Sergio Ulgiati

List of Publications by Year
in descending order

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225 papers	15,838 citations	30551 56 h-index	21843 118 g-index

237 all docs	237 docs citations	237 times ranked	12155 citing authors

#	Article	IF	Citations
1	Insights in Urban Resource Management: A Comprehensive Understanding of Unexplored Patterns. Frontiers in Sustainable Cities, 2022, 3, .	1.2	9
2	Sustainability assessment in the anthropocentric watershed based on emergy and decomposition methods: A case study of Erhai Lake Basin, southwest China. Ecological Indicators, 2022, 139, 108932.	2.6	3
3	Valuing regulating services of urban ecosystems towards more comprehensive house pricing. Journal of Cleaner Production, 2022, 357, 132030.	4.6	3
4	Empowering Communities, beyond Energy Scarcity. Energies, 2022, 15, 4106.	1.6	1
5	Circular bioeconomy potential and challenges within an African context: From theory to practice. Journal of Cleaner Production, 2022, 367, 133068.	4.6	18
6	Moving towards resource efficiency and circular economy in the brick manufacturing sector in Zimbabwe. Journal of Cleaner Production, 2021, 281, 125238.	4.6	22
7	Production of activated carbon from cocoa pods: Investigating benefits and environmental impacts through analytical chemistry techniques and life cycle assessment. Journal of Cleaner Production, 2021, 288, 125464.	4.6	33
8	Technologies, challenges and perspectives of biogas production within an agricultural context. The case of China and Africa. Environment, Development and Sustainability, 2021, 23, 14799-14826.	2.7	29
9	Circular Economy and the Transition to a Sustainable Society: Integrated Assessment Methods for a New Paradigm. Circular Economy and Sustainability, 2021, 1, 99-113.	3.3	42
10	Simulations of scenarios for urban household water and energy consumption. PLoS ONE, 2021, 16, e0249781.	1.1	6
11	Construction and demolition waste in the Metropolitan City of Naples, Italy: State of the art, circular design, and sustainable planning opportunities. Journal of Cleaner Production, 2021, 293, 125856.	4.6	33
12	Impact of fertilization schemes with different ratios of urea to controlled release nitrogen fertilizer on environmental sustainability, nitrogen use efficiency and economic benefit of rice production: A study case from Southwest China. Journal of Cleaner Production, 2021, 293, 126198.	4.6	47
13	Revisiting Keynes in the Light of the Transition to Circular Economy. Circular Economy and Sustainability, 2021, 1, 143-171.	3.3	22
14	Exploring Avoided Environmental Impacts as Well as Energy and Resource Recovery from Microbial Desalination Cell Treatment of Brine. Energies, 2021, 14, 4453.	1.6	8
15	Promoting circular economy transition: A study about perceptions and awareness by different stakeholders groups. Journal of Cleaner Production, 2021, 316, 128166.	4.6	58
16	Circular economy in the agro-industry: Integrated environmental assessment of dairy products. Renewable and Sustainable Energy Reviews, 2021, 148, 111314.	8.2	29
17	Energy constrains to increasing complexity in the biosphere. Innovation(China), 2021, 2, 100169.	5.2	5
18	Environmental and economic sustainability of key sectors in China's steel industry chain: An application of the Emergy Accounting approach. Ecological Indicators, 2021, 129, 108011.	2.6	13

