Tsuneo Matsunaga

List of Publications by Year
in descending order

157	5,915	81900 39	79698 73
papers	citations	h-index	g-index

185	185	185	5318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity of biomass burning emissions estimates to land surface information. Biogeosciences, 2022, 19, 2059-2078.	3.3	5
2	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
3	Interannual variability on methane emissions in monsoon Asia derived from GOSAT and surface observations. Environmental Research Letters, 2021, 16, 024040.	5.2	14
4	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
5	High-resolution and multi-year estimation of emissions from open biomass burning in Northeast China during 2001â€“2017. Journal of Cleaner Production, 2021, 310, 127496.	9.3	15
6	Thermophysical Properties of C-Type Asteroid 162173 Ryugu Revealed by the Thermal Infrared Imager TIR on Hayabusa2. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 654-659.	0.2	1
7	Meteorological control of subtropical South American methane emissions estimated from GOSAT observations. Scientific Online Letters on the Atmosphere, 2021, , .	1.4	2
8	Quantifying CO2 emissions from a thermal power plant based on CO2 column measurements by portable Fourier transform spectrometers. Remote Sensing of Environment, 2021, 267, 112714.	11.0	8
9	Bias Correction of the Ratio of Total Column CH4 to CO2 Retrieved from GOSAT Spectra. Remote Sensing, 2020, 12, 3155.	4.0	2
10	Global terrestrial carbon fluxes of 1999â€“2019 estimated by upscaling eddy covariance data with a random forest. Scientific Data, 2020, 7, 313.	5.3	71
11	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. Icarus, 2020, 348, 113835.	2.5	48
12	A multi-year and high-resolution inventory of biomass burning emissions in tropical continents from 2001â€“2017 based on satellite observations. Journal of Cleaner Production, 2020, 270, 122511.	9.3	29
13	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
14	Country-Scale Analysis of Methane Emissions with a High-Resolution Inverse Model Using GOSAT and Surface Observations. Remote Sensing, 2020, 12, 375.	4.0	28
15	Validation of XCO₂ and XCH₄ retrieved from a portable Fourier transform spectrometer with those from in situ profiles from aircraft-borne instruments. Atmospheric Measurement Techniques, 2020, 13, 5149-5163.	3.1	3
16	Products and Science Achievements of Gosat Satellite Series. , 2020, , .		0
17	Inversion Estimates of Methane Emission in the Middle East in 2010-2017 with GOSAT Observations. , 2020, , .		0
18	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. Science, 2019, 364, 272-275.	12.6	262

#	Article	IF	Citations
19	HISUI Status Toward 2020 Launch. , 2019, , .		9
20	On the zero-level offset in the GOSAT TANSO-FTS O₂ AÂband and the quality of solar-induced chlorophyll fluorescence (SIF): comparison of SIF between GOSAT and OCO-2. Atmospheric Measurement Techniques, 2019, 12, 6721-6735.	3.1	3
21	Methane Emission Estimates by the Global High-Resolution Inverse Model Using National Inventories. Remote Sensing, 2019, 11, 2489.	4.0	29
22	High-resolution inventory of mercury emissions from biomass burning in tropical continents during 2001â€“2017. Science of the Total Environment, 2019, 653, 638-648.	8.0	25
23	Nocturnal aerosol optical depth measurements with modified sky radiometer POM-02 using the moon as a light source. Atmospheric Measurement Techniques, 2019, 12, 6465-6488.	3.1	9
24	Long-term trends and spatial patterns of PM2.5-induced premature mortality in South and Southeast Asia from 1999 to 2014. Science of the Total Environment, 2018, 631-632, 1504-1514.	8.0	42
25	Spaceâ€Weathered Anorthosite as Spectral Dâ€Type Material on the Martian Satellites. Geophysical Research Letters, 2018, 45, 1305-1312.	4.0	8
26	Aerosol Optical Characteristics in Fukuoka and Beijing Measured by Integrating Nephelometer and Aethalometer: Comparison of Source and Downstream Regions. Journal of the Meteorological Society of Japan, 2018, 96, 215-240.	1.8	1
27	Long-term trends and spatial patterns of satellite-retrieved PM2.5 concentrations in South and Southeast Asia from 1999 to 2014. Science of the Total Environment, 2018, 615, 177-186.	8.0	100
28	Simultaneous retrieval of temperature and area according to sub-pixel hotspots from nighttime Landsat 8 OLI data. Remote Sensing of Environment, 2018, 204, 276-286.	11.0	15
29	Preliminary verification for application of a support vector machine-based cloud detection method to GOSAT-2 CAI-2. Atmospheric Measurement Techniques, 2018, 11, 2863-2878.	3.1	7
30	Hisui Status Toward FY2019 Launch. , 2018, , .		16
31	Information content analysis: the potential for methane isotopologue retrieval from GOSAT-2. Atmospheric Measurement Techniques, 2018, 11, 1159-1179.	3.1	4
32	The instrument constant of sky radiometers (POM-02) â€“ Part 1: Calibration constant. Atmospheric Measurement Techniques, 2018, 11, 5363-5388.	3.1	9
33	The instrument constant of sky radiometers (POM-02) â€“ Part 2: Solid view angle. Atmospheric Measurement Techniques, 2018, 11, 5389-5402.	3.1	15
34	Underlying causes of PM2.5-induced premature mortality and potential health benefits of air pollution control in South and Southeast Asia from 1999 to 2014. Environment International, 2018, 121, 814-823.	10.0	28
35	Impact of Changes in Minimum Reflectance on Cloud Discrimination. Remote Sensing, 2018, 10, 693.	4.0	3
36	Animal Detection Using Thermal Images and Its Required Observation Conditions. Remote Sensing, 2018, 10, 1050.	4.0	20

