

Simon Hook

List of Publications by Year in descending order

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170
papers

12,693
citations

26630

56
h-index

24982

109
g-index

171
all docs

171
docs citations

171
times ranked

11674
citing authors

#	ARTICLE	IF	CITATIONS
1	The ASTER spectral library version 2.0. Remote Sensing of Environment, 2009, 113, 711-715.	11.0	1,258
2	A temperature and emissivity separation algorithm for Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1113-1126.	6.3	1,145
3	Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773.	4.0	767
4	The future of evapotranspiration: Global requirements for ecosystem functioning, carbon and climate feedbacks, agricultural management, and water resources. Water Resources Research, 2017, 53, 2618-2626.	4.2	552
5	Space observations of inland water bodies show rapid surface warming since 1985. Geophysical Research Letters, 2010, 37, .	4.0	330
6	Landsat-8 Thermal Infrared Sensor (TIRS) Vicarious Radiometric Calibration. Remote Sensing, 2014, 6, 11607-11626.	4.0	293
7	An introduction to the NASA Hyperspectral InfraRed Imager (HyspIRI) mission and preparatory activities. Remote Sensing of Environment, 2015, 167, 6-19.	11.0	278
8	Constraints on the origin and evolution of the layered mound in Gale Crater, Mars using Mars Reconnaissance Orbiter data. Icarus, 2011, 214, 413-432.	2.5	258
9	Separating temperature and emissivity in thermal infrared multispectral scanner data: implications for recovering land surface temperatures. IEEE Transactions on Geoscience and Remote Sensing, 1993, 31, 1155-1164.	6.3	221
10	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. Water Resources Research, 2020, 56, e2019WR026058.	4.2	220
11	A comparison of techniques for extracting emissivity information from thermal infrared data for geologic studies. Remote Sensing of Environment, 1992, 42, 123-135.	11.0	218
12	The MODIS/ASTER airborne simulator (MASTER) â€” a new instrument for earth science studies. Remote Sensing of Environment, 2001, 76, 93-102.	11.0	211
13	Mapping Hydrothermally Altered Rocks at Cuprite, Nevada, Using the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), a New Satellite-Imaging System. Economic Geology, 2003, 98, 1019-1027.	3.8	199
14	The ECOSTRESS spectral library version 1.0. Remote Sensing of Environment, 2019, 230, 111196.	11.0	193
15	Synergies between VSWIR and TIR data for the urban environment: An evaluation of the potential for the Hyperspectral Infrared Imager (HyspIRI) Decadal Survey mission. Remote Sensing of Environment, 2012, 117, 83-101.	11.0	180
16	Airborne methane remote measurements reveal heavy-tail flux distribution in Four Corners region. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9734-9739.	7.1	174
17	Hydrothermal formation of Clay-Carbonate alteration assemblages in the Nili Fossae region of Mars. Earth and Planetary Science Letters, 2010, 297, 174-182.	4.4	169
18	The <sc>ASTER</sc> Global Emissivity Dataset (<sc>ASTER GED</sc>): Mapping Earth's emissivity at 100 meter spatial scale. Geophysical Research Letters, 2015, 42, 7966-7976.	4.0	166