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19	Environmental cost and impacts of chemicals used in agriculture: An integration of emergy and Life Cycle Assessment. Renewable and Sustainable Energy Reviews, 2021, 151, 111604.	8.2	20
20	Development of an urban household food-energy-water policy nexus dynamic simulator. Journal of Cleaner Production, 2021, 328, 129521.	4.6	4
21	A Review about Microalgae Wastewater Treatment for Bioremediation and Biomass Productionâ€"A New Challenge for Europe. Environments - MDPI, 2021, 8, 136.	1.5	15
22	Potential Energy Savings from Circular Economy Scenarios Based on Construction and Agri-Food Waste in Italy. Energies, 2021, 14, 8561.	1.6	13
23	Circular economy transition in Italy. Achievements, perspectives and constraints. Journal of Cleaner Production, 2020, 243, 118360.	4.6	205
24	Assessing the sustainability of urban eco-systems through Emergy-based circular economy indicators. Ecological Indicators, 2020, 109, 105859.	2.6	59
25	Optimal allocation of direct and embodied arable land associated to urban economy: Understanding the options deriving from economic globalization. Land Use Policy, 2020, 91, 104392.	2.5	29
26	Constraints, impacts and benefits of lignocellulose conversion pathways to liquid biofuels and biochemicals. , 2020, , 249-282.		3
27	Definition of LCA Guidelines in the Geothermal Sector to Enhance Result Comparability. Energies, 2020, 13, 3534.	1.6	25
28	Developing a procedure for the integration of Life Cycle Assessment and Emergy Accounting approaches. The Amalfi paper case study. Ecological Indicators, 2020, 117, 106676.	2.6	31
29	Mapping potentials and bridging regional gaps of renewable resources in China. Renewable and Sustainable Energy Reviews, 2020, 134, 110337.	8.2	30
30	Environmental and economic-related impact assessment of iron and steel production. A call for shared responsibility in global trade. Journal of Cleaner Production, 2020, 269, 122239.	4.6	38
31	Typhoon Disaster Risk Assessment Based on Emergy Theory: A Case Study of Zhuhai City, Guangdong Province, China. Sustainability, 2020, 12, 4212.	1.6	8
32	Economic assessment of circular patterns and business models for reuse and recycling of construction and demolition waste. , 2020, , 31-50.		5
33	Sustainability Evaluation of Sheep and Goat Rearing in Southern Italy. A Life Cycle Cost/Beneï¬t Assessment. Journal of Environmental Accounting and Management, 2020, 8, 229-242.	0.3	4
34	Cleaner production for human and environmental well-being. Journal of Cleaner Production, 2019, 237, 117779.	4.6	6
35	Product Service System-based Municipal Solid Waste circular management platform in Campania Region (Italy): a preliminary analysis. Procedia CIRP, 2019, 83, 224-229.	1.0	13
36	Editorial: Perspectives on energy futures, environment and wellbeing. Energy Policy, 2019, 133, 110890.	4.2	0

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37	Towards an energy efficient chemistry. Switching from fossil to bio-based products in a life cycle perspective. Energy, 2019, 170, 720-729.	4.5	33
38	Integrating Biophysical and Sociocultural Methods for Identifying the Relationships between Ecosystem Services and Land Use Change: Insights from an Oasis Area. Sustainability, 2019, 11, 2598.	1.6	5
39	Emergy analysis of urban domestic water metabolism: A case study in Beijing (China). Journal of Cleaner Production, 2019, 234, 714-724.	4.6	23
40	LCA of Hospital Solid Waste Treatment Alternatives in a Developing Country: The Case of District Swat, Pakistan. Sustainability, 2019, 11, 3501.	1.6	22
41	3D monitoring and modelling of air quality for sustainable urban port planning: Review and perspectives. Journal of Cleaner Production, 2019, 231, 1342-1352.	4.6	27
42	Challenges in Urban Metabolism: Sustainability and Well-Being in Cities. Frontiers in Sustainable Cities, 2019, 1, .	1.2	42
43	A Life Cycle Assessment of Biomethane Production from Waste Feedstock Through Different Upgrading Technologies. Energies, 2019, 12, 718.	1.6	59
44	Towards urban-rural sustainable cooperation: Models and policy implication. Journal of Cleaner Production, 2019, 213, 892-898.	4.6	30
45	Evaluation and simulation of the impact of land use change on ecosystem services based on a carbon flow model: A case study of the Manas River Basin of Xinjiang, China. Science of the Total Environment, 2019, 652, 117-133.	3.9	60
46	Barriers and Solutions to the Implementation of Energy Efi¬ciency. A Survey about Stakeholdersâ€™ Diversity, Motivations and Engagement in Naples (Italy). Journal of Environmental Accounting and Management, 2019, 7, 229-251.	0.3	4
47	Aerosol pollution, including eroded soils, intensifies cloud growth, precipitation, and soil erosion: A review. Journal of Cleaner Production, 2018, 189, 135-144.	4.6	17
48	Emergy-based sustainability evaluation of Erhai Lake Basin in China. Journal of Cleaner Production, 2018, 178, 142-153.	4.6	55
49	Efficiency and sustainability indicators for papermaking from virgin pulpâ€”An emergy-based case study. Resources, Conservation and Recycling, 2018, 131, 313-328.	5.3	38
50	Uncovering resource losses and gains in China's foreign trade. Journal of Cleaner Production, 2018, 191, 78-86.	4.6	13
51	Sustainable urban electricity supply chain â€“ Indicators of material recovery and energy savings from crystalline silicon photovoltaic panels end-of-life. Ecological Indicators, 2018, 94, 37-51.	2.6	80
52	Life cycle assessment indicators of urban wastewater and sewage sludge treatment. Ecological Indicators, 2018, 94, 13-23.	2.6	115
53	Indicators of environmental loading and sustainability of urban systems. An emergy-based environmental footprint. Ecological Indicators, 2018, 94, 82-99.	2.6	56
54	Venice artistic glass: Linking art, chemistry and environment â€“ A comprehensive emergy analysis. Journal of Cleaner Production, 2018, 171, 1638-1649.	4.6	14