#	Article	IF	Citations
37	Impact velocity dependence of transient cratering growth. Journal of Geophysical Research E: Planets, 2017, 122, 1077-1089.	3.6	12
38	An Automated Method for Crater Counting Using Rotational Pixel Swapping Method. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4384-4397.	6.3	10
39	NIRS3: The Near Infrared Spectrometer on Hayabusa2. Space Science Reviews, 2017, 208, 317-337.	8.1	60
40	Thermal Infrared Imaging Experiments of C-Type Asteroid 162173 Ryugu on Hayabusa2. Space Science Reviews, 2017, 208, 255-286.	8.1	64
41	Interpreting Temporal Changes of Atmospheric CO₂Over Fire Affected Regions Based on GOSAT Observations. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 77-81.	3.1	8
42	Evidence of impact melt sheet differentiation of the lunar South Poleâ€Aitken basin. Journal of Geophysical Research E: Planets, 2017, 122, 1672-1686.	3.6	22
43	Temporal comparison of global inventories of CO2 emissions from biomass burning during 2002â€“2011 derived from remotely sensed data. Environmental Science and Pollution Research, 2017, 24, 16905-16916.	5.3	15
44	Lidar detection of high concentrations of ozone and aerosol transported from northeastern Asia over Saga, Japan. Atmospheric Chemistry and Physics, 2017, 17, 1865-1879.	4.9	7
45	Current status of Hyperspectral Imager Suite (HISUI) onboard International Space Station (ISS). , 2017, , .		19
46	Technical note: Evaluation of three machine learning models for surface ocean CO₂ mapping. Ocean Science, 2017, 13, 303-313.	3.4	14
47	The Impact of Different Support Vectors on GOSAT-2 CAI-2 L2 Cloud Discrimination. Remote Sensing, 2017, 9, 1236.	4.0	10
48	Assessment of Anthropogenic Methane Emissions over Large Regions Based on GOSAT Observations and High Resolution Transport Modeling. Remote Sensing, 2017, 9, 941.	4.0	7
49	An evaluation method of reflectance spectra to be obtained by Hayabusa2 Near-Infrared Spectrometer (NIRS3) based on laboratory measurements of carbonaceous chondrites. Earth, Planets and Space, 2017, 69, .	2.5	4
50	NIRS3: The Near Infrared Spectrometer on Hayabusa2. , 2017, , 317-337.		2
51	Observation planning algorithm of a Japanese space-borne sensor: Hyperspectral Imager SUIte (HISUI) onboard International Space Station (ISS) as platform. , 2017, , .		0
52	Comparison of XH2O Retrieved from GOSAT Short-Wavelength Infrared Spectra with Observations from the TCCON Network. Remote Sensing, 2016, 8, 414.	4.0	20
53	Climate-Induced Extreme Hydrologic Events in the Arctic. Remote Sensing, 2016, 8, 971.	4.0	7
54	Comparing GOSAT observations of localized CO₂ enhancements by large emitters with inventoryâ€based estimates. Geophysical Research Letters, 2016, 43, 3486-3493.	4.0	74

