

# Kanniah, Kd

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

1,632  
citations

22  
h-index

40  
g-index

59  
ext. papers

2,023  
ext. citations

4.4  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
53	Land use and land cover change and its impact on river morphology in Johor River Basin, Malaysia. <i>Journal of Hydrology: Regional Studies</i> , <b>2022</b> , 41, 101072	3.6	2
52	The International Soil Moisture Network: serving Earth system science for over a decade. <i>Hydrology and Earth System Sciences</i> , <b>2021</b> , 25, 5749-5804	5.5	22
51	Remote sensing-based operational modeling of fuel ignitability in Hyrcanian mixed forest, Iran. <i>Natural Hazards</i> , <b>2021</b> , 108, 253-283	3	0
50	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> , <b>2021</b> , 13, 1427	5	8
49	Growing status observation for oil palm trees using Unmanned Aerial Vehicle (UAV) images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2021</b> , 173, 95-121	11.8	32
48	Oil palm modelling in the global land surface model ORCHIDEE-MICT. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 4573-4592	6.3	
47	Evaluation of Machine Learning Models for Estimating PM2.5 Concentrations across Malaysia. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7326	2.6	5
46	Spatio-temporal assessment of Aerosol Optical Depth from Himawari-8 satellite data over Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 540, 012053	0.3	
45	COVID-19's impact on the atmospheric environment in the Southeast Asia region. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139658	10.2	153
44	Synergy of Active and Passive Remote Sensing Data for Effective Mapping of Oil Palm Plantation in Malaysia. <i>Forests</i> , <b>2020</b> , 11, 858	2.8	7
43	Optical and radar remote sensing data for forest cover mapping in Peninsular Malaysia. <i>Singapore Journal of Tropical Geography</i> , <b>2019</b> , 40, 272-290	1.5	2
42	Calibration of SMOS Soil Moisture Retrieval Algorithm: A Case of Tropical Site in Malaysia. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 3827-3839	8.1	6
41	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> , <b>2019</b> , 40, 7389-7408	3.1	11
40	Recent snow cover variation in the Upper Indus Basin of Gilgit Baltistan, Hindukush Karakoram Himalaya. <i>Journal of Mountain Science</i> , <b>2019</b> , 16, 296-308	2.1	17
39	Textural measures for estimating oil palm age. <i>International Journal of Remote Sensing</i> , <b>2019</b> , 40, 7516-7537	3.3	3
38	Assessment of biophysical properties of Royal Belum tropical forest, Malaysia. <i>Singapore Journal of Tropical Geography</i> , <b>2018</b> , 39, 90-106	1.5	5
37	Mapping oil palm extent in Malaysia using ALOS-2 PALSAR-2 data. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 432-452	3.1	23

