

Paul C Sutton

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

29,790
citations

76326

40
h-index

49909

87
g-index

100
all docs

100
docs citations

100
times ranked

23900
citing authors

#	ARTICLE	IF	CITATIONS
1	The value of the world's ecosystem services and natural capital. <i>Nature</i> , 1997, 387, 253-260.	27.8	15,321
2	Changes in the global value of ecosystem services. <i>Global Environmental Change</i> , 2014, 26, 152-158.	7.8	4,101
3	Twenty years of ecosystem services: How far have we come and how far do we still need to go?. <i>Ecosystem Services</i> , 2017, 28, 1-16.	5.4	1,665
4	The value of the world's ecosystem services and natural capital. <i>Ecological Economics</i> , 1998, 25, 3-15.	5.7	860
5	The coasts of our world: Ecological, economic and social importance. <i>Ecological Economics</i> , 2007, 63, 254-272.	5.7	700
6	The Value of Coastal Wetlands for Hurricane Protection. <i>Ambio</i> , 2008, 37, 241-248.	5.5	528
7	Radiance Calibration of DMSP-OLS Low-Light Imaging Data of Human Settlements. <i>Remote Sensing of Environment</i> , 1999, 68, 77-88.	11.0	434
8	Census from Heaven: An estimate of the global human population using night-time satellite imagery. <i>International Journal of Remote Sensing</i> , 2001, 22, 3061-3076.	2.9	391
9	Global Distribution and Density of Constructed Impervious Surfaces. <i>Sensors</i> , 2007, 7, 1962-1979.	3.8	382
10	Global estimates of market and non-market values derived from nighttime satellite imagery, land cover, and ecosystem service valuation. <i>Ecological Economics</i> , 2002, 41, 509-527.	5.7	376
11	A global poverty map derived from satellite data. <i>Computers and Geosciences</i> , 2009, 35, 1652-1660.	4.2	350
12	Is Decoupling GDP Growth from Environmental Impact Possible?. <i>PLoS ONE</i> , 2016, 11, e0164733.	2.5	292
13	The Nightsat mission concept. <i>International Journal of Remote Sensing</i> , 2007, 28, 2645-2670.	2.9	248
14	A review of methods, data, and models to assess changes in the value of ecosystem services from land degradation and restoration. <i>Ecological Modelling</i> , 2016, 319, 190-207.	2.5	247
15	A scale-adjusted measure of "Urban sprawl" using nighttime satellite imagery. <i>Remote Sensing of Environment</i> , 2003, 86, 353-369.	11.0	245
16	The value of ecosystem services: putting the issues in perspective. <i>Ecological Economics</i> , 1998, 25, 67-72.	5.7	229
17	The ecological economics of land degradation: Impacts on ecosystem service values. <i>Ecological Economics</i> , 2016, 129, 182-192.	5.7	226
18	The future value of ecosystem services: Global scenarios and national implications. <i>Ecosystem Services</i> , 2017, 26, 289-301.	5.4	204