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55	Environmentally sound resource valuation for a more sustainable international trade: Case of argentine maize. Resources, Conservation and Recycling, 2018, 131, 271-282.	5.3	8
56	Exploring environmental and economic costs and benefits of a circular economy approach to the construction and demolition sector. A literature review. Journal of Cleaner Production, 2018, 178, 618-643.	4.6	364
57	It is Worth Pondering Whether a Carbon Tax is Suitable for Chinaâ€™s Agricultural-Related Sectors. Energies, 2018, 11, 2296.	1.6	5
58	Editorial: Indicators of Energy Use in Urban Systems. Ecological Indicators, 2018, 94, 1-3.	2.6	3
59	Development of an urban FEW nexus online analyzer to support urban circular economy strategy planning. Energy, 2018, 164, 475-495.	4.5	42
60	Environmental Data Acquisition, Elaboration and Integration: Preliminary Application to a Vulnerable Mountain Landscape and Village (Novalesa, NW Italy). Engineering, 2018, 4, 635-642.	3.2	2
61	Multiple influences of land transfer in the integration of Beijing-Tianjin-Hebei region in China. Ecological Indicators, 2018, 90, 101-111.	2.6	31
62	Evaluating the transition towards cleaner production in the construction and demolition sector of China: A review. Journal of Cleaner Production, 2018, 195, 418-434.	4.6	148
63	Life cycle inventory data and metrics for high-temperature fuel cells: A streamlined decision-support tool and case study application. Energy, 2018, 159, 1195-1205.	4.5	20
64	Life Cycle Assessment and Water Footprint of Hydrogen Production Methods: From Conventional to Emerging Technologies. Environments - MDPI, 2018, 5, 24.	1.5	200
65	Energy efficiency and environmental assessment of papermaking from chemical pulp - A Finland case study. Journal of Cleaner Production, 2018, 198, 96-111.	4.6	53
66	Terrestrial transport modalities in China concerning monetary, energy and environmental costs. Energy Policy, 2018, 122, 129-141.	4.2	11
67	Energy efficiency of urban transportation system in Xiamen, China. An integrated approach. Applied Energy, 2017, 186, 234-248.	5.1	43
68	Refuse recovered biomass fuel from municipal solid waste. A life cycle assessment. Applied Energy, 2017, 186, 211-225.	5.1	47
69	A roadmap towards integrated assessment and participatory strategies in support of decision-making processes. The case of urban waste management. Journal of Cleaner Production, 2017, 142, 157-172.	4.6	42
70	Structural analysis of embodied greenhouse gas emissions from key urban materials: A case study of Xiamen City, China. Journal of Cleaner Production, 2017, 163, 212-223.	4.6	18
71	An emergy-LCA analysis of municipal solid waste management. Resources, Conservation and Recycling, 2017, 120, 131-143.	5.3	89
72	End-of-life treatment of crystalline silicon photovoltaic panels. An emergy-based case study. Journal of Cleaner Production, 2017, 161, 1129-1142.	4.6	70

