

Gregory Giuliani

List of Publications by Year in descending order

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91
papers

2,185
citations

249298

26
h-index

299063

42
g-index

94
all docs

94
docs citations

94
times ranked

3363
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond the SDG 15.3.1 Good Practice Guidance 1.0 using the Google Earth Engine platform: developing a self-adjusting algorithm to detect significant changes in water use efficiency and net primary production. <i>Big Earth Data</i> , 2023, 7, 59-80.	2.0	6
2	Evaluation of heavy metal content and potential ecological risks in soil samples from wild solid waste dumpsites in developing country under tropical conditions. <i>Environmental Challenges</i> , 2022, 7, 100461.	2.0	18
3	Knowledge formalization for Earth Science informed decision-making: The GEOEssential Knowledge Base. <i>Environmental Science and Policy</i> , 2022, 131, 93-104.	2.4	13
4	Essential earth observation variables for high-level multi-scale indicators and policies. <i>Environmental Science and Policy</i> , 2022, 131, 105-117.	2.4	16
5	One decade (2011–2020) of European agricultural water stress monitoring by MSG-SEVIRI: workflow implementation on the Virtual Earth Laboratory (VLab) platform. <i>International Journal of Digital Earth</i> , 2022, 15, 730-747.	1.6	3
6	Downscaling Switzerland Land Use/Land Cover Data Using Nearest Neighbors and an Expert System. <i>Land</i> , 2022, 11, 615.	1.2	14
7	Shoreline delineation service: using an earth observation data cube and sentinel 2 images for coastal monitoring. <i>Earth Science Informatics</i> , 2022, 15, 1587-1596.	1.6	4
8	Assessing the Applications of Earth Observation Data for Monitoring Artisanal and Small-Scale Gold Mining (ASGM) in Developing Countries. <i>Remote Sensing</i> , 2022, 14, 2971.	1.8	5
9	Modelling Accessibility to Urban Green Areas Using Open Earth Observations Data: A Novel Approach to Support the Urban SDG in Four European Cities. <i>Remote Sensing</i> , 2021, 13, 422.	1.8	33
10	Cloud and Cloud-Shadow Detection for Applications in Mapping Small-Scale Mining in Colombia Using Sentinel-2 Imagery. <i>Remote Sensing</i> , 2021, 13, 736.	1.8	8
11	Air temperature forecasting using artificial neural network for Ararat valley. <i>Earth Science Informatics</i> , 2021, 14, 711-722.	1.6	31
12	Geospatial User Feedback: How to Raise Users' Voices and Collectively Build Knowledge at the Same Time. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 141.	1.4	1
13	Toward a definition of Essential Mountain Climate Variables. <i>One Earth</i> , 2021, 4, 805-827.	3.6	26
14	A framework for ecosystem service assessment using GIS interoperability standards. <i>Computers and Geosciences</i> , 2021, 154, 104821.	2.0	8
15	Modelling Physical Accessibility to Public Green Spaces in Switzerland to Support the SDG11. <i>Geomatics</i> , 2021, 1, 383-398.	1.0	8
16	SwissEnvEO: A FAIR National Environmental Data Repository for Earth Observation Open Science. <i>Data Science Journal</i> , 2021, 20, .	0.6	8
17	The Swiss data cube, analysis ready data archive using earth observations of Switzerland. <i>Scientific Data</i> , 2021, 8, 295.	2.4	32
18	Reviewing the discoverability and accessibility to data and information products linked to Essential Climate Variables. <i>International Journal of Digital Earth</i> , 2020, 13, 236-252.	1.6	6

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19	GEOEssential "mainstreaming workflows from data sources to environment policy indicators with essential variables. International Journal of Digital Earth, 2020, 13, 322-338.	1.6	31
20	Towards a knowledge base to support global change policy goals. International Journal of Digital Earth, 2020, 13, 188-216.	1.6	41
21	Data Cube on Demand (DCoD): Generating an earth observation Data Cube anywhere in the world. International Journal of Applied Earth Observation and Geoinformation, 2020, 87, 102035.	1.4	27
22	Supporting SDG 15, Life on Land: Identifying the Main Drivers of Land Degradation in Honghe Prefecture, China, between 2005 and 2015. ISPRS International Journal of Geo-Information, 2020, 9, 710.	1.4	11
23	The Swiss Data Cube: Earth Observations for monitoring Switzerland's environment in space and time. IOP Conference Series: Earth and Environmental Science, 2020, 509, 012021.	0.2	0
24	From Data to Knowledge using the GEOSS platform to support Sustainable Development Goals. IOP Conference Series: Earth and Environmental Science, 2020, 509, 012020.	0.2	0
25	Essential Variables for Environmental Monitoring: What Are the Possible Contributions of Earth Observation Data Cubes?. Data, 2020, 5, 100.	1.2	22
26	Monitoring Vegetation Change in the Presence of High Cloud Cover with Sentinel-2 in a Lowland Tropical Forest Region in Brazil. Remote Sensing, 2020, 12, 1829.	1.8	16
27	Knowledge generation using satellite earth observations to support sustainable development goals (SDG): A use case on Land degradation. International Journal of Applied Earth Observation and Geoinformation, 2020, 88, 102068.	1.4	73
28	Towards integrated essential variables for sustainability. International Journal of Digital Earth, 2020, 13, 158-165.	1.6	26
29	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. Remote Sensing of Environment, 2020, 239, 111626.	4.6	142
30	Reconstituting past flood events: the contribution of citizen science. Hydrology and Earth System Sciences, 2020, 24, 61-74.	1.9	15
31	Monitoring land degradation at national level using satellite Earth Observation time-series data to support SDG15 "exploring the potential of data cube. Big Earth Data, 2020, 4, 3-22.	2.0	62
32	Paving the Way towards an Armenian Data Cube. Data, 2019, 4, 117.	1.2	26
33	Definition of candidate Essential Variables for the monitoring of mineral resource exploitation. Geo-Spatial Information Science, 2019, 22, 265-278.	2.4	5
34	Towards Sentinel-1 SAR Analysis-Ready Data: A Best Practices Assessment on Preparing Backscatter Data for the Cube. Data, 2019, 4, 93.	1.2	56
35	Using the Landsat-7 data to study the correlation between the surface temperature and phytoplankton turbidity Case study: Al Massira Lake (Settat - Morocco). Materials Today: Proceedings, 2019, 13, 496-504.	0.9	3
36	Paving the Way to Increased Interoperability of Earth Observations Data Cubes. Data, 2019, 4, 113.	1.2	31

