Christian C Nansen

List of Publications by Year
in descending order

77 papers	1,505 citations	293460 24 h-index	466096 32 g-index
77 all docs	77 docs citations	77 times ranked	1523 citing authors

#	Article	IF	Citations
1	An Interactive Teaching Tool Describing Resistance Evolution and Basic Economics of Insecticide-Based Pest Management. Insects, 2022, 13, 169.	1.0	0
2	Experimental data manipulations to assess performance of hyperspectral classification models of crop seeds and other objects. Plant Methods, 2022, 18, .	1.9	4
3	Early infestations by arthropod pests induce unique changes in plant compositional traits and leaf reflectance. Pest Management Science, 2021, 77, 5158-5169.	1.7	5
4	Phone App to Perform Quality Control of Pesticide Spray Applications in Field Crops. Agriculture (Switzerland), 2021, 11, 916.	1.4	4
5	Night-based hyperspectral imaging to study association of horticultural crop leaf reflectance and nutrient status. Computers and Electronics in Agriculture, 2020, 173, 105458.	3.7	14
6	Hyperspectral remote sensing to detect leafminerâ€induced stress in bok choy and spinach according to fertilizer regime and timing. Pest Management Science, 2020, 76, 2208-2216.	1.7	13
7	Insect-Based Bioconversion: Value from Food Waste. , 2020, , 321-346.		36
8	Root-associated entomopathogenic fungi manipulate host plants to attract herbivorous insects. Scientific Reports, 2020, 10, 22424.	1.6	15
9	Optimised dispensing of predatory mites by multirotor UAVs in wind: A distribution pattern modelling approach for precision pest management. Biosystems Engineering, 2019, 187, 226-238.	1.9	18
10	Proximal remote sensing to differentiate nonviruliferous and viruliferous insect vectors â€“ proof of concept and importance of input data robustness. Plant Pathology, 2019, 68, 746-754.	1.2	9
11	Artificial selection of insects to bioconvert pre-consumer organic wastes. A review. Agronomy for Sustainable Development, 2019, 39, 1.	2.2	8
12	An integrated analysis of hyperspectral and morphological data of cicada ovipositors revealed unexplored links to specific oviposition hosts. Zoomorphology, 2019, 138, 265-276.	0.4	4
13	Edge-biased distributions of insects. A review. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	49
14	Proximal Remote Sensing to Non-destructively Detect and Diagnose Physiological Responses by Host Insect Larvae to Parasitism. Frontiers in Physiology, 2018, 9, 1716.	1.3	3
15	Penetration and scatteringâ€”Two optical phenomena to consider when applying proximal remote sensing technologies to object classifications. PLoS ONE, 2018, 13, e0204579.	1.1	7
16	Hyperspectral imaging to characterize plantâ€“plant communication in response to insect herbivory. Plant Methods, 2018, 14, 54.	1.9	22
17	Reflectance-based determination of age and species of blowfly puparia. International Journal of Legal Medicine, 2017, 131, 263-274.	1.2	37
18	Use of banker plant system for sustainable management of the most important insect pest in rice fields in China. Scientific Reports, 2017, 7, 45581.	1.6	28