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19	Land and cryosphere products from Suomi NPP VIIRS: Overview and status. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9753-9765.	3.3	159
20	Generating Consistent Land Surface Temperature and Emissivity Products Between ASTER and MODIS Data for Earth Science Research. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 1304-1315.	6.3	158
21	An Operational Land Surface Temperature Product for Landsat Thermal Data: Methodology and Validation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5717-5735.	6.3	158
22	A global database of lake surface temperatures collected by in situ and satellite methods from 1985–2009. <i>Scientific Data</i> , 2015, 2, 150008.	5.3	153
23	Absolute Radiometric In-Flight Validation of Mid Infrared and Thermal Infrared Data From ASTER and MODIS on the Terra Spacecraft Using the Lake Tahoe, CA/NV, USA, Automated Validation Site. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 1798-1807.	6.3	152
24	State of the Climate in 2010. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, S1-S236.	3.3	135
25	Simulated Aster data for geologic studies. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1995, 33, 692-699.	6.3	131
26	Recovering Surface Temperature and Emissivity from Thermal Infrared Multispectral Data. <i>Remote Sensing of Environment</i> , 1998, 65, 121-131.	11.0	131
27	Surface mineral mapping at Steamboat Springs, Nevada, USA, with multi-wavelength thermal infrared images. <i>Remote Sensing of Environment</i> , 2005, 99, 140-158.	11.0	131
28	Intercomparison of versions 4, 4.1 and 5 of the MODIS Land Surface Temperature and Emissivity products and validation with laboratory measurements of sand samples from the Namib desert, Namibia. <i>Remote Sensing of Environment</i> , 2009, 113, 1313-1318.	11.0	123
29	Quantifying uncertainties in land surface temperature and emissivity retrievals from ASTER and MODIS thermal infrared data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	123
30	Validation of Land Surface Temperature products derived from the Visible Infrared Imaging Radiometer Suite (VIIRS) using ground-based and heritage satellite measurements. <i>Remote Sensing of Environment</i> , 2014, 154, 19-37.	11.0	122
31	Land surface temperature retrieval at high spatial and temporal resolutions over the southwestern United States. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	121
32	The North American ASTER Land Surface Emissivity Database (NAALSED) Version 2.0. <i>Remote Sensing of Environment</i> , 2009, 113, 1967-1975.	11.0	119
33	Landsat TM and ETM+ thermal band calibration. <i>Canadian Journal of Remote Sensing</i> , 2003, 29, 141-153.	2.4	117
34	Effects of Genotype and Environment on Free Amino Acid Levels in Wheat Grain: Implications for Acrylamide Formation during Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1013-1021.	5.2	111
35	Satellite observations indicate rapid warming trend for lakes in California and Nevada. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	107
36	Reservoir Evaporation in the Western United States: Current Science, Challenges, and Future Needs. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 167-187.	3.3	107

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37	Comparison of satellite-derived and in-situ observations of ice and snow surface temperatures over Greenland. <i>Remote Sensing of Environment</i> , 2008, 112, 3739-3749.	11.0	106
38	Investigating the effects of soil moisture on thermal infrared land surface temperature and emissivity using satellite retrievals and laboratory measurements. <i>Remote Sensing of Environment</i> , 2010, 114, 1480-1493.	11.0	94
39	The advanced spaceborne thermal emission and reflectance radiometer (Aster). <i>International Journal of Imaging Systems and Technology</i> , 1991, 3, 144-156.	4.1	89
40	Retrieval of Lake Bulk and Skin Temperatures Using Along-Track Scanning Radiometer (ATSR-2) Data: A Case Study Using Lake Tahoe, California. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003, 20, 534-548.	1.3	86
41	A Surface Temperature Initiated Closure (STIC) for surface energy balance fluxes. <i>Remote Sensing of Environment</i> , 2014, 141, 243-261.	11.0	83
42	The micro fourier transform interferometer (MFTIR) – A new field spectrometer for acquisition of infrared data of natural surfaces. <i>Remote Sensing of Environment</i> , 1996, 56, 172-181.	11.0	78
43	Thermal-based techniques for land cover change detection using a new dynamic MODIS multispectral emissivity product (MOD21). <i>Remote Sensing of Environment</i> , 2014, 140, 755-765.	11.0	78
44	Mapping playa evaporite minerals and associated sediments in Death Valley, California, with multispectral thermal infrared images. <i>Journal of Geophysical Research</i> , 1996, 101, 643-660.	3.3	76
45	Validation of the North American ASTER Land Surface Emissivity Database (NAALSED) version 2.0 using pseudo-invariant sand dune sites. <i>Remote Sensing of Environment</i> , 2009, 113, 2224-2233.	11.0	76
46	Identification of two distinct fire regimes in Southern California: implications for economic impact and future change. <i>Environmental Research Letters</i> , 2015, 10, 094005.	5.2	75
47	Vicarious calibration of ASTER thermal infrared bands. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 2733-2746.	6.3	71
48	Evaluating spectral indices for burned area discrimination using MODIS/ASTER (MASTER) airborne simulator data. <i>Remote Sensing of Environment</i> , 2011, 115, 2702-2709.	11.0	70
49	Mapping the daily progression of large wildland fires using MODIS active fire data. <i>International Journal of Wildland Fire</i> , 2014, 23, 655.	2.4	69
50	Mapping variations in weight percent silica measured from multispectral thermal infrared imagery – Examples from the Hiller Mountains, Nevada, USA and Tres Virgenes-La Reforma, Baja California Sur, Mexico. <i>Remote Sensing of Environment</i> , 2005, 95, 273-289.	11.0	62
51	Evaluating Spectral Indices for Assessing Fire Severity in Chaparral Ecosystems (Southern California) Using MODIS/ASTER (MASTER) Airborne Simulator Data. <i>Remote Sensing</i> , 2011, 3, 2403-2419.	4.0	62
52	Evaluating spectral indices and spectral mixture analysis for assessing fire severity, combustion completeness and carbon emissions. <i>International Journal of Wildland Fire</i> , 2013, 22, 707.	2.4	62
53	A Physics-Based Algorithm for the Simultaneous Retrieval of Land Surface Temperature and Emissivity From VIIRS Thermal Infrared Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 563-576.	6.3	62
54	High spatial resolution imaging of methane and other trace gases with the airborne Hyperspectral Thermal Emission Spectrometer (HyTES). <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2393-2408.	3.1	61