#	Article	IF	Citations
55	Estimation of net ecosystem production in Asia using the diagnostica€type ecosystem model with a 10â€‰km grida€scale resolution. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1484-1502.	3.0	8
56	Current status of Hyperspectral Imager Suite (HISUI) and its deployment plan on International Space Station. , 2016, , .		2
57	Difference between forward- and backward-looking bands of GOSAT-2 CAI-2 cloud discrimination used with Terra MISR data. International Journal of Remote Sensing, 2016, 37, 1115-1126.	2.9	3
58	Case studies for observation planning algorithm of a Japanese spaceborne sensor: Hyperspectral Imager Suite (HISUI). Proceedings of SPIE, 2016, , .	0.8	0
59	Tectonic evolution of northwestern Imbrium of the Moon that lasted in the Copernican Period. Earth, Planets and Space, 2016, 68, .	2.5	6
60	Development of an application scheme for the SELENE/SP lunar reflectance model for radiometric calibration of hyperspectral and multispectral sensors. Planetary and Space Science, 2016, 124, 76-83.	1.7	33
61	Classification of Seagrass Beds by Coupling Airborne LiDAR Bathymetry Data and Digital Aerial Photographs. Structure and Function of Mountain Ecosystems in Japan, 2016, , 59-70.	0.5	1
62	Global occurrence trend of high-Ca pyroxene on lunar highlands and its implications. Journal of Geophysical Research E: Planets, 2015, 120, 831-848.	3.6	13
63	Detection of large point sources of carbon dioxide by a satellite hyperspectral camera. , 2015, , .		0
64	Bottom-type classification in coral reef area using hyperspectral bottom index imagery. , 2015, , .		1
65	Featureless spectra on the Moon as evidence of residual lunar primordial crust. Journal of Geophysical Research E: Planets, 2015, 120, 2190-2205.	3.6	13
66	GOSAT-2014 methane spectral line list. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 63-71.	2.3	48
67	Comparison of global inventories of CO2 emissions from biomass burning during 2002â€“2011 derived from multiple satellite products. Environmental Pollution, 2015, 206, 479-487.	7.5	62
68	High-Resolution Mapping of Biomass Burning Emissions in Three Tropical Regions. Environmental Science & Technology, 2015, 49, 10806-10814.	10.0	36
69	Rotational Pixel Swapping Method for Detection of Circular Features in Binary Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 710-723.	6.3	5
70	DIAL measurement of lower tropospheric ozone over Saga (33.24Â° N, 130.29Â° E), Japan, and comparison with a chemistryâ€“climate model. Atmospheric Measurement Techniques, 2014, 7, 1385-1394.	3.1	16
71	ASTER/TIR vicarious calibration activities in US and Japan validation sites for 14 years. Proceedings of SPIE, 2014, , .	0.8	2
72	Observation planning algorithm of a Japanese spaceborne sensor: Hyperspectral Imager Suite (HISUI). , 2014, , .		0