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19	Modeling population density with night-time satellite imagery and GIS. <i>Computers, Environment and Urban Systems</i> , 1997, 21, 227-244.	7.1	195
20	The Night Light Development Index (NLDI): a spatially explicit measure of human development from satellite data. <i>Social Geography</i> , 2012, 7, 23-35.	0.5	168
21	Using Nighttime Satellite Imagery as a Proxy Measure of Human Well-Being. <i>Sustainability</i> , 2013, 5, 4988-5019.	3.2	139
22	Creating a Global Grid of Distributed Fossil Fuel CO2 Emissions from Nighttime Satellite Imagery. <i>Energies</i> , 2010, 3, 1895-1913.	3.1	136
23	Ecosystem service value assessment of a natural reserve region for strengthening protection and conservation. <i>Journal of Environmental Management</i> , 2019, 244, 208-227.	7.8	134
24	Evaluating scale dependence of ecosystem service valuation: a comparison of NOAA-AVHRR and Landsat TM datasets. <i>Ecological Economics</i> , 2002, 41, 491-507.	5.7	114
25	Responses of ecosystem services to natural and anthropogenic forcings: A spatial regression based assessment in the world's largest mangrove ecosystem. <i>Science of the Total Environment</i> , 2020, 715, 137004.	8.0	109
26	Estimation of Mexico's Informal Economy and Remittances Using Nighttime Imagery. <i>Remote Sensing</i> , 2009, 1, 418-444.	4.0	106
27	Building and Evaluating Models to Estimate Ambient Population Density. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003, 69, 545-553.	0.6	99
28	Examining effects of climate change and land use dynamic on biophysical and economic values of ecosystem services of a natural reserve region. <i>Journal of Cleaner Production</i> , 2020, 257, 120424.	9.3	96
29	U.S. constructed area approaches the size of Ohio. <i>Eos</i> , 2004, 85, 233.	0.1	87
30	Going beyond Gross Domestic Product as an indicator to bring coherence to the Sustainable Development Goals. <i>Journal of Cleaner Production</i> , 2020, 248, 119232.	9.3	83
31	Mapping "Exurbia" in the Conterminous United States Using Nighttime Satellite Imagery. <i>Geocarto International</i> , 2006, 21, 39-45.	3.5	73
32	Potential for global mapping of development via a nightsat mission. <i>Geo Journal</i> , 2007, 69, 45-53.	3.1	72
33	Characterizing relationships between population density and nighttime imagery for Denver, Colorado: issues of scale and representation. <i>International Journal of Remote Sensing</i> , 2010, 31, 5733-5746.	2.9	62
34	Paving the planet: impervious surface as proxy measure of the human ecological footprint. <i>Progress in Physical Geography</i> , 2009, 33, 510-527.	3.2	61
35	Curriculum Development: Producing Geographers for the 21st Century. <i>Journal of Geography in Higher Education</i> , 2011, 35, 379-393.	2.6	51
36	The world economy in a cube: A more rational structural representation of sustainability. <i>Global Environmental Change</i> , 2015, 35, 41-51.	7.8	50

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37	Emergy and ecosystem services: A national biogeographical assessment. <i>Ecosystem Services</i> , 2014, 7, 152-159.	5.4	48
38	Holistic valuation of urban ecosystem services in New York City's Central Park. <i>Ecosystem Services</i> , 2016, 19, 87-91.	5.4	48
39	Darkness on the Edge of Town: Mapping Urban and Peri-Urban Australia Using Nighttime Satellite Imagery. <i>Professional Geographer</i> , 2010, 62, 119-133.	1.8	45
40	Comparing Three Approaches of Evapotranspiration Estimation in Mixed Urban Vegetation: Field-Based, Remote Sensing-Based and Observational-Based Methods. <i>Remote Sensing</i> , 2016, 8, 492.	4.0	44
41	Overcoming the Myths of Mainstream Economics to Enable a New Wellbeing Economy. <i>Sustainability</i> , 2019, 11, 4374.	3.2	42
42	Estimation and Mapping of Sub-National GDP in Uganda Using NPP-VIIRS Imagery. <i>Remote Sensing</i> , 2019, 11, 163.	4.0	40
43	The global value of coastal wetlands for storm protection. <i>Global Environmental Change</i> , 2021, 70, 102328.	7.8	40
44	A Thermodynamic Geography: Night-Time Satellite Imagery as a Proxy Measure of Emergy. <i>Ambio</i> , 2014, 43, 969-979.	5.5	36
45	Insights on the United Nations Sustainable Development Goals scope: Are they aligned with a "strong" sustainable development?. <i>Journal of Cleaner Production</i> , 2020, 252, 119574.	9.3	36
46	Exurban Change Detection in Fire-Prone Areas with Nighttime Satellite Imagery. <i>Photogrammetric Engineering and Remote Sensing</i> , 2004, 70, 1249-1257.	0.6	35
47	The real wealth of nations: Mapping and monetizing the human ecological footprint. <i>Ecological Indicators</i> , 2012, 16, 11-22.	6.3	35
48	Soil Salinity Mapping of Urban Greenery Using Remote Sensing and Proximal Sensing Techniques; The Case of Veale Gardens within the Adelaide Parklands. <i>Sustainability</i> , 2018, 10, 2826.	3.2	34
49	Accounting for "land-grabbing" from a biocapacity viewpoint. <i>Science of the Total Environment</i> , 2016, 539, 551-559.	8.0	33
50	NDVI, scale invariance and the modifiable areal unit problem: An assessment of vegetation in the Adelaide Parklands. <i>Science of the Total Environment</i> , 2017, 584-585, 11-18.	8.0	33
51	Ecosystem service valuations of South Africa using a variety of land cover data sources and resolutions. <i>Ecosystem Services</i> , 2017, 27, 173-178.	5.4	33
52	Title is missing!. <i>Population and Environment</i> , 2003, 24, 293-311.	3.0	32
53	Using LiDAR to quantify topographic and bathymetric details for sea turtle nesting beaches in Florida. <i>Remote Sensing of Environment</i> , 2012, 125, 125-133.	11.0	31
54	Overview of DMSP nighttime lights and future possibilities. , 2009, , .		29

