

# Photon recollision probability in modelling the radiatio

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Analyses of Impact of Needle Surface Properties on Estimation of Needle Absorption Spectrum: Case Study with Coniferous Needle and Shoot Samples. Remote Sensing, 2016, 8, 563.	1.8	58
2	The spectral invariant approximation within canopy radiative transfer to support the use of the EPIC/DSCOVER oxygen B-band for monitoring vegetation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 191, 7-12.	1.1	24
3	Estimation of leaf area index and its sunlit portion from DSCOVER EPIC data: Theoretical basis. Remote Sensing of Environment, 2017, 198, 69-84.	4.6	48
4	Total canopy transmittance estimated from small-footprint, full-waveform airborne LiDAR. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 61-72.	4.9	29
5	Forest canopy structure and reflectance in humid tropical Borneo: A physically-based interpretation using spectral invariants. Remote Sensing of Environment, 2017, 201, 314-330.	4.6	16
6	PLC-P: A canopy reflectance model for sloping terrain based on path length correction and P-theory. , 2017, , .		0
7	Generating Global Products of LAI and FPAR From SNPP-VIIRS Data: Theoretical Background and Implementation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2119-2137.	2.7	71
8	Canopy Radiative Transfer Modeling. , 2018, , 9-22.		11
9	Spectral Invariant Provides a Practical Modeling Approach for Future Biophysical Variable Estimations. Remote Sensing, 2018, 10, 1508.	1.8	17
10	Application of Photon Recollision Probability Theory for Compatibility Check Between Foliage Clumping and Leaf Area Index Products Obtained from Earth Observation Data. , 2018, , .		0
11	Earth Observations from DSCOVER EPIC Instrument. Bulletin of the American Meteorological Society, 2018, 99, 1829-1850.	1.7	108
12	An Interplay between Photons, Canopy Structure, and Recollision Probability: A Review of the Spectral Invariants Theory of 3D Canopy Radiative Transfer Processes. Remote Sensing, 2018, 10, 1805.	1.8	12
13	Contribution of leaf specular reflection to canopy reflectance under black soil case using stochastic radiative transfer model. Agricultural and Forest Meteorology, 2018, 263, 477-482.	1.9	8
14	Data synergy between leaf area index and clumping index Earth Observation products using photon recollision probability theory. Remote Sensing of Environment, 2018, 215, 1-6.	4.6	9
15	Spectral Properties of Coniferous Forests: A Review of In Situ and Laboratory Measurements. Remote Sensing, 2018, 10, 207.	1.8	86
16	A New Directional Canopy Emissivity Model Based on Spectral Invariants. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6911-6926.	2.7	26
17	A study on the drivers of canopy reflectance variability in a boreal forest. Remote Sensing Letters, 2018, 9, 666-675.	0.6	6
18	Downscaling of solar-induced chlorophyll fluorescence from canopy level to photosystem level using a random forest model. Remote Sensing of Environment, 2019, 231, 110772.	4.6	109