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73	China-USA Trade: Indicators for Equitable and Environmentally Balanced Resource Exchange. Ecological Economics, 2017, 132, 245-254.	2.9	29
74	A Life Cycle Assessment of lithium battery and hydrogen-FC powered electric bicycles: Searching for cleaner solutions to urban mobility. International Journal of Hydrogen Energy, 2017, 42, 1830-1840.	3.8	43
75	Revisiting China-Africa trade from an environmental perspective. Journal of Cleaner Production, 2017, 167, 553-570.	4.6	14
76	Regional disparities in the Chinese economy. An emergy evaluation of provincial international trade. Resources, Conservation and Recycling, 2017, 126, 1-11.	5.3	26
77	Implementing and managing urban forests: A much needed conservation strategy to increase ecosystem services and urban wellbeing. Ecological Modelling, 2017, 360, 328-335.	1.2	116
78	In-situ study of the gas-phase composition and temperature of an intermediate-temperature solid oxide fuel cell anode surface fed by reformate natural gas. Journal of Power Sources, 2017, 370, 36-44.	4.0	12
79	The social metabolism of Scotland: An environmental perspective. Energy Policy, 2017, 100, 304-313.	4.2	5
80	Energy and eMergy assessment of the production and operation of a personal computer. Resources, Conservation and Recycling, 2017, 116, 124-136.	5.3	21
81	Chemicals from biomass: technological versus environmental feasibility. A review. Biofuels, Bioproducts and Biorefining, 2017, 11, 195-214.	1.9	126
82	Is urbanization eco-friendly? An energy and land use cross-country analysis. Energy Policy, 2017, 100, 387-396.	4.2	39
83	The relevance of site-specific data in Life Cycle Assessment (LCA). The case of the municipal solid waste management in the metropolitan city of Naples (Italy). Journal of Cleaner Production, 2017, 142, 445-460.	4.6	143
84	An emergy and decomposition assessment of China-Japan trade: Driving forces and environmental imbalance. Journal of Cleaner Production, 2017, 141, 359-369.	4.6	30
85	Spatial correlation model of economy-energy-pollution interactions: The role of river water as a link between production sites and urban areas. Renewable and Sustainable Energy Reviews, 2017, 69, 1018-1028.	8.2	12
86	Time and space model of urban pollution migration: Economy-energy-environment nexus network. Applied Energy, 2017, 186, 96-114.	5.1	37
87	An environmental assessment of electricity production from slaughterhouse residues. Linking urban, industrial and waste management systems. Applied Energy, 2017, 186, 175-188.	5.1	41
88	â€˜Hope for a Celestial City - A Triptychâ€™: A musical composition for sustainability and cleaner productions for the Jing-Jin-Ji region, China. Journal of Cleaner Production, 2017, 140, 1893-1902.	4.6	6
89	Ecosystem Services and Ecological Restoration in the Northern Shaanxi Loess Plateau, China, in Relation to Climate Fluctuation and Investments in Natural Capital. Sustainability, 2017, 9, 199.	1.6	41
90	River Water Quality and its Relation with Air Quality: A Long-Term Case Study in a Remote and Pristine NW Italian Headwater Catchment. Journal of Environmental Accounting and Management, 2017, 5, 35-47.	0.3	5

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91	Life Cycle Perspective for Urban Energy Use and Carbon Emissions: A Case Study of Xiamen, China. Journal of Environmental Accounting and Management, 2017, 5, 71-76.	0.3	4
92	Pb2+ Effects on Growth, Lipids, and Protein and DNA Profiles of the Thermophilic Bacterium Thermus Thermophilus. Microorganisms, 2016, 4, 45.	1.6	10
93	Co-benefits of CO2 and PM2.5 Emission Reduction. Energy Procedia, 2016, 104, 92-97.	1.8	16
94	Sustainability assessment of one industrial region: A combined method of emergy analysis and IPAT (Human Impact Population Affluence Technology). Energy, 2016, 107, 818-830.	4.5	22
95	Emergy assessment of global renewable sources. Ecological Modelling, 2016, 339, 148-156.	1.2	152
96	The geobiosphere emergy baseline: A synthesis. Ecological Modelling, 2016, 339, 92-95.	1.2	213
97	Assessing the global environmental sources driving the geobiosphere: A revised emergy baseline. Ecological Modelling, 2016, 339, 126-132.	1.2	152
98	The Evolution of Cities: â€œBrainsâ€•or â€œParasitesâ€•of Sustainable Production and Consumption Processes in China. Energy Procedia, 2016, 88, 218-223.	1.8	2
99	Assessment of Urban Transportation Metabolism from Life Cycle Perspective: A Multi-method Study. Energy Procedia, 2016, 88, 243-249.	1.8	3
100	Environmental sustainability of small hydropower schemes in Tibet: An emergy-based comparative analysis. Journal of Cleaner Production, 2016, 135, 97-104.	4.6	34
101	Energy and land use in worldwide agriculture: an application of life cycle energy and cluster analysis. Environment, Development and Sustainability, 2016, 18, 799-837.	2.7	25
102	Comparing national environmental and economic performances through emergy sustainability indicators: Moving environmental ethics beyond anthropocentrism toward ecocentrism. Renewable and Sustainable Energy Reviews, 2016, 58, 1532-1542.	8.2	45
103	A review on circular economy: the expected transition to a balanced interplay of environmental and economic systems. Journal of Cleaner Production, 2016, 114, 11-32.	4.6	3,298
104	Uncovering key factors influencing one industrial park's sustainability: a combined evaluation method of emergy analysis and index decomposition analysis. Journal of Cleaner Production, 2016, 114, 141-149.	4.6	46
105	Prevention and control policy analysis for energy-related regional pollution management in China. Applied Energy, 2016, 166, 292-300.	5.1	106
106	The Tenth Planetary Boundary: To What Extent Energy Constraints Matter. Journal of Environmental Accounting and Management, 2016, 4, 399-411.	0.3	5
107	Integrating life cycle assessment and emergy synthesis for the evaluation of a dry steam geothermal power plant in Italy. Energy, 2015, 86, 476-487.	4.5	91
108	Environmental assessment of maize production alternatives: Traditional, intensive and GMO-based cropping patterns. Ecological Indicators, 2015, 57, 48-60.	2.6	26

