

# Kanniah, Kd

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,376  
citations

236925

25  
h-index

214800

47  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3460  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19's impact on the atmospheric environment in the Southeast Asia region. <i>Science of the Total Environment</i> , 2020, 736, 139658.	8.0	230
2	Modeling forest fire risk in the northeast of Iran using remote sensing and GIS techniques. <i>Natural Hazards</i> , 2013, 65, 1723-1743.	3.4	184
3	Control of atmospheric particles on diffuse radiation and terrestrial plant productivity. <i>Progress in Physical Geography</i> , 2012, 36, 209-237.	3.2	177
4	An introduction to the Australian and New Zealand flux tower network "OzFlux". <i>Biogeosciences</i> , 2016, 13, 5895-5916.	3.3	159
5	A review of remote sensing applications for oil palm studies. <i>Geo-Spatial Information Science</i> , 2017, 20, 184-200.	5.3	122
6	The International Soil Moisture Network: serving Earth system science for over a decade. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5749-5804.	4.9	116
7	Evaluation of Collections 4 and 5 of the MODIS Gross Primary Productivity product and algorithm improvement at a tropical savanna site in northern Australia. <i>Remote Sensing of Environment</i> , 2009, 113, 1808-1822.	11.0	100
8	Satellite Images for Monitoring Mangrove Cover Changes in a Fast Growing Economic Region in Southern Peninsular Malaysia. <i>Remote Sensing</i> , 2015, 7, 14360-14385.	4.0	95
9	Growing status observation for oil palm trees using Unmanned Aerial Vehicle (UAV) images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 173, 95-121.	11.1	91
10	Fire in Australian savannas: from leaf to landscape. <i>Global Change Biology</i> , 2015, 21, 62-81.	9.5	88
11	Exploring the link between clouds, radiation, and canopy productivity of tropical savannas. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 304-313.	4.8	69
12	Estimating Particulate Matter using satellite based aerosol optical depth and meteorological variables in Malaysia. <i>Atmospheric Research</i> , 2017, 193, 142-162.	4.1	68
13	Use of UK-DMC 2 and ALOS PALSAR for studying the age of oil palm trees in southern peninsular Malaysia. <i>International Journal of Remote Sensing</i> , 2013, 34, 7424-7446.	2.9	65
14	Parameterization of an ecosystem light-use-efficiency model for predicting savanna GPP using MODIS EVI. <i>Remote Sensing of Environment</i> , 2014, 154, 253-271.	11.0	56
15	SPECIAL Savanna Patterns of Energy and Carbon Integrated across the Landscape. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 1467-1485.	3.3	52
16	Quantifying green cover change for sustainable urban planning: A case of Kuala Lumpur, Malaysia. <i>Urban Forestry and Urban Greening</i> , 2017, 27, 287-304.	5.3	51
17	Environmental controls on the spatial variability of savanna productivity in the Northern Territory, Australia. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1429-1439.	4.8	49
18	Investigating aerosol properties in Peninsular Malaysia via the synergy of satellite remote sensing and ground-based measurements. <i>Atmospheric Research</i> , 2014, 138, 223-239.	4.1	37