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19	Advanced calibration to improve robustness of drone-acquired hyperspectral remote sensing data. , 2017, , .		6
20	Hyperspectral Technologies for Assessing Seed Germination and Trifloxysulfuron-methyl Response in Amaranthus palmeri (Palmer Amaranth). Frontiers in Plant Science, 2017, 8, 474.	1.7	29
21	Using proximal remote sensing in non-invasive phenotyping of invertebrates. PLoS ONE, 2017, 12, e0176392.	1.1	5
22	Behavioral Avoidance - Will Physiological Insecticide Resistance Level of Insect Strains Affect Their Oviposition and Movement Responses?. PLoS ONE, 2016, 11, e0149994.	1.1	30
23	Integrative insect taxonomy based on morphology, mitochondrial DNA, and hyperspectral reflectance profiling. Zoological Journal of the Linnean Society, 2016, 177, 378-394.	1.0	27
24	The potential and prospects of proximal remote sensing of arthropod pests. Pest Management Science, 2016, 72, 653-659.	1.7	22
25	Spatially-Optimized Sequential Sampling Plan for Cabbage AphidsBrevicoryne brassicaeL. (Hemiptera: Aphididae) in Canola Fields. Journal of Economic Entomology, 2016, 109, 1929-1935.	0.8	13
26	Does Drought Increase the Risk of Insects Developing Behavioral Resistance to Systemic Insecticides?. Journal of Economic Entomology, 2016, 109, 2027-2031.	0.8	10
27	Unmanned aerial vehicle canopy reflectance data detects potassium deficiency and green peach aphid susceptibility in canola. Precision Agriculture, 2016, 17, 659-677.	3.1	61
28	Using hyperspectral imaging to characterize consistency of coffee brands and their respective roasting classes. Journal of Food Engineering, 2016, 190, 34-39.	2.7	30
29	Remote Sensing and Reflectance Profiling in Entomology. Annual Review of Entomology, 2016, 61, 139-158.	5.7	63
30	Importance of Spatial and Spectral Data Reduction in the Detection of Internal Defects in Food Products. Applied Spectroscopy, 2015, 69, 473-480.	1.2	19
31	How Do â€œMuteâ€•Cicadas Produce Their Calling Songs?. PLoS ONE, 2015, 10, e0118554.	1.1	9
32	Nonrandom Distribution of Cabbage Aphids (Hemiptera: Aphididae) in Dryland Canola (Brassicales:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	16
33	Increased Susceptibility to Aphids of Flowering Wheat Plants Exposed to Low Temperatures. Environmental Entomology, 2015, 44, 610-618.	0.7	17
34	Optimizing pesticide spray coverage using a novel web and smartphone tool, SnapCard. Agronomy for Sustainable Development, 2015, 35, 1075-1085.	2.2	44
35	Development of â€œbest practicesâ€•for sampling of an important surface-dwelling soil mite in pastoral landscapes. Experimental and Applied Acarology, 2015, 66, 399-414.	0.7	2
36	Using hyperspectral imaging to determine germination of native Australian plant seeds. Journal of Photochemistry and Photobiology B: Biology, 2015, 145, 19-24.	1.7	40

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37	Detection of Temporal Changes in Insect Body Reflectance in Response to Killing Agents. PLoS ONE, 2015, 10, e0124866.	1.1	18
38	Reflectance-based identification of parasitized host eggs and adult Trichogramma specimens. Journal of Experimental Biology, 2014, 217, 1187-92.	0.8	25
39	Geographical variation of <scp>P</scp>lutella xylostella (<scp>L</scp>epidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 <scp>C</scp>hina. Journal of Applied Entomology, 2014, 138, 692-700.	0.8	11
40	Spider mite infestations reduce Bacillus thuringiensis toxin concentration in corn leaves and predators avoid spider mites that have fed on Bacillus thuringiensis corn. Annals of Applied Biology, 2014, 165, 108-116.	1.3	12
41	Estimating effect of augmentative biological control on grain yields from individual pearl millet heads. Journal of Applied Entomology, 2014, 138, 281-288.	0.8	23
42	Journal impact factors and the influence of age and number of citations. Molecular Plant Pathology, 2014, 15, 223-225.	2.0	3
43	Use of neighborhood unhomogeneity to detect the edge of hyperspectral spatial stray light region. Optik, 2014, 125, 3009-3012.	1.4	5
44	Use of variogram analysis to classify field peas with and without internal defects caused by weevil infestation. Journal of Food Engineering, 2014, 123, 17-22.	2.7	25
45	Almond moth oviposition patterns in continuous layers of peanuts. Journal of Stored Products Research, 2014, 59, 48-54.	1.2	11
46	Smart-use of fertilizers to manage spider mites (Acari: Tetrachynidae) and other arthropod pests. Plant Science Today, 2014, 1, 161-164.	0.4	6
47	Reflectance-based assessment of spider mite â€œbio-responseâ€•to maize leaves and plant potassium content in different irrigation regimes. Computers and Electronics in Agriculture, 2013, 97, 21-26.	3.7	22
48	Use of local fuzzy variance to extract the scattered regions of spatial stray light influence in hyperspectral images. Optik, 2013, 124, 6696-6699.	1.4	2
49	Positive association between thrips and spider mites in seedling cotton. Agricultural and Forest Entomology, 2013, 15, 197-203.	0.7	6
50	Agricultural Case Studies of Classification Accuracy, Spectral Resolution, and Model Over-Fitting. Applied Spectroscopy, 2013, 67, 1332-1338.	1.2	30
51	Sampling and interpretation of psyllid nymph counts in potatoes. Entomologia Experimentalis Et Applicata, 2012, 143, 103-110.	0.7	15
52	Use of Variogram Parameters in Analysis of Hyperspectral Imaging Data Acquired from Dual-Stressed Crop Leaves. Remote Sensing, 2012, 4, 180-193.	1.8	20
53	Quantitative impact assessment of spray coverage and pest behavior on contact pesticide performance. Pest Management Science, 2012, 68, 1471-1477.	1.7	33
54	Robustness of analyses of imaging data. Optics Express, 2011, 19, 15173.	1.7	15

