

Demetrios Gatziolis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10661908/publications.pdf>

Version: 2024-02-01

25
papers

1,080
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	The Relationship Between Trees and Human Health. American Journal of Preventive Medicine, 2013, 44, 139-145.	3.0	325
2	Vegetation diversity protects against childhood asthma: results from a large New Zealand birth cohort. Nature Plants, 2018, 4, 358-364.	9.3	89
3	Is tree loss associated with cardiovascular-disease risk in the Women's Health Initiative? A natural experiment. Health and Place, 2015, 36, 1-7.	3.3	72
4	3D Tree Dimensionality Assessment Using Photogrammetry and Small Unmanned Aerial Vehicles. PLoS ONE, 2015, 10, e0137765.	2.5	70
5	Modeling Forest Aboveground Biomass and Volume Using Airborne LiDAR Metrics and Forest Inventory and Analysis Data in the Pacific Northwest. Remote Sensing, 2015, 7, 229-255.	4.0	65
6	Association between exposure to the natural environment, rurality, and attention-deficit hyperactivity disorder in children in New Zealand: a linkage study. Lancet Planetary Health, The, 2019, 3, e226-e234.	11.4	60
7	Use of Remote Sensing Data to Improve the Efficiency of National Forest Inventories: A Case Study from the United States National Forest Inventory. Forests, 2020, 11, 1364.	2.1	47
8	Using high-resolution residential greenspace measures in an urban environment to assess risks of allergy outcomes in children. Science of the Total Environment, 2019, 668, 760-767.	8.0	44
9	Dynamic Range-based Intensity Normalization for Airborne, Discrete Return Lidar Data of Forest Canopies. Photogrammetric Engineering and Remote Sensing, 2011, 77, 251-259.	0.6	43
10	Using an epiphytic moss to identify previously unknown sources of atmospheric cadmium pollution. Science of the Total Environment, 2016, 559, 84-93.	8.0	43
11	Augmentation of Traditional Forest Inventory and Airborne Laser Scanning with Unmanned Aerial Systems and Photogrammetry for Forest Monitoring. Remote Sensing, 2018, 10, 1562.	4.0	39
12	Embedded, real-time UAV control for improved, image-based 3D scene reconstruction. Measurement: Journal of the International Measurement Confederation, 2016, 81, 264-269.	5.0	34
13	Efficient three-dimensional reconstruction of aquatic vegetation geometry: Estimating morphological parameters influencing hydrodynamic drag. Estuarine, Coastal and Shelf Science, 2016, 178, 77-85.	2.1	19
14	The natural environment and birth outcomes: Comparing 3D exposure metrics derived from LiDAR to 2D metrics based on the normalized difference vegetation index. Health and Place, 2019, 57, 305-312.	3.3	19
15	Shortcomings of the normalized difference vegetation index as an exposure metric. Nature Plants, 2022, 8, 617-622.	9.3	17
16	Large Area Forest Yield Estimation with Pushbroom Digital Aerial Photogrammetry. Forests, 2019, 10, 397.	2.1	16
17	Intercomparison of photogrammetry software for three-dimensional vegetation modelling. Royal Society Open Science, 2018, 5, 172192.	2.4	13
18	Relationship between exposure to the natural environment and recovery from hip or knee arthroplasty: a New Zealand retrospective cohort study. BMJ Open, 2019, 9, e029522.	1.9	13

#	ARTICLE	IF	CITATIONS
19	An empirical test of the biodiversity hypothesis: Exposure to plant diversity is associated with a reduced risk of childhood acute lymphoblastic leukemia. <i>Science of the Total Environment</i> , 2021, 768, 144627.	8.0	11
20	Evaluation of pushbroom DAP relative to frame camera DAP and lidar for forest modeling. <i>Remote Sensing of Environment</i> , 2020, 237, 111535.	11.0	10
21	Exposure to atmospheric metals using moss bioindicators and neonatal health outcomes in Portland, Oregon. <i>Environmental Pollution</i> , 2021, 284, 117343.	7.5	9
22	Lidar and Multispectral Imagery Classifications of Balsam Fir Tree Status for Accurate Predictions of Merchantable Volume. <i>Forests</i> , 2017, 8, 253.	2.1	8
23	The natural environment, plant diversity, and adult asthma: A retrospective observational study using the CDC's 500 Cities Project Data. <i>Health and Place</i> , 2021, 67, 102494.	3.3	7
24	Small-scale distributions of polycyclic aromatic hydrocarbons in urban areas using geospatial modeling: A case study using the moss <i>Orthotrichum lyellii</i> in Portland, Oregon, U.S.A.. <i>Atmospheric Environment</i> , 2021, 256, 118433.	4.1	7
25	Reconstructing Aircraft Trajectories from Multi-Return Airborne Laser-Scanning Data. <i>Remote Sensing</i> , 2019, 11, 2258.	4.0	0