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37	Modelling the nocturnal ecological continuum of the State of Geneva, Switzerland, based on high-resolution nighttime imagery. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 16, 100268.	0.8	1
38	Artisanal and Small-Scale Mining Sites in the Democratic Republic of the Congo Are Not Associated with Nighttime Light Emissions. <i>J</i> , 2019, 2, 152-161.	0.6	4
39	Automated Classification of Terrestrial Images: The Contribution to the Remote Sensing of Snow Cover. <i>Geosciences (Switzerland)</i> , 2019, 9, 97.	1.0	18
40	Snow Cover Evolution in the Gran Paradiso National Park, Italian Alps, Using the Earth Observation Data Cube. <i>Data</i> , 2019, 4, 138.	1.2	24
41	Earth Observation Open Science: Enhancing Reproducible Science Using Data Cubes. <i>Data</i> , 2019, 4, 147.	1.2	44
42	National Open Data Cubes and Their Contribution to Country-Level Development Policies and Practices. <i>Data</i> , 2019, 4, 144.	1.2	31
43	Flood hazard assessment and the role of citizen science. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	32
44	High contamination in the areas surrounding abandoned mines and mining activities: An impact assessment of the Dilala, Lulu and Mpingiri Rivers, Democratic Republic of the Congo. <i>Chemosphere</i> , 2018, 191, 1008-1020.	4.2	43
45	Explaining and Measuring Social-Ecological Pathways: The Case of Global Changes and Water Security. <i>Sustainability</i> , 2018, 10, 4378.	1.6	15
46	From a Vegetation Index to a Sustainable Development Goal Indicator: Forest Trend Monitoring Using Three Decades of Earth Observations across Switzerland. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 455.	1.4	26
47	Snow Observations from Space: An Approach to Map Snow Cover from Three Decades of Landsat Imagery Across Switzerland. , 2018, , .		1
48	Towards Sentinel-2 Analysis Ready Data: a Swiss Data Cube Perspective. , 2018, , .		7
49	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018, 5, 180226.	2.4	30
50	Bringing GEOSS Services into Practice: A Capacity Building Resource on Spatial Data Infrastructures (SDI). <i>Transactions in GIS</i> , 2017, 21, 811-824.	1.0	32
51	Breaking walls towards fully open source hydrological modeling. <i>Water Resources</i> , 2017, 44, 23-30.	0.3	8
52	Live Monitoring of Earth Surface (LiMES): A framework for monitoring environmental changes from Earth Observations. <i>Remote Sensing of Environment</i> , 2017, 202, 222-233.	4.6	35
53	Assessing the Dynamics of Organic Aerosols over the North Atlantic Ocean. <i>Scientific Reports</i> , 2017, 7, 45476.	1.6	11
54	Spatially enabling the Global Framework for Climate Services: Reviewing geospatial solutions to efficiently share and integrate climate data & information. <i>Climate Services</i> , 2017, 8, 44-58.	1.0	41