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55	On the predictability of lake surface temperature using air temperature in a changing climate: A case study for Lake Tahoe (U.S.A.). <i>Limnology and Oceanography</i> , 2018, 63, 243-261.	3.1	61
56	In-flight validation and recovery of water surface temperature with Landsat-5 thermal infrared data using an automated high-altitude lake validation site at Lake Tahoe. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004, 42, 2767-2776.	6.3	58
57	Thermal infrared radiometric calibration of the entire Landsat 4, 5, and 7 archive (1982-2010). <i>Remote Sensing of Environment</i> , 2012, 122, 41-49.	11.0	56
58	Contemporaneous deposition of phyllosilicates and sulfates: Using Australian acidic saline lake deposits to describe geochemical variability on Mars. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	53
59	The Miami2001 Infrared Radiometer Calibration and Intercomparison. Part II: Shipboard Results. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 268-283.	1.3	51
60	Skin and bulk temperature difference at Lake Tahoe: A case study on lake skin effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,332.	3.3	50
61	Century-Long Warming Trends in the Upper Water Column of Lake Tanganyika. <i>PLoS ONE</i> , 2015, 10, e0132490.	2.5	50
62	Geographic and temporal variations in turbulent heat loss from lakes: A global analysis across 45 lakes. <i>Limnology and Oceanography</i> , 2018, 63, 2436-2449.	3.1	47
63	The Miami2001 Infrared Radiometer Calibration and Intercomparison. Part I: Laboratory Characterization of Blackbody Targets. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 258-267.	1.3	46
64	Satellite measurements of recent volcanic activity at Oldoinyo Lengai, Tanzania. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 196-206.	2.1	46
65	Optimized split-window coefficients for deriving surface temperatures from inland water bodies. <i>Remote Sensing of Environment</i> , 2011, 115, 3758-3769.	11.0	46
66	Global cloud cover for assessment of optical satellite observation opportunities: A HypSIRI case study. <i>Remote Sensing of Environment</i> , 2012, 126, 62-71.	11.0	46
67	Validation and Quality Assessment of the ECOSTRESS Level-2 Land Surface Temperature and Emissivity Product. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-23.	6.3	46
68	ASTER preflight and in-flight calibration and the validation of Level 2 products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998, 36, 1161-1172.	6.3	45
69	Validation of the Atmospheric Infrared Sounder (AIRS) version 5 land surface emissivity product over the Namib and Kalahari deserts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
70	Landsat-5 Thematic Mapper Thermal Band Calibration Update. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007, 4, 552-555.	3.1	44
71	ASTER Land Surface Emissivity Database of California and Nevada. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	44
72	An alternative spectral index for rapid fire severity assessments. <i>Remote Sensing of Environment</i> , 2012, 123, 72-80.	11.0	44

