

Colin J Gleason

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,905
citations

361413

20
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2324
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The politics of pixels: A review and agenda for critical remote sensing. <i>Progress in Human Geography</i> , 2022, 46, 729-752. | 5.6 | 22 |
| 2 | Combining Optical Remote Sensing, McFLI Discharge Estimation, Global Hydrologic Modeling, and Data Assimilation to Improve Daily Discharge Estimates Across an Entire Large Watershed. <i>Water Resources Research</i> , 2021, 57, e2020WR027794. | 4.2 | 16 |
| 3 | Hourly surface meltwater routing for a Greenlandic supraglacial catchment across hillslopes and through a dense topological channel network. <i>Cryosphere</i> , 2021, 15, 2315-2331. | 3.9 | 7 |
| 4 | Recent changes to Arctic river discharge. <i>Nature Communications</i> , 2021, 12, 6917. | 12.8 | 62 |
| 5 | Remote Sensing of River Discharge: A Review and a Framing for the Discipline. <i>Remote Sensing</i> , 2020, 12, 1107. | 4.0 | 79 |
| 6 | Antarctic Supraglacial Lake Identification Using Landsat-8 Image Classification. <i>Remote Sensing</i> , 2020, 12, 1327. | 4.0 | 11 |
| 7 | Small Arctic rivers mapped from Sentinel-2 satellite imagery and ArcticDEM. <i>Journal of Hydrology</i> , 2020, 584, 124689. | 5.4 | 16 |
| 8 | Direct Observation of Winter Meltwater Drainage From the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086521. | 4.0 | 15 |
| 9 | Global Reconstruction of Naturalized River Flows at 2.94 Million Reaches. <i>Water Resources Research</i> , 2019, 55, 6499-6516. | 4.2 | 175 |
| 10 | Surface meltwater runoff on the Greenland ice sheet estimated from remotely sensed supraglacial lake infilling rate. <i>Remote Sensing of Environment</i> , 2019, 234, 111459. | 11.0 | 19 |
| 11 | Comparing Discharge Estimates Made via the BAM Algorithm in High-Order Arctic Rivers Derived Solely From Optical CubeSat, Landsat, and Sentinel-2 Data. <i>Water Resources Research</i> , 2019, 55, 7753-7771. | 4.2 | 47 |
| 12 | Similarity of stream width distributions across headwater systems. <i>Nature Communications</i> , 2018, 9, 610. | 12.8 | 64 |
| 13 | Verifying the prevalence, properties, and congruent hydraulics of at-many-stations hydraulic geometry (AMHG) for rivers in the continental United States. <i>Journal of Hydrology</i> , 2018, 556, 625-633. | 5.4 | 16 |
| 14 | A Hybrid of Optical Remote Sensing and Hydrological Modeling Improves Water Balance Estimation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2-17. | 3.8 | 31 |
| 15 | Crossing the (watershed) divide: satellite data and the changing politics of international river basins. <i>Geographical Journal</i> , 2017, 183, 2-15. | 3.1 | 43 |
| 16 | Production, Property, and the Construction of Remotely Sensed Data. <i>Annals of the American Association of Geographers</i> , 2017, 107, 1075-1089. | 2.2 | 10 |
| 17 | Direct measurements of meltwater runoff on the Greenland ice sheet surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10622-E10631. | 7.1 | 66 |
| 18 | Characterizing supraglacial meltwater channel hydraulics on the Greenland Ice Sheet from <i>in situ</i> observations. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 2111-2122. | 2.5 | 24 |

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|----|---|------|-----------|
| 19 | Benchmarking wide swath altimetry-based river discharge estimation algorithms for the Ganges river system. <i>Water Resources Research</i> , 2016, 52, 2439-2461. | 4.2 | 46 |
| 20 | CryoSheds: a GIS modeling framework for delineating land-ice watersheds for the Greenland Ice Sheet. <i>GIScience and Remote Sensing</i> , 2016, 53, 707-722. | 5.9 | 13 |
| 21 | Fluvial morphometry of supraglacial river networks on the southwest Greenland Ice Sheet. <i>GIScience and Remote Sensing</i> , 2016, 53, 459-482. | 5.9 | 29 |
| 22 | Theoretical basis for at-many-stations hydraulic geometry. <i>Geophysical Research Letters</i> , 2015, 42, 7107-7114. | 4.0 | 76 |
| 23 | A Caution on the Use of Surface Digital Elevation Models to Simulate Supraglacial Hydrology of the Greenland Ice Sheet. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5212-5224. | 4.9 | 35 |
| 24 | Efficient meltwater drainage through supraglacial streams and rivers on the southwest Greenland ice sheet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1001-1006. | 7.1 | 163 |
| 25 | Toward global mapping of river discharge using satellite images and at-many-stations hydraulic geometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4788-4791. | 7.1 | 262 |
| 26 | Retrieval of river discharge solely from satellite imagery and at-many-stations hydraulic geometry: Sensitivity to river form and optimization parameters. <i>Water Resources Research</i> , 2014, 50, 9604-9619. | 4.2 | 119 |
| 27 | Forest biomass estimation from airborne LiDAR data using machine learning approaches. <i>Remote Sensing of Environment</i> , 2012, 125, 80-91. | 11.0 | 244 |
| 28 | A Fusion Approach for Tree Crown Delineation from Lidar Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2012, 78, 679-692. | 0.6 | 24 |
| 29 | A Review of Remote Sensing of Forest Biomass and Biofuel: Options for Small-Area Applications. <i>GIScience and Remote Sensing</i> , 2011, 48, 141-170. | 5.9 | 88 |