

# Joel McCorkel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8547276/publications.pdf>

Version: 2024-02-01

76  
papers

3,243  
citations

623734

14  
h-index

276875

41  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Landsat 9 Thermal Infrared Sensor 2 (TIRS-2) Stray Light Mitigation and Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-8.	6.3	9
2	The First Atmospheric Radio Occultation Profiles From a GPS Receiver in Geostationary Orbit. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
3	Landsat 9 Thermal Infrared Sensor 2 On-Orbit Calibration and Initial Performance. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-8.	6.3	9
4	Prelaunch Radiometric Calibration and Uncertainty Analysis of Landsat Thermal Infrared Sensor 2. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2715-2726.	6.3	8
5	Reviews and syntheses: Ongoing and emerging opportunities to improve environmental science using observations from the Advanced Baseline Imager on the Geostationary Operational Environmental Satellites. Biogeosciences, 2021, 18, 4117-4141.	3.3	16
6	GOES-16 ABI solar reflective channel validation for earth science application. Remote Sensing of Environment, 2020, 237, 111438.	11.0	18
7	High productivity in hybrid-poplar plantations without isoprene emission to the atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1596-1605.	7.1	31
8	Landsat 9: Empowering open science and applications through continuity. Remote Sensing of Environment, 2020, 248, 111968.	11.0	174
9	Characterization of FIREFLY, an Imaging Spectrometer Designed for Remote Sensing of Solar Induced Fluorescence. Sensors, 2020, 20, 4682.	3.8	5
10	Reflective solar band striping mitigation method for the GOES-R series advanced baseline imager using special scans. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	2
11	Landsat 9 Mission update and status. , 2020, , .		5
12	Mitigating the GOES-17 ABI thermal anomaly using predictive calibration. , 2020, , .		1
13	Validation of GOES-17 ABI reflective channels performance: Salar de Uyuni 2018 field campaign results. , 2020, , .		1
14	An inter-comparison exercise of Sentinel-2 radiometric validations assessed by independent expert groups. Remote Sensing of Environment, 2019, 233, 111369.	11.0	25
15	Current status of Landsat program, science, and applications. Remote Sensing of Environment, 2019, 225, 127-147.	11.0	586
16	The terrestrial organism and biogeochemistry spatial sampling design for the National Ecological Observatory Network. Ecosphere, 2019, 10, e02540.	2.2	20
17	Landsat 9 Thermal Infrared Sensor 2 Spectral Response Test: Updates And Perspective. , 2019, , .		2
18	First Results from Laser-Based Spectral Characterization of Landsat 9 Operational Land Imager-2. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Goes-17 advanced baseline imager performance recovery summary. , 2019, , .		10
20	Landsat 9: Mission Status and Prelaunch Instrument Performance Characterization and Calibration. , 2019, , .		6
21	The Operational Land Imager-2: prelaunch spectral characterization. , 2019, , .		5
22	The JPSS-2 VIIRS version 2 (at-launch) relative spectral response characterization. , 2019, , .		6
23	Time resolved irradiance of an integrating sphere illuminated by a mode-locked optical parametric oscillator. , 2019, , .		1
24	Ultra-portable field transfer radiometer for vicarious calibration of earth imaging sensors. Metrologia, 2018, 55, S104-S117.	1.2	10
25	Landsat 9 Thermal Infrared Sensor 2 Architecture and Design. , 2018, , .		12
26	Landsat 9 Thermal Infrared Sensor 2 Preliminary Stray Light Assessment. , 2018, , .		6
27	Landsat 9 Thermal Infrared Sensor 2 Subsystem-Level Spectral Test Results. , 2018, , .		5
28	Landsat 9 Thermal Infrared Sensor 2 Characterization Plan Overview. , 2018, , .		17
29	Characterization of Firefly, an Imaging Spectrometer Designed for Airborne Measurements of Solar-Induced Fluorescence. , 2018, , .		0
30	Goddard Laser for Absolute Measurement of Radiance for Instrument Calibration in the Ultraviolet to Short Wave Infrared. , 2018, , .		12
31	Spectral testing of the Landsat-9 OLI-2 instrument using the Goddard Laser Absolute Measurement of Radiance (GLAMR). , 2018, , .		1
32	Landsat 9 Thermal Infrared Sensor 2 pre-launch characterization: initial imaging and spectral performance results. , 2018, , .		0
33	Landsat-8 on-orbit and Landsat-9 pre-launch sensor radiometric characterization. , 2018, , .		4
34	Overview of the 2015 Algodones Sand Dunes field campaign to support sensor intercalibration. Journal of Applied Remote Sensing, 2017, 12, 1.	1.3	9
35	Earth-observing satellite intercomparison using the Radiometric Calibration Test Site at Railroad Valley. Journal of Applied Remote Sensing, 2017, 12, 1.	1.3	15
36	Development of a simulation environment to support intercalibration studies over the Algodones Dunes system. Journal of Applied Remote Sensing, 2017, 12, 1.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Imager-to-radiometer in-flight cross calibration: RSP radiometric comparison with airborne and satellite sensors. Atmospheric Measurement Techniques, 2016, 9, 955-962.	3.1	5
38	The characterization of a DIRSIG simulation environment to support the inter-calibration of spaceborne sensors. Proceedings of SPIE, 2016, , .	0.8	2
39	Interactions between temperature and intercellular CO <sub>2</sub> concentration in controlling leaf isoprene emission rates. Plant, Cell and Environment, 2016, 39, 2404-2413.	5.7	18
40	Monitoring Orbital Precession of EO-1 Hyperion With Three Atmospheric Correction Models in the Libya-4 PICS. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1797-1801.	3.1	2
41	Evaluation of GLAMR-based calibration for SI-traceable field reflectance retrievals. , 2016, , .		2
42	Validation of EO-1 Hyperion and Advanced Land Imager Using the Radiometric Calibration Test Site at Railroad Valley, Nevada. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 816-826.	4.9	22
43	Results from source-based and detector-based calibrations of a CLARREO calibration demonstration system. , 2016, , .		1
44	The Ground-Based Absolute Radiometric Calibration of Landsat 8 OLI. Remote Sensing, 2015, 7, 600-626.	4.0	135
45	VIIRS/J1 polarization narrative. , 2015, , .		8
46	Radiometric cross-calibration of Terra ASTER and MODIS. Proceedings of SPIE, 2015, , .	0.8	0
47	Online resource for Earth-observing satellite sensor calibration. , 2015, , .		0
48	Radiometric calibration of G-LiHT's imaging spectrometer using GLAMR for satellite sensor intercalibration. Proceedings of SPIE, 2015, , .	0.8	1
49	Demonstrating the error budget for the Climate Absolute Radiance and Refractivity Observatory through solar irradiance measurements. Proceedings of SPIE, 2015, , .	0.8	5
50	The development of a DIRSIG simulation environment to support instrument trade studies for the SOLARIS sensor. Proceedings of SPIE, 2015, , .	0.8	4
51	Data products of NASA Goddard's LiDAR, hyperspectral, and thermal airborne imager (G-LiHT). Proceedings of SPIE, 2015, , .	0.8	3
52	Quantifying Libya-4 Surface Reflectance Heterogeneity With WorldView-1, 2 and EO-1 Hyperion. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2277-2281.	3.1	10
53	Cross-calibration of Earth Observing System Terra satellite sensors MODIS and ASTER. Proceedings of SPIE, 2014, , .	0.8	2
54	Landsat-8: Science and product vision for terrestrial global change research. Remote Sensing of Environment, 2014, 145, 154-172.	11.0	1,599