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73	Thermal Infrared Spectrometer for Earth Science Remote Sensing Applicationsâ€”Instrument Modifications and Measurement Procedures. <i>Sensors</i> , 2011, 11, 10981-10999.	3.8	43
74	Characterizing partial upwellings and surface circulation at Lake Tahoe, Californiaâ€”Nevada, USA with thermal infrared images. <i>Remote Sensing of Environment</i> , 2005, 99, 2-15.	11.0	41
75	Soil emissivity and reflectance spectra measurements. <i>Applied Optics</i> , 2009, 48, 3664.	2.1	40
76	Assessing fire severity using imaging spectroscopy data from the Airborne Visible/Infrared Imaging Spectrometer (AVIRIS) and comparison with multispectral capabilities. <i>Remote Sensing of Environment</i> , 2014, 154, 153-163.	11.0	40
77	ECOSTRESS, A NASA Earth-Ventures Instrument for studying links between the water cycle and plant health over the diurnal cycle. , 2017, , .		38
78	In-Flight Validation of the ECOSTRESS, Landsats 7 and 8 Thermal Infrared Spectral Channels Using the Lake Tahoe CA/NV and Salton Sea CA Automated Validation Sites. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1294-1302.	6.3	38
79	Linking seasonal foliar traits to VSWIR-TIR spectroscopy across California ecosystems. <i>Remote Sensing of Environment</i> , 2016, 186, 322-338.	11.0	37
80	Sub-pixel water temperature estimation from thermal-infrared imagery using vectorized lake features. <i>Remote Sensing of Environment</i> , 2008, 112, 1678-1688.	11.0	36
81	The Combined ASTER MODIS Emissivity over Land (CAMEL) Part 1: Methodology and High Spectral Resolution Application. <i>Remote Sensing</i> , 2018, 10, 643.	4.0	36
82	Monitoring eruptive activity at Mount St. Helens with TIR image data. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	35
83	Relating fish kills to upwellings and wind patterns in the Salton Sea. <i>Hydrobiologia</i> , 2008, 604, 85-95.	2.0	34
84	Land Surface Temperature From the Advanced Along-Track Scanning Radiometer: Validation Over Inland Waters and Vegetated Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 350-360.	6.3	34
85	First Comparisons of Surface Temperature Estimations between ECOSTRESS, ASTER and Landsat 8 over Italian Volcanic and Geothermal Areas. <i>Remote Sensing</i> , 2020, 12, 184.	4.0	34
86	Latitude and lake size are important predictors of overâ€”lake atmospheric stability. <i>Geophysical Research Letters</i> , 2017, 44, 8875-8883.	4.0	31
87	A radianceâ€”based method for estimating uncertainties in the Atmospheric Infrared Sounder (AIRS) land surface temperature product. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
88	High Spatio- Temporal Resolution Land Surface Temperature Mission - a Copernicus Candidate Mission in Support of Agricultural Monitoring. , 2018, , .		29
89	Mapping the Piute Mountains, California, with thermal infrared multispectral scanner (TIMS) images. <i>Journal of Geophysical Research</i> , 1994, 99, 15605.	3.3	28
90	A new methodology for cloud detection and classification with ASTER data. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	27

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91	Modeling aluminum-silicon chemistries and application to Australian acidic playa lakes as analogues for Mars. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3493-3511.	3.9	27
92	An extraordinary upwelling event in a deep thermally stratified lake. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	25
93	In-flight validation of mid- and thermal infrared data from the Multispectral Thermal Imager (MTI) using an automated high-altitude validation site at Lake Tahoe CA/NV, USA. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 1991-1999.	6.3	24
94	Plant species' spectral emissivity and temperature using the hyperspectral thermal emission spectrometer (HyTES) sensor. <i>Remote Sensing of Environment</i> , 2019, 224, 421-435.	11.0	24
95	Measuring surface currents in lakes with high spatial resolution thermal infrared imagery. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	22
96	HyTES: Thermal imaging spectrometer development. , 2011, , .		22
97	The Combined ASTER MODIS Emissivity over Land (CAMEL) Part 2: Uncertainty and Validation. <i>Remote Sensing</i> , 2018, 10, 664.	4.0	21
98	An evaluation of short-wave infrared (SWIR) data from the AVIRIS and GEOSCAN instruments for mineralogical mapping at Cuprite, Nevada. <i>Geophysics</i> , 1991, 56, 1432-1440.	2.6	19
99	Temperature and emissivity separation from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images. , 1996, , .		19
100	Synergy of VSWIR (0.4-2.5µm) and MTIR (3.5-12.5µm) data for post-fire assessments. <i>Remote Sensing of Environment</i> , 2012, 124, 771-779.	11.0	19
101	Impact of the Revisit of Thermal Infrared Remote Sensing Observations on Evapotranspiration Uncertainty: A Sensitivity Study Using AmeriFlux Data. <i>Remote Sensing</i> , 2019, 11, 573.	4.0	19
102	Validation of a New Parametric Model for Atmospheric Correction of Thermal Infrared Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 295-311.	6.3	18
103	Intercomparison of In Situ Sensors for Ground-Based Land Surface Temperature Measurements. <i>Sensors</i> , 2020, 20, 5268.	3.8	18
104	Using satellite data to characterize the temporal thermal behavior of an active volcano: Mount St. Helens, WA. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	17
105	Towards a Unified and Coherent Land Surface Temperature Earth System Data Record from Geostationary Satellites. <i>Remote Sensing</i> , 2019, 11, 1399.	4.0	17
106	Characterization of anthropogenic methane plumes with the Hyperspectral Thermal Emission Spectrometer (HyTES): a retrieval method and error analysis. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3165-3173.	3.1	16
107	NASA's Hyperspectral Thermal Emission Spectrometer (HyTES). <i>Remote Sensing and Digital Image Processing</i> , 2013, , 93-115.	0.7	15
108	Identifying cryptotephra units using correlated rapid, nondestructive methods: VSWIR spectroscopy, X-ray fluorescence, and magnetic susceptibility. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4029-4056.	2.5	15