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55	It Used To Be Dark Here. Photogrammetric Engineering and Remote Sensing, 2013, 79, 287-297.	0.6	29
56	Global Mapping of GDP at 1 km ² Using VIIRS Nighttime Satellite Imagery. ISPRS International Journal of Geo-Information, 2019, 8, 580.	2.9	26
57	Future scenarios for the value of ecosystem services in Latin America and the Caribbean to 2050. Current Research in Environmental Sustainability, 2020, 2, 100008.	3.5	25
58	Temperature and population density determine reservoir regions of seasonal persistence in highland malaria. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151383.	2.6	22
59	Dark Times: nighttime satellite imagery as a detector of regional disparity and the geography of conflict. GIScience and Remote Sensing, 2017, 54, 118-139.	5.9	22
60	Aladdin's Magic Lamp: Active Target Calibration of the DMSP OLS. Remote Sensing, 2014, 6, 12708-12722.	4.0	19
61	Revisiting Ecosystem Services: Assessment and Valuation as Starting Points for Environmental Politics. Sustainability, 2017, 9, 1755.	3.2	19
62	Scenario planning including ecosystem services for a coastal region in South Australia. Ecosystem Services, 2018, 31, 194-207.	5.4	19
63	Characteristics associated with high and low levels of ecological literacy in a western society. International Journal of Sustainable Development and World Ecology, 2018, 25, 227-237.	5.9	19
64	Designing and evaluating a groundwater quality Internet GIS. Applied Geography, 2014, 53, 55-65.	3.7	18
65	Examining the effects of green revolution led agricultural expansion on net ecosystem service values in India using multiple valuation approaches. Journal of Environmental Management, 2021, 277, 111381.	7.8	18
66	Ecological literacy and socio-demographics: who are the most eco-literate in our community, and why?. International Journal of Sustainable Development and World Ecology, 2018, 25, 9-22.	5.9	17
67	The Future of Ecosystem Services in Asia and the Pacific. Asia and the Pacific Policy Studies, 2016, 3, 389-404.	1.5	15
68	Using DMSP OLS Imagery to Characterize Urban Populations in Developed and Developing Countries. Remote Sensing and Digital Image Processing, 2010, , 329-348.	0.7	14
69	Planning green space in Adelaide city: enlightenment from green space system planning of Fuzhou city (2015-2020). Australian Planner, 2017, 54, 126-133.	1.1	12
70	Ecological literacy and psychographics: lifestyle contributors to ecological knowledge and understanding. International Journal of Sustainable Development and World Ecology, 2018, 25, 117-130.	5.9	12
71	Identification of Conservation Priority Zones Using Spatially Explicit Valued Ecosystem Services: A Case from the Indian Sundarbans. Integrated Environmental Assessment and Management, 2020, 16, 773-787.	2.9	11
72	The value of coastal wetlands for storm protection in Australia. Ecosystem Services, 2020, 46, 101205.	5.4	10