#	Article	IF	Citations
73	Geologic structure generated by largeâ€impact basin formation observed at the South Poleâ€Aitken basin on the Moon. Geophysical Research Letters, 2014, 41, 2738-2745.	4.0	49
74	Effective observation planning and its simulation of a Japanese spaceborne sensor: Hyperspectral imager suite (HISUI). , 2014, , .		3
75	Statistical and in-situ validations of the ASTER spectral emissivity product at Railroad Valley, Nevada, USA. Remote Sensing of Environment, 2014, 145, 81-92.	11.0	6
76	Calibration of NIR 2 of Spectral Profiler Onboard Kaguya/SELENE. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6882-6898.	6.3	14
77	Support system for surveying moving wild animals in the snow using aerial remote-sensing images. International Journal of Remote Sensing, 2014, 35, 1374-1394.	2.9	14
78	Variation of the lunar highland surface roughness at baseline 0.15â€“100â€‰km and the relationship to relative age. Geophysical Research Letters, 2014, 41, 1444-1451.	4.0	11
79	One Moon, many measurements 1: Radiance values. Icarus, 2013, 226, 951-963.	2.5	24
80	One Moon, many measurements 2: Photometric corrections. Icarus, 2013, 226, 127-139.	2.5	33
81	One Moon, Many Measurements 3: Spectral reflectance. Icarus, 2013, 226, 364-374.	2.5	73
82	An explanation of bright areas inside Shackleton Crater at the Lunar South Pole other than waterâ€ice deposits. Geophysical Research Letters, 2013, 40, 3814-3818.	4.0	23
83	Usability of lunar reflectance model based on SELENE/SP for planned HISUI radiometric calibration. , 2013, , .		1
84	Observation planning and its coverage simulation of a Japanese spaceborne sensor: Hyperspectral Imager Suite (HISUI). , 2013, , .		2
85	Effects of atmospheric light scattering on spectroscopic observations of greenhouse gases from space. Part 2: Algorithm intercomparison in the GOSAT data processing for CO₂ retrievals over TCCON sites. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1493-1512.	3.3	46
86	Current status of Hyperspectral Imager Suite (HISUI). , 2013, , .		12
87	Linking Carbon Dioxide Variability at Hateruma Station to East Asia Emissions by Bayesian Inversion. Geophysical Monograph Series, 2013, , 163-172.	0.1	2
88	A monitoring method of coral bleaching and recovery by using hyperspectral sensor. , 2013, , .		3
89	A new type of pyroclastic deposit on the Moon containing Feâ€spinel and chromite. Geophysical Research Letters, 2013, 40, 4549-4554.	4.0	38
90	Biosphere Aspects of the Development of Siberia. Problems of Economic Transition, 2012, 55, 52-56.	0.0	0

#	Article	IF	Citations
91	On recent (2008â€“2012) stratospheric aerosols observed by lidar over Japan. Atmospheric Chemistry and Physics, 2012, 12, 11975-11984.	4.9	28
92	Effects of atmospheric light scattering on spectroscopic observations of greenhouse gases from space: Validation of PPDFâ€based CO₂ retrievals from GOSAT. Journal of Geophysical Research, 2012, 117, .	3.3	42
93	Asymmetric crustal growth on the Moon indicated by primitive farside highland materials. Nature Geoscience, 2012, 5, 384-388.	12.9	79
94	Compositional evidence for an impact origin of the Moonâ€™s Procellarum basin. Nature Geoscience, 2012, 5, 775-778.	12.9	45
95	Olivine-rich exposures in the South Pole-Aitken Basin. Icarus, 2012, 218, 331-344.	2.5	57
96	Massive layer of pure anorthosite on the Moon. Geophysical Research Letters, 2012, 39, .	4.0	102
97	Preflight and In-Flight Calibration of the Spectral Profiler on Board SELENE (Kaguya). IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4660-4676.	6.3	35
98	The widespread occurrence of high-calcium pyroxene in bright-ray craters on the Moon and implications for lunar-crust composition. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	18
99	Timing and characteristics of the latest mare eruption on the Moon. Earth and Planetary Science Letters, 2011, 302, 255-266.	4.4	133
100	Biospheric context of Siberian development. Nature Precedings, 2011, , .	0.1	0
101	Vicarious Calibration of the GOSAT Sensors Using the Railroad Valley Desert Playa. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1781-1795.	6.3	49
102	Validation of Frame-Transfer Correction of SELENE/LISM/MI. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2911-2917.	6.3	2
103	Lunar photometric properties at wavelengths 0.5â€“1.6 Î¼m acquired by SELENE Spectral Profiler and their dependency on local albedo and latitudinal zones. Icarus, 2011, 215, 639-660.	2.5	86
104	Support system to extract tie points in airborne images of snow covered area using roots of single trees. , 2011, , .		0
105	Timing and duration of mare volcanism in the central region of the northern farside of the Moon. Earth, Planets and Space, 2011, 63, 5-13.	2.5	25
106	Aster/TIR vicarious calibration activities in the last 11 years. , 2011, , .		2
107	GOSAT higher level product status 1.5 year after the launch. , 2010, , .		1
108	Characterization of Multiband Imager Aboard SELENE. Space Science Reviews, 2010, 154, 79-102.	8.1	27

