

David Le Vine

List of Publications by Year in descending order

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46
papers

1,048
citations

471509

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414414

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46
all docs

46
docs citations

46
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquarius and Remote Sensing of Sea Surface Salinity from Space. Proceedings of the IEEE, 2010, 98, 688-703.	21.3	172
2	Sea Surface Salinity: The Next Remote Sensing Challenge. Oceanography, 1995, 8, 44-50.	1.0	141
3	The Salinity Retrieval Algorithms for the NASA Aquarius Version 5 and SMAP Version 3 Releases. Remote Sensing, 2018, 10, 1121.	4.0	127
4	Accurate measurements of the dielectric constant of seawater at L band. Radio Science, 2016, 51, 2-24.	1.6	56
5	Remote Sensing of Sea Surface Salinity: Comparison of Satellite and In Situ Observations and Impact of Retrieval Parameters. Remote Sensing, 2019, 11, 750.	4.0	55
6	Aquarius RFI Detection and Mitigation Algorithm: Assessment and Examples. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4574-4584.	6.3	43
7	The Aquarius Simulator and Cold-Sky Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3198-3210.	6.3	38
8	Status of Aquarius/SAC-D and Aquarius Salinity Retrievals. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5401-5415.	4.9	34
9	The Influence of Antenna Pattern on Faraday Rotation in Remote Sensing at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2737-2746.	6.3	29
10	L-Band Model Function of the Dielectric Constant of Seawater. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6964-6974.	6.3	28
11	Aquarius Active/Passive RFI Environment at L-Band. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1747-1751.	3.1	27
12	Seawater Debye Model Function at L-Band and Its Impact on Salinity Retrieval From Aquarius Satellite Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8103-8116.	6.3	21
13	Effects of the Antenna Aperture on Remote Sensing of Sea Surface Salinity at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2051-2060.	6.3	20
14	Aquarius Third Stokes Parameter Measurements: Initial Results. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 520-524.	3.1	20
15	Status of Aquarius and Salinity Continuity. Remote Sensing, 2018, 10, 1585.	4.0	20
16	Soil Moisture Active/Passive L-Band Microwave Radiometer Postlaunch Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5339-5354.	6.3	18
17	Aquarius L-band Radiometers Calibration Using Cold Sky Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5433-5449.	4.9	17
18	Location of Radio-Frequency Interference Sources Using the SMAP L-Band Radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6854-6866.	6.3	17

#	ARTICLE	IF	CITATIONS
19	The Multifrequency Future for Remote Sensing of Sea Surface Salinity from Space. Remote Sensing, 2020, 12, 1381.	4.0	17
20	L-Band RFI Detected by SMOS and Aquarius. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4220-4235.	6.3	16
21	Microwave Radiometry at Frequencies From 500 to 1400 MHz: An Emerging Technology for Earth Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4894-4914.	4.9	16
22	Impact of Antenna Pattern on Measurement of the Third Stokes Parameter From Space at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 406-414.	6.3	15
23	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Upgrade. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1647-1657.	4.9	14
24	Aquarius: Status and recent results. Radio Science, 2014, 49, 709-720.	1.6	13
25	Comment on Modified Stokes Parameters. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2707-2713.	6.3	10
26	RFI and Remote Sensing of the Earth From Space. Journal of Astronomical Instrumentation, 2019, 08, .	1.5	9
27	Detection of Residual "Hot Spots" in RFI-Filtered SMAP Data. Remote Sensing, 2019, 11, 2935.	4.0	8
28	Aquarius whole range calibration: Celestial Sky, ocean, and land targets. , 2014, , .		7
29	Faraday Rotation Correction for the SMAP Radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2070-2081.	6.3	7
30	Properties of the RFI Environment at 1400-1427 MHz as Observed by the Soil Moisture Active/Passive Mission Microwave Radiometer. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7259-7267.	4.9	6
31	The Salinity Pilot-Mission Exploitation Platform (Pi-MEP): A Hub for Validation and Exploitation of Satellite Sea Surface Salinity Data. Remote Sensing, 2021, 13, 4600.	4.0	6
32	Retrieval of RFI Characteristics Using L-Band Satellite Data. , 2020, , .		4
33	Faraday Rotation Correction for SMAP and Soil Moisture Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 655-668.	6.3	3
34	Seawater Dielectric Measurements at L-Band with Latest Improvements. , 2018, , .		3
35	Sensitivity of Wide Bandwidth Radiometer for Remote Sensing of Ocean Salinity. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	3
36	Study of a Strong L-Band RFI Source. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9495-9503.	4.9	3

#	ARTICLE	IF	CITATIONS
37	SMAP Observations of the Fourth Stokes Parameter At L-Band. , 2019, , .		2
38	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Revisit: Approach and Performance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11406-11416.	4.9	2
39	Measurement of SST and SSS Using Frequencies in the Range 0.3â€“2.0ÂGHz. Radio Science, 2022, 57, .	1.6	1
40	Total Electron Content Retrieved From Lâ€B-Band Radiometers and Potential Improvements to the IGS Model. Radio Science, 2018, 53, 525-534.	1.6	0
41	An Approach to Address Residual â€œHot Spotsâ€in SMAP RFI-Filtered Data. , 2019, , .		0
42	A Theoretical Algorithm for the Retrieval of Sea Surface Salinity from Smap Observations. , 2019, , .		0
43	Lessons Learned from SMAP Radiometer Pre-/Post-launch Calibration. , 2021, , .		0
44	Spurious Signal in SMAP Fourth Stokes Parameter. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9472-9485.	6.3	0
45	Smop Microwave Radiometer Calibration Revisit Approaches and Performamnce. , 2020, , .		0
46	Debye Dielectric Model Function for Seawater Based on Expanded L-Band Measurement Data Set. , 2020, , .		0