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109	How land allocation and technology innovation affect the sustainability of agriculture in Argentina Pampas: An expanded life cycle analysis. Agricultural Systems, 2015, 141, 79-93.	3.2	22
110	Life Cycle Assessment of Mixed Municipal Solid Waste: Multi-input versus multi-output perspective. Waste Management, 2015, 46, 599-611.	3.7	47
111	Energy Security and Development. , 2015, , .		2
112	Emergy-based indicators of regional environmental sustainability: A case study in Shanwei, Guangdong, China. Ecological Indicators, 2015, 57, 514-524.	2.6	43
113	Multicriteria costâ€“benefit assessment of tannery production: The need for breakthrough process alternatives beyond conventional technology optimization. Environmental Impact Assessment Review, 2015, 54, 22-38.	4.4	27
114	Multiscale Integrated Evaluation of Agricultural Systems. An Extended LCA Approach. World Sustainability Series, 2015, , 253-267.	0.3	0
115	Dealing with waste products and flows in life cycle assessment and emergy accounting: Methodological overview and synergies. Ecological Modelling, 2015, 315, 69-76.	1.2	29
116	Scenarios for sewage sludge reduction and reuse in clinker production towards regional eco-industrial development: a comparative emergy-based assessment. Journal of Cleaner Production, 2015, 103, 371-383.	4.6	51
117	Ecological impacts of small hydropower in China: Insights from an emergy analysis of a case plant. Energy Policy, 2015, 76, 112-122.	4.2	95
118	Mapping the evolution of impervious surfaces to investigate landscape metabolism: An Emergyâ€“GIS monitoring application. Ecological Informatics, 2015, 26, 50-59.	2.3	21
119	Time to re-think the GMO revolution in agriculture. Ecological Informatics, 2015, 26, 35-49.	2.3	19
120	The worth of land use: A GISâ€“emergy evaluation of natural and human-made capital. Science of the Total Environment, 2015, 506-507, 137-148.	3.9	57
121	Monitoring Regional Land Use and Land Cover Changes in Support of an Environmentally Sound Resource Management. World Sustainability Series, 2015, , 309-321.	0.3	5
122	Energy Sustainability Issues in Agriculture: Lessons from Developed and Developing Countries. , 2015, , 485-512.		1
123	On the Relationship between Economic Development, Environmental Integrity and Well-Being: The Point of View of Herdsmen in Northern China Grassland. PLoS ONE, 2015, 10, e0134786.	1.1	23
124	Alternative Options for Sewage Sludge Treatment and Process Improvement Through Circular Patterns: LCA-based Case Study and Scenarios. Journal of Environmental Accounting and Management, 2015, 3, 77-85.	0.3	7
125	Environmental Performance of Coal Power Generation in China. , 2015, , 307-319.		0
126	Exploring the Dependence of Urban Systems on the Environment. World Sustainability Series, 2015, , 179-197.	0.3	0