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55	A web platform for landuse, climate, demography, hydrology and beach erosion in the Black Sea catchment. <i>Scientific Data</i> , 2017, 4, 170087.	2.4	13
56	Building an Earth Observations Data Cube: lessons learned from the Swiss Data Cube (SDC) on generating Analysis Ready Data (ARD). <i>Big Earth Data</i> , 2017, 1, 100-117.	2.0	129
57	SCOPEDâ€™W: SCalable Online Platform for extracting Environmental Data and Waterâ€™related model outputs. <i>Transactions in GIS</i> , 2017, 21, 748-763.	1.0	3
58	GEOCAB Portal: A gateway for discovering and accessing capacity building resources in Earth Observation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 54, 95-104.	1.4	15
59	Lifting the Information Barriers to Address Sustainability Challenges with Data from Physical Geography and Earth Observation. <i>Sustainability</i> , 2017, 9, 858.	1.6	25
60	Hospital Effluents Are One of Several Sources of Metal, Antibiotic Resistance Genes, and Bacterial Markers Disseminated in Sub-Saharan Urban Rivers. <i>Frontiers in Microbiology</i> , 2016, 7, 1128.	1.5	99
61	Leachates draining from controlled municipal solid waste landfill: Detailed geochemical characterization and toxicity tests. <i>Waste Management</i> , 2016, 55, 238-248.	3.7	87
62	Assessment of trace metal and rare earth elements contamination in rivers around abandoned and active mine areas. The case of Lubumbashi River and Tshamilemba Canal, Katanga, Democratic Republic of the Congo. <i>Chemie Der Erde</i> , 2016, 76, 353-362.	0.8	58
63	Integration of data and computing infrastructures for earth science: an image mosaicking use-case. <i>Earth Science Informatics</i> , 2016, 9, 325-342.	1.6	7
64	Facilitating the production of ISO-compliant metadata of geospatial datasets. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 44, 239-243.	1.4	12
65	An interoperable cloud-based scientific GATEWAY for NDVI time series analysis. <i>Computer Standards and Interfaces</i> , 2015, 41, 79-84.	3.8	11
66	Environmental data gaps in Black Sea catchment countries: INSPIRE and GEOSS State of Play. <i>Environmental Science and Policy</i> , 2015, 46, 13-25.	2.4	15
67	Filling the gap between Earth observation and policy making in the Black Sea catchment with enviroGRIDS. <i>Environmental Science and Policy</i> , 2015, 46, 1-12.	2.4	20
68	Black Sea beaches vulnerability to sea level rise. <i>Environmental Science and Policy</i> , 2015, 46, 95-109.	2.4	42
69	An interoperable web portal for parallel geoprocessing of satellite image vegetation indices. <i>Earth Science Informatics</i> , 2015, 8, 453-460.	1.6	9
70	Reviewing innovative Earth observation solutions for filling science-policy gaps in hydrology. <i>Journal of Hydrology</i> , 2014, 518, 267-277.	2.3	32
71	Black Sea Catchment Observation System as a Portal for GEOSS Community. <i>International Journal of Advanced Computer Science and Applications</i> , 2013, 3, .	0.5	8
72	Building Regional Capacities for GEOSS and INSPIRE: a journey in the Black Sea Catchment. <i>International Journal of Advanced Computer Science and Applications</i> , 2013, 3, .	0.5	7

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73	Enabling Efficient Discovery of and Access to Spatial Data Services. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	2
74	OGC Compliant Services for Remote Sensing Processing over the Grid Infrastructure. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	3
75	Remotely Sensed Data Processing on Grids by Using GreenLand Web Based Platform. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	2
76	An Interoperable, GIS-oriented, Information and Support System for Water Resources Management. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	5
77	OWS4SWAT: Publishing and Sharing SWAT Outputs with OGC standards. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	7
78	Testing OGC Web Feature and Coverage Service performance: Towards efficient delivery of geospatial data. Journal of Spatial Information Science, 2013, , .	1.1	10
79	Sharing Environmental Data through GEOSS. , 2013, , 1260-1275.		0
80	Distributed Geocomputation for Modeling the Hydrology of the Black Sea Watershed. NATO Science for Peace and Security Series C: Environmental Security, 2012, , 141-157.	0.1	3
81	Challenges for drought mitigation in Africa: The potential use of geospatial data and drought information systems. Applied Geography, 2012, 34, 471-486.	1.7	127
82	WPS mediation: An approach to process geospatial data on different computing backends. Computers and Geosciences, 2012, 47, 20-33.	2.0	37
83	Software Platform Interoperability Throughout EnviroGRIDS Portal. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 1617-1627.	2.3	8
84	The PREVIEW Global Risk Data Platform: a geoportal to serve and share global data on risk to natural hazards. Natural Hazards and Earth System Sciences, 2011, 11, 53-66.	1.5	62
85	Grid-enabled Spatial Data Infrastructure for environmental sciences: Challenges and opportunities. Future Generation Computer Systems, 2011, 27, 292-303.	4.9	35
86	Grid based data processing tools and applications for black sea catchment basin. , 2011, , .		6
87	Sharing Environmental Data through GEOSS. International Journal of Applied Geospatial Research, 2011, 2, 1-17.	0.2	26
88	MetaLook: a 3D visualisation software for marine ecological genomics. BMC Bioinformatics, 2007, 8, 406.	1.2	7
89	Spatial Data Infrastructures in Africa: A Gap Analysis. Journal of Environmental Informatics, 0, , .	6.0	7
90	Sharing Environmental Data through GEOSS. , 0, , 266-281.		2

#	ARTICLE	IF	CITATIONS
91	Drying conditions in Switzerland â€” indication from a 35-year Landsat time-series analysis of vegetation water content estimates to support SDGs. Big Earth Data, 0, , 1-31.	2.0	13