Son V Nghiem

List of Publications by Year
in descending order

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39 papers	1,175 citations	361413 20 h-index	395702 33 g-index
46 all docs	46 docs citations	46 times ranked	1780 citing authors

#	Article	IF	Citations
1	Interdecadal changes in snow depth on Arctic sea ice. Journal of Geophysical Research: Oceans, 2014, 119, 5395-5406.	2.6	186
2	Space-based measurement of river runoff. Eos, 2005, 86, 185.	0.1	110
3	Wetland monitoring with Global Navigation Satellite System reflectometry. Earth and Space Science, 2017, 4, 16-39.	2.6	91
4	The role of snow on the thermal dependence of microwave backscatter over sea ice. Journal of Geophysical Research, 1999, 104, 25789-25803.	3.3	83
5	Convective forcing of mercury and ozone in the Arctic boundary layer induced by leads in sea ice. Nature, 2014, 506, 81-84.	27.8	79
6	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. Progress in Earth and Planetary Science, 2017, 4, .	3.0	69
7	Ring of impact from the megaâ€urbanization of Beijing between 2000 and 2009. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5740-5756.	3.3	45
8	Observations of bromine monoxide transport in the Arctic sustained on aerosol particles. Atmospheric Chemistry and Physics, 2017, 17, 7567-7579.	4.9	44
9	Field and satellite observations of the formation and distribution of Arctic atmospheric bromine above a rejuvenated sea ice cover. Journal of Geophysical Research, 2012, 117, .	3.3	43
10	Groundwater vulnerability maps derived from a time-dependent method using satellite scatterometer data. Hydrogeology Journal, 2015, 23, 631-647.	2.1	30
11	Horizontal and vertical structure of reactive bromine events probed by bromine monoxide MAX-DOAS. Atmospheric Chemistry and Physics, 2017, 17, 9291-9309.	4.9	27
12	A versatile method for groundwater vulnerability projections in future scenarios. Journal of Environmental Management, 2017, 187, 365-374.	7.8	26
13	Satellite scatterometer estimation of urban built-up volume: Validation with airborne lidar data. International Journal of Applied Earth Observation and Geoinformation, 2019, 77, 100-107.	2.8	26
14	Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO₂emission in Vietnam, Cambodia and Laos. Environmental Research Communications, 2019, 1, 091006.	2.3	25
15	Snowmelt onset hinders bromine monoxide heterogeneous recycling in the Arctic. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8297-8309.	3.3	24
16	Studying Bromine, Ozone, and Mercury Chemistry in the Arctic. Eos, 2013, 94, 289-291.	0.1	23
17	Expansion of major urban areas in the US Great Plains from 2000 to 2009 using satellite scatterometer data. Remote Sensing of Environment, 2018, 204, 524-533.	11.0	22
18	Springtime Bromine Activation over Coastal and Inland Arctic Snowpacks. ACS Earth and Space Chemistry, 2018, 2, 1075-1086.	2.7	22

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19	Up and out: A multifaceted approach to characterizing urbanization in Greater Saigon, 2000â€“2009. Landscape and Urban Planning, 2019, 187, 199-209.	7.5	22
20	Microwave Signatures of Snow Cover Using Numerical Maxwell Equations Based on Discrete Dipole Approximation in Bicontinuous Media and Half-Space Dyadic Green's Function. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4686-4702.	4.9	20
21	Snowpack measurements suggest role for multi-year sea ice regions in Arctic atmospheric bromine and chlorine chemistry. Elementa, 2019, 7, .	3.2	20
22	Uncertainties of Temperature Measurements on Snow-Covered Land and Sea Ice from In Situ and MODIS Data during BROMEX. Journal of Applied Meteorology and Climatology, 2015, 54, 966-978.	1.5	16
23	Variability of bromine monoxide at Barrow, Alaska, over four halogen activation (Marchâ€“May) seasons and at two onâ€ice locations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1381-1396.	3.3	15
24	Iceberg topography and volume classification using TanDEM-X interferometry. Cryosphere, 2019, 13, 1861-1875.	3.9	14
25	Shortâ€Term Impacts of the Megaurbanizations of New Delhi and Los Angeles Between 2000 and 2009. Journal of Geophysical Research D: Atmospheres, 2019, 124, 35-56.	3.3	14
26	Wind Fields over the Great Lakes Measured by the SeaWinds Scatterometer on the QuikSCAT Satellite. Journal of Great Lakes Research, 2004, 30, 148-165.	1.9	13
27	L-Band Passive Microwave Data from SMOS for River Gauging Observations in Tropical Climates. Remote Sensing, 2019, 11, 835.	4.0	12
28	Preparation for the operational use of RADARSAT-2 for ice monitoring. Canadian Journal of Remote Sensing, 2004, 30, 415-423.	2.4	9
29	Remote Sensing of Antarctic Sea Ice with Coordinated Aircraft and Satellite Data Acquisitions. , 2018, , .		9
30	Transformative Urban Changes of Beijing in the Decade of the 2000s. Remote Sensing, 2020, 12, 652.	4.0	7
31	Urban Environments, Beijing Case Study. Encyclopedia of Earth Sciences Series, 2014, , 869-878.	0.1	7
32	The role of open lead interactions in atmospheric ozone variability between Arctic coastal and inland sites. Elementa, 2016, 4, .	3.2	6
33	Polar Sea Ice Thickness and Melt Pond Fraction Measurements with Multi-Frequency Bistatic Radar Polarimetric and Interferometric Reflectometry. , 2019, , .		4
34	Combining COSMO-SkyMed satellites data and numerical modeling for the dynamic management of artificial recharge basins. Journal of Hydrology, 2018, 567, 41-50.	5.4	3
35	Building Structure Mapping on Level Terrains and Sea Surfaces in Vietnam. Remote Sensing, 2021, 13, 2439.	4.0	2
36	Theory of radar polarimetric interferometry and its application to the retrieval of sea ice elevation in the Western Weddell Sea, Antarctic. Earth and Space Science, 0, , .	2.6	2

#	Article	IF	Citations
37	Extreme Development of Dragon Fruit Agriculture with Nighttime Lighting in Southern Vietnam. , 2022, , 553-571.		1
38	Polarimetric Characteristics for Sea-Ice Surface Topographic Derivation Using TanDEM-X Interferometry Data. , 2020, , .		0
39	Observations of Arctic Sea Ice Leads and Open Water During the Microbiological-Ocean-Cloud Coupling in the High Arctic Campaign. , 2020, , .		0