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127	Life cycle assessment of Brassica carinata biomass conversion toÂbioenergy and platform chemicals. Journal of Cleaner Production, 2014, 66, 174-187.	4.6	52
128	Environmental accounting: Emergy, systems ecology, and ecological modelling. Ecological Modelling, 2014, 271, 1-3.	1.2	30
129	Monitoring and evaluating the sustainability of Italian agricultural system. An emergy decomposition analysis. Ecological Modelling, 2014, 271, 132-148.	1.2	72
130	An emergyâ€“GIS approach to the evaluation of renewable resource flows: A case study of Campania Region, Italy. Ecological Modelling, 2014, 271, 103-112.	1.2	44
131	Emergy-based dynamic mechanisms of urban development, resource consumption and environmental impacts. Ecological Modelling, 2014, 271, 90-102.	1.2	72
132	Environmental and economic consequences of the overexploitation of natural capital and ecosystem services in Xilinguole League, China. Energy Policy, 2014, 67, 767-780.	4.2	37
133	The false promises of coal exploitation: How mining affects herdsmen well-being in the grassland ecosystems of Inner Mongolia. Energy Policy, 2014, 67, 146-153.	4.2	49
134	Urban resource use and environmental performance indicators. An application of decomposition analysis. Ecological Indicators, 2014, 47, 16-25.	2.6	45
135	Labor and Services as Information Carriers in Emergy-LCA Accounting. Journal of Environmental Accounting and Management, 2014, 2, 163-170.	0.3	30
136	Performance and Environmental Sustainability of Cash Crop Production in Pampas Region, Argentina. Journal of Environmental Accounting and Management, 2014, 2, 229-256.	0.3	3
137	Integrated Agricultural and Dairy Production within a Circular Economy Framework. A Comparison of Italian and Polish Farming Systems. Journal of Environmental Accounting and Management, 2014, 2, 367-384.	0.3	26
138	Emergy Accounting. , 2014, , 543-552.		0
139	Identifying the environmental support and constraints to the Chinese economic growthâ€”An application of the Emergy Accounting method. Energy Policy, 2013, 55, 217-233.	4.2	127
140	How can life cycle assessment foster environmentally sound fuel cell production and use?. International Journal of Hydrogen Energy, 2013, 38, 453-468.	3.8	24
141	Measuring China's Circular Economy. Science, 2013, 339, 1526-1527.	6.0	364
142	Analysis of the scientific collaboration patterns in the Emergy Accounting field: A review of the co-authorship network structure. Journal of Environmental Accounting and Management, 2013, 1, 1-13.	0.3	8
143	Wealth, trade and the environment: Carrying capacity, economic performance and wellbeing in Brazil and Italy. Journal of Environmental Accounting and Management, 2013, 1, 159-188.	0.3	13
144	Primary evidences on the robustness of environmental accounting from emergy. Journal of Environmental Accounting and Management, 2013, 1, 203-212.	0.3	15

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145	Spatial Accounting of Environmental Pressure and Resource Consumption Using Night-light Satellite Imagery. Journal of Environmental Accounting and Management, 2013, 1, 361-379.	0.3	1
146	Assessing the Environmental Performance and Sustainability of National Agricultural Systems. Journal of Environmental Accounting and Management, 2013, 1, 381-397.	0.3	3
147	On boundaries and â€¯investmentsâ€™ in Emergy Synthesis and LCA: A case study on thermal vs. photovoltaic electricity. Ecological Indicators, 2012, 15, 227-235.	2.6	146
148	Carbon modeling and emergy evaluation of grassland management schemes in Inner Mongolia. Agriculture, Ecosystems and Environment, 2012, 158, 49-57.	2.5	28
149	The impact of human activities on natural capital and ecosystem services of natural pastures in North Xinjiang, China. Ecological Modelling, 2012, 225, 28-39.	1.2	60
150	Resource quality, technological efficiency and factors of scale within the emergy framework. Ecological Modelling, 2012, 227, 109-111.	1.2	12
151	Assessing the environmental performance and sustainability of bioenergy production in Sweden: A life cycle assessment perspective. Energy, 2012, 37, 69-78.	4.5	71
152	Energy cropping in marginalÂland. Advances in Agroecology, 2012, , 51-96.	0.3	2
153	Integrated Urban Ecosystem Assessments. Applied Ecology and Environmental Management, 2012, , 15-104.	0.1	0
154	Emergy-based complexity measures in natural and social systems. Ecological Indicators, 2011, 11, 1185-1190.	2.6	44
155	Monitoring trends of urban development and environmental impact of Beijing, 1999â€“2006. Science of the Total Environment, 2011, 409, 3295-3308.	3.9	91
156	Shared wealth or nobody's land? The worth of natural capital and ecosystem services. Ecological Economics, 2011, 70, 778-787.	2.9	55
157	Material, energy and environmental performance of technological and social systems under a Life Cycle Assessment perspective. Ecological Modelling, 2011, 222, 176-189.	1.2	53
158	Assessing geobiosphere work of generating global reserves of coal, crude oil, and natural gas. Ecological Modelling, 2011, 222, 879-887.	1.2	138
159	Can emergy sustainability index be improved? A response to Harizaj. Ecological Modelling, 2011, 222, 2034-2035.	1.2	8
160	Understanding the global economic crisis: A biophysical perspective. Ecological Modelling, 2011, 223, 4-13.	1.2	87
161	Economic and environmental performance of electricity production in Finland: A multicriteria assessment framework. Ecological Modelling, 2011, 223, 81-90.	1.2	38
162	Using ecological criteria to develop CDM projects in Zhifanggou Valley, Loess Plateau, China. Agriculture, Ecosystems and Environment, 2011, 141, 410-416.	2.5	1