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73	Measuring the effects of morphological changes to sea turtle nesting beaches over time with LiDAR data. <i>Journal of Sea Research</i> , 2015, 104, 9-15.	1.6	9
74	Building Volume Per Capita (BVPC): A Spatially Explicit Measure of Inequality Relevant to the SDGs. <i>Frontiers in Sustainable Cities</i> , 2020, 2, .	2.4	9
75	The VIIRS Day/Night Band: A Flicker Meter in Space?. <i>Remote Sensing</i> , 2022, 14, 1316.	4.0	9
76	Estimation of Mexico's informal economy using DMSP nighttime lights data. , 2009, , .		8
77	Valuing Our National Parks: An Ecological Economics Perspective. <i>Land</i> , 2019, 8, 54.	2.9	8
78	Multimedia Guided Writing Modules for Introductory Human Geography. <i>Journal of Geography</i> , 1995, 94, 571-577.	1.5	6
79	Scampering in the city: Examining attitudes toward black-tailed prairie dogs in Denver, Colorado. <i>Applied Geography</i> , 2012, 35, 414-421.	3.7	6
80	Renewable Energy Equivalent Footprint (REEF): A Method for Envisioning a Sustainable Energy Future. <i>Energies</i> , 2020, 13, 6160.	3.1	6
81	Implications of Land-Grabbing on the Ecological Balance of Brazil. <i>Resources</i> , 2018, 7, 44.	3.5	5
82	Can Nighttime Satellite Imagery Inform Our Understanding of Education Inequality?. <i>Remote Sensing</i> , 2021, 13, 843.	4.0	5
83	<title>Temperature estimation and compositional mapping using spectral mixture analysis of thermal imaging spectrometry data</title>. , 1999, 3753, 286.		4
84	Change Detection in Satellite Observed Nighttime Lights: 1992-2003. , 2007, , .		3
85	Mapping the Constructed Surface Area Density for China. <i>Proceedings of the Asia-Pacific Advanced Network</i> , 2013, 31, 69.	0.3	3
86	Global Urban Mapping Based on Nighttime Lights. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2009, , .	0.0	3
87	Can Poverty Rates Be Estimated Using Satellite Data?. , 2007, , .		2
88	Alone in the Void: Getting Real about the Tenuous and Fragile Nature of Modern Civilization. <i>Humanities</i> , 2012, 1, 178-191.	0.2	2
89	Evaluating the Compliance of Sea Turtle Light Ordinances in Florida Using Remote Sensing. <i>Geography Compass</i> , 2013, 7, 867-878.	2.7	2
90	A 2010 Mapping of the Constructed Surface Area Density for S.E. Asia - Preliminary Results. <i>Proceedings of the Asia-Pacific Advanced Network</i> , 2013, 30, 181.	0.3	2

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91	Supporting the Sustainable Development Goals: A context sensitive indicator for sustainable use of water at the facility level. Sustainable Development, 0, , .	12.5	2
92	Sociodemographic Characterization of Urban Areas Using Nighttime Imagery, Google Earth, Landsat, and "Social" Ground Truthing. , 2006, , 291-310.		1
93	Overview of the Nightsat mission concept. , 2007, , .		1
94	Collaborative tool for collecting reference data on the density of constructed surfaces worldwide. Proceedings of SPIE, 2009, , .	0.8	1
95	The Natural Planetary Foundation of the Sustainable Development Goals. AIMS Environmental Science, 2020, 7, 320-323.	1.4	1
96	Apostasy of an "Anti-Assessment" Curmudgeon: Developing a Geographic Concept Inventory for Assessing Program-Level Learning Outcomes in a Department of Geography. Annals of the American Association of Geographers, 0, , 1-16.	2.2	0
97	Space matters: exploring problematic spatial issues in the valuation of ecosystem services. , 2014, , .		0