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109	Intrinsic Dimensionality in Combined Visible to Thermal Infrared Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4977-4984.	4.9	14
110	Sensitivity and uncertainty quantification for the ECOSTRESS evapotranspiration algorithm "DisALEXI". International Journal of Applied Earth Observation and Geoinformation, 2020, 89, 102088.	2.8	13
111	Ship-Borne Thermal Infrared Radiometer Systems. Experimental Methods in the Physical Sciences, 2014, , 305-404.	0.1	12
112	Landsat-7 ETM+ radiometric calibration status. Proceedings of SPIE, 2016, 9972, .	0.8	12
113	Snowmelt Timing as a Determinant of Lake Inflow Mixing. Water Resources Research, 2018, 54, 1237-1251.	4.2	12
114	The Combined ASTER and MODIS Emissivity over Land (CAMEL) Global Broadband Infrared Emissivity Product. Remote Sensing, 2018, 10, 1027.	4.0	12
115	Microbolometer imaging spectrometer. Optics Letters, 2012, 37, 803.	3.3	11
116	Synergy of active and passive airborne thermal infrared systems for surface compositional mapping. Journal of Geophysical Research, 1998, 103, 18269-18276.	3.3	10
117	Nighttime ASTER thermal imagery as an elevation surrogate for filling SRTM DEM voids. Geophysical Research Letters, 2007, 34, .	4.0	10
118	Calibration of Landsat 5 thermal infrared channel: updated calibration history and assessment of the errors associated with the methodology. Canadian Journal of Remote Sensing, 2010, 36, 617-630.	2.4	10
119	Workshop examines warming of lakes worldwide. Eos, 2012, 93, 427-427.	0.1	9
120	A quantitative blueness index for oligotrophic waters: Application to Lake Tahoe, California Nevada. Limnology and Oceanography: Methods, 2016, 14, 100-109.	2.0	9
121	QWEST: Quantum Well Infrared Earth Science Testbed. Proceedings of SPIE, 2008, , .	0.8	8
122	Assessing MODIS LWIR band calibration accuracy. , 2006, , .		7
123	Predicting Wave-Induced Sediment Resuspension at the Perimeter of Lakes Using a Steady-State Spectral Wave Model. Water Resources Research, 2019, 55, 1279-1295.	4.2	7
124	Inflight wavelength correction of Thermal Infrared Multispectral Scanner (TIMS) data acquired from the ER-2. IEEE Transactions on Geoscience and Remote Sensing, 1996, 34, 179-188.	6.3	6
125	Quantum well earth science testbed. Infrared Physics and Technology, 2009, 52, 430-433.	2.9	6
126	NASA's Hyperspectral Infrared Imager (HyspIRI). Remote Sensing and Digital Image Processing, 2013, , 117-130.	0.7	6