#	Article	IF	Citations
109	Deriving the Absolute Reflectance of Lunar Surface Using SELENE (Kaguya) Multiband Imager Data. Space Science Reviews, 2010, 154, 57-77.	8.1	67
110	METEX â€“ A flexible tool for air trajectory calculationâ˜†. Environmental Modelling and Software, 2010, 25, 607-608.	4.5	32
111	Possible mantle origin of olivine around lunar impact basins detected by SELENE. Nature Geoscience, 2010, 3, 533-536.	12.9	184
112	Automatic detection of moving wild animals in airborne remote sensing images. , 2010, , .		3
113	Deriving the Absolute Reflectance of Lunar Surface Using SELENE (Kaguya) Multiband Imager Data. , 2010, , 57-77.		2
114	Characterization of Multiband Imager Aboard SELENE. , 2010, , 79-102.		2
115	Preliminary Results of the SELENE Terrain Camera. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Tk_61-Tk_66.	0.2	1
116	The global distribution of pure anorthosite on the Moon. Nature, 2009, 461, 236-240.	27.8	265
117	Long-Lived Volcanism on the Lunar Farside Revealed by SELENE Terrain Camera. Science, 2009, 323, 905-908.	12.6	133
118	Mare volcanism in the lunar farside Moscoviense region: Implication for lateral variation in magma production of the Moon. Geophysical Research Letters, 2009, 36, .	4.0	51
119	Possible lunar lava tube skylight observed by SELENE cameras. Geophysical Research Letters, 2009, 36, .	4.0	134
120	Ultramafic impact melt sheet beneath the South Poleâ€“Aitken basin on the Moon. Geophysical Research Letters, 2009, 36, .	4.0	61
121	Formation age of the lunar crater Giordano Bruno. Meteoritics and Planetary Science, 2009, 44, 1115-1120.	1.6	49
122	Feasibility Study of Transparency Estimation in Lake Nakaumi by SGLI using in-situ Spectral Reflectance Data. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2009, 65, 1046-1050.	0.4	0
123	The Result of SELENE (KAGUYA) Development and Operation~!2009-06-28~!2009-08-10~!2009-10-01~!. Recent Patents on Space Technology, 2009, 1, 12-23.	0.1	5
124	Lunar Surface Roughness Estimation Using Stereoscopic Data. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Pk_29-Pk_34.	0.2	1
125	Normative productivity of the global vegetation. Carbon Balance and Management, 2008, 3, 8.	3.2	7
126	Scientific objectives and specification of the SELENE Multiband Imager. Advances in Space Research, 2008, 42, 301-304.	2.6	7