#	ARTICLE	IF	CITATIONS
55	In-Situ Transfer Standard and Coincident-View Intercomparisons for Sensor Cross-Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1088-1097.	6.3	7
56	Absolute Radiometric Calibration of Narrow-Swath Imaging Sensors With Reference to Non-Coincident Wide-Swath Sensors. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1309-1318.	6.3	15
57	Vicarious Calibration of EO-1 Hyperion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 400-407.	4.9	29
58	Error budget for a calibration demonstration system for the reflected solar instrument for the climate absolute radiance and refractivity observatory. , 2013, , .		3
59	Laser-based spectral and radiometric calibration of the clarreo imaging spectrometer. , 2013, , .		0
60	NASA Goddardâ€™s LiDAR, Hyperspectral and Thermal (G-LiHT) Airborne Imager. Remote Sensing, 2013, 5, 4045-4066.	4.0	278
61	Test plan for a calibration demonstration system for the reflected solar instrument for the climate absolute radiance and refractivity observatory. , 2012, , .		7
62	Instrumentation and first results of the reflected solar demonstration system for the Climate Absolute Radiance and Refractivity Observatory. Proceedings of SPIE, 2012, , .	0.8	5
63	Cross-calibration of imaging sensors using model-based, SI-traceable predictions of AT-sensor radiance. Proceedings of SPIE, 2012, , .	0.8	0
64	Airborne remote sensing instrumentation for NEON: Status and development. , 2011, , .		3
65	NEON ground validation capabilities for airborne and space-based imagers. Proceedings of SPIE, 2011, , .	0.8	3
66	Early algorithm development efforts for the National Ecological Observatory Network Airborne Observation Platform imaging spectrometer and waveform lidar instruments. Proceedings of SPIE, 2011, , .	0.8	4
67	Progress in the development of airborne remote sensing instrumentation for the National Ecological Observatory Network. Proceedings of SPIE, 2011, , .	0.8	3
68	Calibration system stability plans for a long-term Ecological Airborne remote sensing project. , 2010, , .		0
69	Radiometric characterization of hyperspectral imagers using multispectral sensors. Proceedings of SPIE, 2009, , .	0.8	2
70	Transmittance measurement of a heliostat facility used in the preflight radiometric calibration of Earth-observing sensors. Proceedings of SPIE, 2009, , .	0.8	1
71	Temporal, spectral, and spatial study of the automated vicarious calibration test site at Railroad Valley, Nevada. Proceedings of SPIE, 2008, , .	0.8	13
72	Intercomparison of Imaging Sensors using Automated Ground Measurements. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
73	A Prototype Airborne Visible Imaging Spectrometer (PAVIS). , 2007, , .		0
74	Retrieval of surface BRDF for reflectance-based calibration. Proceedings of SPIE, 2007, , .	0.8	1
75	Radiometric calibration of Advanced Land Imager using reflectance-based results between 2001 and 2005. , 2006, , .		4
76	Vicarious calibration of the ASTER SWIR sensor including crosstalk correction. , 2005, , .		5