36	Towards global oil palm plantation mapping using remote-sensing data. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 5891-5906	3.1	14
35	Satellite data for upscaling urban air pollution in Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 169, 012036	0.3	2
34	Tropical Savanna Ecosystems <b>2017</b> , 1-10		1
33	Estimating Particulate Matter using satellite based aerosol optical depth and meteorological variables in Malaysia. <i>Atmospheric Research</i> , <b>2017</b> , 193, 142-162	5.4	47
32	Quantifying green cover change for sustainable urban planning: A case of Kuala Lumpur, Malaysia. <i>Urban Forestry and Urban Greening</i> , <b>2017</b> , 27, 287-304	5.4	30
31	Non-Destructive, Laser-Based Individual Tree Aboveground Biomass Estimation in a Tropical Rainforest. <i>Forests</i> , <b>2017</b> , 8, 86	2.8	17
30	A review of remote sensing applications for oil palm studies. <i>Geo-Spatial Information Science</i> , <b>2017</b> , 20, 184-200	3.5	77
29	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> , <b>2017</b> , 44, 113-127	2.1	5
28	Analysis of in-situ 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> , <b>2016</b> , 37, 3636-3654	3.1	12
27	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> , <b>2016</b> , 8, 961	5	8
26	An introduction to the Australian and New Zealand flux tower network IDzFlux. <i>Biogeosciences</i> , <b>2016</b> , 13, 5895-5916	4.6	119
25	Overview of atmospheric aerosol studies in Malaysia: Known and unknown. <i>Atmospheric Research</i> , <b>2016</b> , 182, 302-318	5.4	21
24	Modelling static fire hazard in a semi-arid region using frequency analysis. <i>International Journal of Wildland Fire</i> , <b>2015</b> , 24, 763	3.2	18
23	Fire in Australian savannas: from leaf to landscape. <i>Global Change Biology</i> , <b>2015</b> , 21, 62-81	11.4	74
22	Satellite Images for Monitoring Mangrove Cover Changes in a Fast Growing Economic Region in Southern Peninsular Malaysia. <i>Remote Sensing</i> , <b>2015</b> , 7, 14360-14385	5	75
21	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> , <b>2015</b> , 36, 262-289	3.1	18
20	Investigating aerosol properties in Peninsular Malaysia via the synergy of satellite remote sensing and ground-based measurements. <i>Atmospheric Research</i> , <b>2014</b> , 138, 223-239	5.4	34
19	On the upstream inputs into the MODIS primary productivity products using biometric data from oil palm plantations. <i>International Journal of Remote Sensing</i> , <b>2014</b> , 35, 2215-2246	3.1	15

18	Parameterization of an ecosystem light-use-efficiency model for predicting savanna GPP using MODIS EVI. <i>Remote Sensing of Environment</i> , <b>2014</b> , 154, 253-271	13.2	45
17	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> , <b>2013</b> , 34, 7400-7423	3.1	27
16	Exploring the link between clouds, radiation, and canopy productivity of tropical savannas. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 182-183, 304-313	5.8	54
15	Modeling forest fire risk in the northeast of Iran using remote sensing and GIS techniques. <i>Natural Hazards</i> , <b>2013</b> , 65, 1723-1743	3	112
14	Response of savanna gross primary productivity to interannual variability in rainfall: Results of a remote sensing based light use efficiency model. <i>Progress in Physical Geography</i> , <b>2013</b> , 37, 642-663	3.5	30
13	Estimating atmospheric humidity using MODIS cloud-free data in a temperate humid region <b>2013</b> ,		3
12	<b>2013</b> ,		1
11	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> , <b>2013</b> , 34, 7424-7446	3.1	58
10	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> , <b>2012</b> , 36, 655-679	3.5	22
9	UK-DMC 2 satellite data for deriving biophysical parameters of oil palm trees in Malaysia <b>2012</b> ,		2
8	Control of atmospheric particles on diffuse radiation and terrestrial plant productivity: A review. <i>Progress in Physical Geography</i> , <b>2012</b> , 36, 209-237	3.5	133
7	Environmental controls on the spatial variability of savanna productivity in the Northern Territory, Australia. <i>Agricultural and Forest Meteorology</i> , <b>2011</b> , 151, 1429-1439	5.8	43
6	Evaluation of MODIS Gross Primary Productivity of tropical oil palm in southern Peninsular Malaysia <b>2011</b> ,		4
5	SPECIAL Savanna Patterns of Energy and Carbon Integrated across the Landscape. <i>Bulletin of the American Meteorological Society</i> , <b>2011</b> , 92, 1467-1485	6.1	48
4	Aerosols and their influence on radiation partitioning and savanna productivity in northern Australia. <i>Theoretical and Applied Climatology</i> , <b>2010</b> , 100, 423-438	3	20
3	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> , <b>2009</b> , 113, 1808-1822	13.2	89
2	An introduction to the Australian and New Zealand flux tower network IDzFlux		8
1	A study of the serious conflicts between oil palm expansion and biodiversity conservation using high-resolution remote sensing. <i>Remote Sensing Letters</i> , 1-15	2.3	