#	Article	IF	Citations
127	Discoveries on the lithology of lunar crater central peaks by SELENE Spectral Profiler. Geophysical Research Letters, 2008, 35, .	4.0	87
128	Planned radiometrically calibrated and geometrically corrected products of lunar high-resolution Terrain Camera on SELENE. Advances in Space Research, 2008, 42, 310-316.	2.6	34
129	Global lunar-surface mapping experiment using the Lunar Imager/Spectrometer on SELENE. Earth, Planets and Space, 2008, 60, 243-255.	2.5	184
130	Performance and scientific objectives of the SELENE (KAGUYA) Multiband Imager. Earth, Planets and Space, 2008, 60, 257-264.	2.5	116
131	Lunar cratering chronology: Statistical fluctuation of crater production frequency and its effect on age determination. Earth, Planets and Space, 2008, 60, 265-270.	2.5	5
132	Lack of Exposed Ice Inside Lunar South Pole Shackleton Crater. Science, 2008, 322, 938-939.	12.6	77
133	Biospheric context of Siberian development. Nature Precedings, 2008, , .	0.1	0
134	Relationships between ice breakup dates of lakes and local air temperature on the Eurasian continent. International Journal of Remote Sensing, 2007, 28, 5535-5550.	2.9	3
135	Estimating ice breakup dates on Eurasian lakes using water temperature trends and threshold surface temperatures derived from MODIS data. International Journal of Remote Sensing, 2007, 28, 2163-2179.	2.9	15
136	Evaluation of various satellite sensors for waterline extraction in a coral reef environment: Majuro Atoll, Marshall Islands. Geomorphology, 2006, 82, 398-411.	2.6	81
137	Automated detection and classification of lunar craters using multiple approaches. Advances in Space Research, 2006, 37, 21-27.	2.6	97
138	GLOBAL HIGH-RESOLUTION STEREO MAPPING OF THE MOON WITH THE SELENE TERRAIN CAMERA. , 2006, , 101-108.		7
139	Vicarious calibration of ASTER thermal infrared bands. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2733-2746.	6.3	71
140	Stream Water Chemistry of Water Conservation Forest in Kanto Mountain Region. Suimon Mizu Shigen Gakkaishi, 2005, 18, 424-434.	0.1	2
141	Net primary production in Southeast Asia following a large reduction in photosynthetically active radiation owing to smoke. Geophysical Research Letters, 2005, 32, .	4.0	18
142	Satellite estimation of photosynthetically active radiation in Southeast Asia: Impacts of smoke and cloud cover. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	20
143	Estimation of the Ice Breakup Dates Using the Water Temperature Trend from In-Situ Data and MODIS Data at Saroma-ko Lagoon. Suimon Mizu Shigen Gakkaishi, 2004, 17, 241-251.	0.1	3
144	The spatial distribution of the ice breakup dates on Lake Baikal and time series of the ice breakup dates on Lake Khanka. Journal of the Japanese Society of Snow and Ice, 2004, 66, 581-590.	0.1	1

#	Article	IF	Citations
145	åšæ™,æœŸLandsatãƒ‡ãƒ¼ã,¿ã,'ç"¨ã,ãŸå®é"æ¹–ãƒ»ä¸æµ·ã®ã,¯ãƒãƒãƒ•ã,£ãƒ«aæ¿ƒåº¦å^†å¸ƒæŽ¨å®š. Proceedings of Coastal Engineerin	0.1	1
146	<title>Early evaluation of ASTER emissivity products and its application to environmental and geologic studies</title>. , 2002, , .		5
147	A METHOD OF THE DETAILED VEGETATION MAPPING OF URBAN AREA AND SURROUNDING FOREST. AIJ Journal of Technology and Design, 2002, 8, 185-188.	0.3	0
148	<title>Development of a visible and near-infrared spectrometer for Selenological and Engineering Explorer (SELENE)</title>. , 2001, 4151, 32.		13
149	DETAILED URBAN VEGETATIVE COVER MAP WITH ESTIMATION OF VEGETATION LOCATION IN MIXEL. Nihon Kenchiku Gakkai Keikakukei Ronbunshu, 2001, 66, 77-83.	0.3	2
150	Temperature and emissivity separation from ASTER on EOS AM-1 - preflight validation by ASTER airborne simulator -. Advances in Space Research, 1999, 23, 1463-1469.	2.6	2
151	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
152	ASTER preflight and inflight calibration and the validation of Level 2 products. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1161-1172.	6.3	45
153	A comparison of thermal infrared emissivity spectra measured in situ, in the laboratory, and derived from thermal infrared multispectral scanner (TIMS) data in Cuprite, Nevada, U.S.A.. International Journal of Remote Sensing, 1997, 18, 1571-1581.	2.9	24
154	Temperature and emissivity separation from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images. , 1996, , .		19
155	Future potential of thermal infrared multispectral data for mapping temperature and emissivity parameters. Advances in Space Research, 1994, 14, 71-80.	2.6	1
156	Curie point depth in northeast Japan and its correlation with regional thermal structure and seismicity. Journal of Geophysical Research, 1994, 99, 22363-22371.	3.3	96
157	COMPUTATIONAL GEOLOGY FOR LUNAR DATA ANALYSIS FROM LISM ON KAGUYA. , 0, , 77-88.		1