#	ARTICLE	IF	CITATIONS
19	A review of earth surface thermal radiation directionality observing and modeling: Historical development, current status and perspectives. <i>Remote Sensing of Environment</i> , 2019, 232, 111304.	4.6	91
20	A practical approach for estimating the escape ratio of near-infrared solar-induced chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2019, 232, 111209.	4.6	213
21	Evaluation of leaf-level optical properties employed in land surface models. <i>Geoscientific Model Development</i> , 2019, 12, 3923-3938.	1.3	11
22	What is global photosynthesis? History, uncertainties and opportunities. <i>Remote Sensing of Environment</i> , 2019, 223, 95-114.	4.6	266
23	Assessing the variability and uncertainty of two-flux FAPAR measurements in a conifer-dominated forest. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 149-163.	1.9	12
24	Scattering Effect Contributions to the Directional Canopy Emissivity and Brightness Temperature Based on CE-P and CBT-P Models. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 957-961.	1.4	9
25	Data-Driven Methods for the Estimation of Leaf Water and Dry Matter Content: Performances, Potential and Limitations. <i>Sensors</i> , 2020, 20, 5394.	2.1	3
26	Comparison of total emitted solar-induced chlorophyll fluorescence (SIF) and top-of-canopy (TOC) SIF in estimating photosynthesis. <i>Remote Sensing of Environment</i> , 2020, 251, 112083.	4.6	45
27	Simulation-Based Evaluation of the Estimation Methods of Far-Red Solar-Induced Chlorophyll Fluorescence Escape Probability in Discontinuous Forest Canopies. <i>Remote Sensing</i> , 2020, 12, 3962.	1.8	6
28	Empirical validation of photon recollision probability in single crowns of tree seedlings. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 169, 57-72.	4.9	7
29	Direct estimation of photon recollision probability using terrestrial laser scanning. <i>Remote Sensing of Environment</i> , 2020, 247, 111932.	4.6	5
30	A radiative transfer model for solar induced fluorescence using spectral invariants theory. <i>Remote Sensing of Environment</i> , 2020, 240, 111678.	4.6	29
31	Fluorescence Correction Vegetation Index (FCVI): A physically based reflectance index to separate physiological and non-physiological information in far-red sun-induced chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2020, 240, 111676.	4.6	78
32	Quantifying leaf optical properties with spectral invariants theory. <i>Remote Sensing of Environment</i> , 2021, 253, 112131.	4.6	17
33	Effect of small-scale snow surface roughness on snow albedo and reflectance. <i>Cryosphere</i> , 2021, 15, 793-820.	1.5	15
34	A Bibliometric Visualization Review of the MODIS LAI/FPAR Products from 1995 to 2020. <i>Journal of Remote Sensing</i> , 2021, 2021, .	3.2	14
35	The effect of snow at forest floor on boreal forest albedo diurnal and seasonal variation during the melting season. <i>Cold Regions Science and Technology</i> , 2021, 185, 103249.	1.6	3
36	Vegetation Angular Signatures of Equatorial Forests From DSCOVR EPIC and Terra MISR Observations. <i>Frontiers in Remote Sensing</i> , 2021, 2, .	1.3	2

#	ARTICLE	IF	CITATIONS
37	Assessment of a photon recollision probability based forest reflectance model in European boreal and temperate forests. <i>Remote Sensing of Environment</i> , 2022, 269, 112804.	4.6	9
38	Airborne Measurements of Surface Albedo and Leaf Area Index of Snow-Covered Boreal Forest. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	6
39	Assessing the Potential of Downscaled Far Red Solar-Induced Chlorophyll Fluorescence from the Canopy to Leaf Level for Drought Monitoring in Winter Wheat. <i>Remote Sensing</i> , 2022, 14, 1357.	1.8	4
40	Spectral invariants in ultra-high spatial resolution hyperspectral images. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 288, 108265.	1.1	3
41	Calibration of Co-Located Identical PAR Sensors Using Wireless Sensor Networks and Characterization of the In Situ fPAR Variability in a Tropical Dry Forest. <i>Remote Sensing</i> , 2022, 14, 2752.	1.8	0
43	Simulation of solar-induced chlorophyll fluorescence in a heterogeneous forest using 3-D radiative transfer modelling and airborne LiDAR. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 191, 1-17.	4.9	7
44	Editorial: DSCOVR EPIC/NISTAR: 5 Years of Observing Earth From the First Lagrangian Point. <i>Frontiers in Remote Sensing</i> , 0, 3, .	1.3	1
45	Improving the estimation of canopy structure using spectral invariants: Theoretical basis and validation. <i>Remote Sensing of Environment</i> , 2023, 284, 113368.	4.6	3
46	First validation of Earth Reflector Type Index (p) parameter from DSCOVR EPIC VESDR data product using Terrestrial Ecosystem Research Network observing sites in Australia. <i>Remote Sensing of Environment</i> , 2023, 288, 113511.	4.6	1
47	Evaluation of reflectance and canopy scattering coefficient based vegetation indices to reduce the impacts of canopy structure and soil in estimating leaf and canopy chlorophyll contents. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, , 1-1.	2.7	1
51	Applications and Challenges Related to the Use of Unmanned Aircraft Systems in Environment Monitoring. , 2024, , 97-114.		0