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127	Evaluation of a CONUS-Wide ECOSTRESS DisALEXI Evapotranspiration Product. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10117-10133.	4.9	6
128	Climatology of the Combined ASTER MODIS Emissivity over Land (CAMEL) Version 2. Remote Sensing, 2021, 13, 111.	4.0	6
129	Thirsty thermal infrared spatial system. , 2014, , .		5
130	Remote gas plume sensing and imaging with NASA's Hyperspectral Thermal Emission Spectrometer (HyTES).. Proceedings of SPIE, 2014, , .	0.8	5
131	Inter-Comparison of Field- and Laboratory-Derived Surface Emissivities of Natural and Manmade Materials in Support of Land Surface Temperature (LST) Remote Sensing. Remote Sensing, 2020, 12, 4127.	4.0	5
132	Landsat-8 TIRS thermal radiometric calibration status. , 2017, , .		5
133	Decline in Thermal Habitat Conditions for the Endangered Delta Smelt as Seen from Landsat Satellites (1985-2019). Environmental Science & Technology, 2022, 56, 185-193.	10.0	5
134	EOS ASTER thermal infrared band vicarious calibration. , 2001, , .		4
135	Age, distribution, and formation of late Cenozoic paleovalleys of the lower Colorado River and their relation to river aggradation and degradation. , 2008, , 391-410.		4
136	Land Surface Temperature from GOES-East and GOES-West. Journal of Atmospheric and Oceanic Technology, 2021, 38, 843-858.	1.3	4
137	Multiscale Assessment of Agricultural Consumptive Water Use in California's Central Valley. Water Resources Research, 2021, 57, e2020WR028876.	4.2	4
138	Landsat-8 on-orbit and Landsat-9 pre-launch sensor radiometric characterization. , 2018, , .		4
139	Atmospheric effects on the temperature emissivity separation algorithm. , 1998, , .		3
140	Landsat TM and ETM+ thermal band calibration. , 2006, , .		3
141	Towards HyTES: an airborne thermal imaging spectroscopy instrument. Proceedings of SPIE, 2009, , .	0.8	3
142	Infrared instrument support for HypIRI-TIR. , 2012, , .		3
143	Spectral Emissivity (SE) Measurement Uncertainties across 2.5-14 µm Derived from a Round-Robin Study Made across International Laboratories. Remote Sensing, 2021, 13, 102.	4.0	3
144	Relating fish kills to upwellings and wind patterns in the Salton Sea. , 2008, , 85-95.		3

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145	Landsat-8 TIRS radiometric calibration status. , 2020, , .		3
146	Thermal infrared spectral imager for airborne science applications. Proceedings of SPIE, 2009, , .	0.8	2
147	Twenty-five years of landsat thermal band calibration. , 2010, , .		2
148	High speed, multi-channel, thermal instrument development in support of HypsIRI-TIR. , 2011, , .		2
149	Aster/TIR vicarious calibration activities in the last 11 years. , 2011, , .		2
150	ASTER/TIR vicarious calibration activities in US and Japan validation sites for 14 years. Proceedings of SPIE, 2014, , .	0.8	2
151	Mid and thermal infrared remote sensing at the Jet Propulsion Laboratory. Proceedings of SPIE, 2016, , .	0.8	2
152	Quantification of Ammonia Emissions With High Spatial Resolution Thermal Infrared Observations From the Hyperspectral Thermal Emission Spectrometer (HyTES) Airborne Instrument. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4798-4812.	4.9	2
153	Lake Surface Temperature. , 2019, , 129-150.		2
154	Landsat-8 TIRS radiometric calibration status. , 2021, , .		2
155	Landsat-7 and Landsat-5 thermal band calibration updates. , 2009, , .		1
156	Thermal infrared spectral imager for airborne science applications. , 2009, , .		1
157	Hyperspectral Imaging in the Thermal Infrared: Existing and Future Instruments. , 2015, , .		1
158	ECOSTRESS End-to-End Radiometric Validation. , 2019, , .		1
159	Joint VSWIR-TIR retrievals of earth's surface and atmosphere. Remote Sensing of Environment, 2021, 267, 112727.	11.0	1
160	Validation of Landsat 7 ETM+ band 6 radiometric performance. , 2005, , .		0
161	Aqua MODIS L1B radiometric accuracy update for TIR bands: Tahoe 2006 field data from the NASA ER-2. Proceedings of SPIE, 2007, 6677, 247.	0.8	0
162	Field calibration of a broadband compact thermal infrared spectrometer for earth science. , 2010, , .		0

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163	Global trends in lake temperatures observed from space. , 2012, , .		0
164	Improvements to radiometric consistency between AVHRR, MODIS, and VIIRS in SST bands using MICROS online near-real time system. , 2012, , .		0
165	NPP VIIRS land surface temperature product validation using worldwide observation networks. , 2013, , .		0
166	Characterization and performance of the Prototype HypsIRI-TIR (PHyTIR) Sensor. , 2014, , .		0
167	A Look to the Future: Thermal-Infrared Missions and Measurements. , 2019, , 227-237.		0
168	Diurnal Variability of Surface Temperature over Lakes: Case Study for Lake Huron. Atmosphere, 2021, 12, 252.	2.3	0
169	Thermal Radiation Sensors (Emitted). Encyclopedia of Earth Sciences Series, 2014, , 830-834.	0.1	0
170	Regional Surveys of CH4 Point Sources Across North America: Campaigns, Algorithms, and Results. , 2020, , .		0