <i>Population and Environment</i> , <b>2000</b> , 22, 97-108  Studying Agricultural Intensification and Sustainability in PR China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 257-259  Limits to population size: Three scenarios of energy interaction between human society and ecosystem. <i>Population and Environment</i> , <b>1992</b> , 14, 109-131  Alcohol and biogas production from biomass. <i>Critical Reviews in Plant Sciences</i> , <b>1990</b> , 9, 213-233  Relational analysis of the oil and gas sector of Mexico: Implications for Mexico's energy reform. <i>Energy</i> , <b>2018</b> , 154, 403-414  The metabolism of oil extraction: A bottom-up approach applied to the case of Ecuador. <i>Energy Policy</i> , <b>2018</b> , 122, 63-74  Multi-scale integrated analysis of societal metabolism: learning from trajectories of development	5.6 4 5.6 7.9	9 9 9 8 8

48	Dimensions and logarithmic function in economics: A short critical analysis. <i>Ecological Economics</i> , <b>2010</b> , 69, 1604-1609	5.6	7
47	General Trends of Technological Changes in Agriculture		6
46	Multidimensional Reading of the Dynamics of Rural Intensification in China: The Amoeba Approach		6
45	Energy Analyses as a Tool for Sustainability: Lessons from Complex System Theory. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 879, 344-367	6.5	5
44	Environmental and Socioeconomic Constraints to the Development of Freshwater Fish Aquaculture in China. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 359-371	5.6	5
43	Global population, food and the environment. <i>Trends in Ecology and Evolution</i> , <b>1994</b> , 9, 239	10.9	5
42	Landfill reactions to society actions: The case of local and global air pollutants of Cerro Patacil in Panama. <i>Science of the Total Environment</i> , <b>2020</b> , 706, 135988	10.2	5
41	Residential energy metabolic patterns in China: A study of the urbanization process. <i>Energy</i> , <b>2021</b> , 215, 119021	7.9	5
40	Science for governance: The Implications of the Complexity Revolution82-99		4
39	Anticipation in Agriculture <b>2018</b> , 1-35		4
39	Anticipation in Agriculture <b>2018</b> , 1-35  Complex Systems and Energy <b>2004</b> , 617-631		4
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38	Complex Systems and Energy <b>2004</b> , 617-631  Robust information for effective municipal solid waste policies: Identifying behaviour of waste	8.6 9.8	4
38	Complex Systems and Energy <b>2004</b> , 617-631  Robust information for effective municipal solid waste policies: Identifying behaviour of waste generation across spatial levels of organization. <i>Waste Management</i> , <b>2020</b> , 103, 208-217  A becoming China and the assisted maturity of the EU: Assessing the factors determining their		4
38 37 36	Complex Systems and Energy 2004, 617-631  Robust information for effective municipal solid waste policies: Identifying behaviour of waste generation across spatial levels of organization. Waste Management, 2020, 103, 208-217  A becoming China and the assisted maturity of the EU: Assessing the factors determining their energy metabolic patterns. Energy Strategy Reviews, 2020, 32, 100562  Exploration of the environmental implications of ageing conventional oil reserves with relational	9.8	4 4
38 37 36 35	Complex Systems and Energy 2004, 617-631  Robust information for effective municipal solid waste policies: Identifying behaviour of waste generation across spatial levels of organization. Waste Management, 2020, 103, 208-217  A becoming China and the assisted maturity of the EU: Assessing the factors determining their energy metabolic patterns. Energy Strategy Reviews, 2020, 32, 100562  Exploration of the environmental implications of ageing conventional oil reserves with relational analysis. Science of the Total Environment, 2020, 749, 142371  Cutting through the biofuel confusion: A conceptual framework to check the feasibility, viability	9.8	4 4 4
38 37 36 35 34	Complex Systems and Energy 2004, 617-631  Robust information for effective municipal solid waste policies: Identifying behaviour of waste generation across spatial levels of organization. Waste Management, 2020, 103, 208-217  A becoming China and the assisted maturity of the EU: Assessing the factors determining their energy metabolic patterns. Energy Strategy Reviews, 2020, 32, 100562  Exploration of the environmental implications of ageing conventional oil reserves with relational analysis. Science of the Total Environment, 2020, 749, 142371  Cutting through the biofuel confusion: A conceptual framework to check the feasibility, viability and desirability of biofuels. Energy Strategy Reviews, 2021, 35, 100642  Understanding slums: analysis of the metabolic pattern of the Vidigal favela in Rio de Janeiro,	9.8 10.2 9.8	4 4 4

30	Isolated yet open: A metabolic analysis of Menorca. Science of the Total Environment, 2020, 738, 13922	1 10.2	3
29	Sustainability, the New Challenge of Governance, and Post-Normal Science. <i>Politics and the Life Sciences</i> , <b>1999</b> , 18, 218-221	0.7	3
28	Trends of Technical Changes in Rice-Based Farming Systems in Southern China: Case Study of Qianjiang Municipality. <i>Critical Reviews in Plant Sciences</i> , <b>1999</b> , 18, 283-297	5.6	3
27	Weed benefits and costs in rice and wheat production in India. <i>Agriculture, Ecosystems and Environment</i> , <b>1992</b> , 39, 235-244	5.7	3
26	Trends of Technical Changes in Rice-Based Farming Systems in Southern China: Case Study of Qianjiang Municipality		3
25	Environmental and Socioeconomic Constraints to the Development of Freshwater Fish Aquaculture in China		3
24	Deep Decarbonisation from a Biophysical Perspective: GHG Emissions of a Renewable Electricity Transformation in the EU. <i>Sustainability</i> , <b>2018</b> , 10, 3685	3.6	3
23	Assessing the circularity of nutrient flows related to the food system in the Okanagan bioregion, BC Canada <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 174, 105842	11.9	3
22	A waste lexicon to negotiate extended producer responsibility in free trade agreements. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 156, 104711	11.9	2
21	Biofuel in question. <i>New Scientist</i> , <b>2008</b> , 197, 18	0.6	2
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