#	ARTICLE	IF	CITATIONS
19	Recent snow cover variation in the Upper Indus Basin of Gilgit Baltistan, Hindukush Karakoram Himalaya. <i>Journal of Mountain Science</i> , 2019, 16, 296-308.	2.0	34
20	A review of remote sensing based productivity models and their suitability for studying oil palm productivity in tropical regions. <i>Progress in Physical Geography</i> , 2012, 36, 655-679.	3.2	32
21	Response of savanna gross primary productivity to interannual variability in rainfall. <i>Progress in Physical Geography</i> , 2013, 37, 642-663.	3.2	31
22	Overview of atmospheric aerosol studies in Malaysia: Known and unknown. <i>Atmospheric Research</i> , 2016, 182, 302-318.	4.1	31
23	Evaluation of MODIS gross primary productivity and land cover products for the humid tropics using oil palm trees in Peninsular Malaysia and Google Earth imagery. <i>International Journal of Remote Sensing</i> , 2013, 34, 7400-7423.	2.9	30
24	On the upstream inputs into the MODIS primary productivity products using biometric data from oil palm plantations. <i>International Journal of Remote Sensing</i> , 2014, 35, 2215-2246.	2.9	27
25	Mapping oil palm extent in Malaysia using ALOS-2 PALSAR-2 data. <i>International Journal of Remote Sensing</i> , 2018, 39, 432-452.	2.9	26
26	Aerosols and their influence on radiation partitioning and savanna productivity in northern Australia. <i>Theoretical and Applied Climatology</i> , 2010, 100, 423-438.	2.8	25
27	Non-Destructive, Laser-Based Individual Tree Aboveground Biomass Estimation in a Tropical Rainforest. <i>Forests</i> , 2017, 8, 86.	2.1	23
28	Towards global oil palm plantation mapping using remote-sensing data. <i>International Journal of Remote Sensing</i> , 2018, 39, 5891-5906.	2.9	23
29	Modelling static fire hazard in a semi-arid region using frequency analysis. <i>International Journal of Wildland Fire</i> , 2015, 24, 763.	2.4	22
30	Towards the development of a regional version of MOD17 for the determination of gross and net primary productivity of oil palm trees. <i>International Journal of Remote Sensing</i> , 2015, 36, 262-289.	2.9	21
31	Remote Sensing to Study Mangrove Fragmentation and Its Impacts on Leaf Area Index and Gross Primary Productivity in the South of Peninsular Malaysia. <i>Remote Sensing</i> , 2021, 13, 1427.	4.0	21
32	Evaluation of Machine Learning Models for Estimating PM2.5 Concentrations across Malaysia. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7326.	2.5	21
33	Mapping oil palm plantation expansion in Malaysia over the past decade (2007-2016) using ALOS-1/2 PALSAR-1/2 data. <i>International Journal of Remote Sensing</i> , 2019, 40, 7389-7408.	2.9	17
34	Synergy of Active and Passive Remote Sensing Data for Effective Mapping of Oil Palm Plantation in Malaysia. <i>Forests</i> , 2020, 11, 858.	2.1	17
35	Analysis of <i>in-situ</i> soil moisture data and validation of SMOS soil moisture products at selected agricultural sites over a tropical region. <i>International Journal of Remote Sensing</i> , 2016, 37, 3636-3654.	2.9	16
36	Calibration of SMOS Soil Moisture Retrieval Algorithm: A Case of Tropical Site in Malaysia. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3827-3839.	6.3	14

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37	Estimating and Up-Scaling Fuel Moisture and Leaf Dry Matter Content of a Temperate Humid Forest Using Multi Resolution Remote Sensing Data. <i>Remote Sensing</i> , 2016, 8, 961.	4.0	11
38	Land use and land cover change and its impact on river morphology in Johor River Basin, Malaysia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101072.	2.4	11
39	Assessment of biophysical properties of Royal Belum tropical forest, Malaysia. <i>Singapore Journal of Tropical Geography</i> , 2018, 39, 90-106.	0.9	10
40	Engaging indigenous people as geo-crowdsourcing sensors for ecotourism mapping via mobile data collection: a case study of the Royal Belum State Park. <i>Cartography and Geographic Information Science</i> , 2017, 44, 113-127.	3.0	6
41	Textural measures for estimating oil palm age. <i>International Journal of Remote Sensing</i> , 2019, 40, 7516-7537.	2.9	5
42	Evaluation of MODIS Gross Primary Productivity of tropical oil palm in southern Peninsular Malaysia. , 2011, , .		4
43	Estimating atmospheric humidity using MODIS cloud-free data in a temperate humid region. , 2013, , .		4
44	Remote sensing-based operational modeling of fuel ignitability in Hyrcanian mixed forest, Iran. <i>Natural Hazards</i> , 2021, 108, 253-283.	3.4	4
45	Satellite data for upscaling urban air pollution in Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 169, 012036.	0.3	3
46	Optical and radar remote sensing data for forest cover mapping in Peninsular Malaysia. <i>Singapore Journal of Tropical Geography</i> , 2019, 40, 272-290.	0.9	3
47	UK-DMC 2 satellite data for deriving biophysical parameters of oil palm trees in Malaysia. , 2012, , .		2
48	The potential of MODIS derived Photochemical Reflectance Index for studying gross primary productivity of oil palm trees. , 2013, , .		2
49	Google Earth Engine for Landsat Image Processing and Monitoring Land Use/Land Cover Changes in the Johor River Basin, Malaysia. , 2021, , .		2
50	Oil palm modelling in the global land surface model ORCHIDEE-MICT. <i>Geoscientific Model Development</i> , 2021, 14, 4573-4592.	3.6	1
51	Exploring the Link Between Ground Based PM <sub>2.5</sub> and Remotely Sensed Aerosols and Gases Data to Map Fine Particulate Matters in Malaysia Using Machine Learning Algorithms. , 2021, , .		1
52	Validation of AMSR-E soil moisture product and the future perspective of soil moisture estimation using SMOS data over tropical region. , 2013, , .		0
53	Spatio-temporal assessment of Aerosol Optical Depth from Himawari-8 satellite data over Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 540, 012053.	0.3	0
54	A study of the serious conflicts between oil palm expansion and biodiversity conservation using high-resolution remote sensing. <i>Remote Sensing Letters</i> , 2023, 14, 654-668.	1.4	0