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163	Exploring an Urban Systemâ€™s Dependence on the Environment as a Source and a Sink: The City of Rome (Italy) Across Space and Time Scales. ChemSusChem, 2011, 4, 613-627.	3.6	13
164	Influence of allocation methods on the environmental performance of biorefinery productsâ€"A case study. Resources, Conservation and Recycling, 2011, 55, 1070-1077.	5.3	127
165	Emergy-Based Adjustment of the Agricultural Structure in a Low-Carbon Economy in Manas County of China. Energies, 2011, 4, 1428-1442.	1.6	14
166	Resource use and biophysical constraints of Scottish agriculture. Ecological Questions, 2011, 15, 57.	0.1	6
167	Rainfed Agroecosystems in South America. , 2011, , 561-601.		0
168	Resource use and biophysical constraints of Scottish agriculture. Ecological Questions, 2011, 15, .	0.1	0
169	Emergy analysis of an industrial park: The case of Dalian, China. Science of the Total Environment, 2010, 408, 5273-5283.	3.9	144
170	Updated evaluation of exergy and emergy driving the geobiosphere: A review and refinement of the emergy baseline. Ecological Modelling, 2010, 221, 2501-2508.	1.2	220
171	Crop residues as raw materials for biorefinery systems â€“ A LCA case study. Applied Energy, 2010, 87, 47-57.	5.1	459
172	Multi-method and Multi-scale Analysis of Energy and Resource Conversion and Use. NATO Science for Peace and Security Series C: Environmental Security, 2010, , 1-36.	0.1	13
173	Emergy Indices of Biodiversity and Ecosystem Dynamics. Applied Ecology and Environmental Management, 2010, , 89-112.	0.1	1
174	Emergy-based urban health evaluation and development pattern analysis. Ecological Modelling, 2009, 220, 2291-2301.	1.2	54
175	Urban ecosystem health assessment based on emergy and set pair analysisâ€"A comparative study of typical Chinese cities. Ecological Modelling, 2009, 220, 2341-2348.	1.2	109
176	Emergy and ecosystem complexity. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 310-321.	1.7	90
177	Life cycle assessment (LCA) of waste management strategies: Landfilling, sorting plant and incineration. Energy, 2009, 34, 2116-2123.	4.5	490
178	Air versus terrestrial transport modalities: An energy and environmental comparison. Energy, 2009, 34, 1493-1503.	4.5	27
179	Sustainable biomass production: A comparison between Gross Energy Requirement and Emergy Synthesis methods. Ecological Indicators, 2009, 9, 959-970.	2.6	102
180	A novel approach to the problem of geographic allocation of environmental impact in Life Cycle Assessment and Material Flow Analysis. Ecological Indicators, 2009, 9, 1257-1264.	2.6	21

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181	Environmental driving forces of urban growth and development. Landscape and Urban Planning, 2009, 93, 238-249.	3.4	99
182	A thermodynamic, environmental and material flow analysis of the Italian highway and railway transport systems. Energy, 2008, 33, 760-775.	4.5	46
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