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55	Use of weighting algorithms to improve traditional support vector machine based classifications of reflectance data. Optics Express, 2011, 19, 26816.	1.7	26
56	A Decision-Support Tool to Predict Spray Deposition of Insecticides in Commercial Potato Fields and Its Implications for Their Performance. Journal of Economic Entomology, 2011, 104, 1138-1145.	0.8	11
57	Using Spatial Structure Analysis of Hyperspectral Imaging Data and Fourier Transformed Infrared Analysis to Determine Bioactivity of Surface Pesticide Treatment. Remote Sensing, 2010, 2, 908-925.	1.8	14
58	Novel Approaches to Application and Performance Assessment of Insecticide Applications to Crop Leaves. Journal of Economic Entomology, 2010, 103, 219-227.	0.8	12
59	Variogram Analysis of Hyperspectral Data to Characterize the Impact of Biotic and Abiotic Stress of Maize Plants and to Estimate Biofuel Potential. Applied Spectroscopy, 2010, 64, 627-636.	1.2	30
60	Use of spatial structure analysis of hyperspectral data cubes for detection of insectâ€induced stress in wheat plants. International Journal of Remote Sensing, 2009, 30, 2447-2464.	1.3	36
61	Considerations Regarding the Use of Hyperspectral Imaging Data in Classifications of Food Products, Exemplified by Analysis of Maize Kernels. Journal of Agricultural and Food Chemistry, 2008, 56, 2933-2938.	2.4	29
62	A Binomial and Species-Independent Approach to Trap Capture Analysis of Flying Insects. Journal of Economic Entomology, 2008, 101, 1719-1728.	0.8	16
63	Ovipositional Response of Indianmeal Moth (Lepidoptera: Pyralidae) to Size, Quality, and Number of Food Patches. Annals of the Entomological Society of America, 2006, 99, 253-260.	1.3	6
64	Within-field spatial distribution of Cephus cinctus (Hymenoptera: Cephidae) larvae in Montana wheat fields. Canadian Entomologist, 2005, 137, 202-214.	0.4	25
65	Preharvest sampling plan for larvae of the wheat stem sawfly, Cephus cinctus (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Over	0.4	14
66	Spatiotemporal distributions of wheat stem sawfly eggs and larvae in dryland wheat fields. Canadian Entomologist, 2005, 137, 428-440.	0.4	17
67	Nonagricultural Hosts of <I>Prostephanus truncatus</I> (Coleoptera: Bostrichidae) in a West African Forest. Annals of the Entomological Society of America, 2004, 97, 481-491.	1.3	28
68	Analysis of the insect community in a stored-maize facility. Ecological Research, 2004, 19, 197-207.	0.7	27
69	Effects of Height and Adjacent Surfaces on Captures of Indianmeal Moth (Lepidoptera: Pyralidae) in Pheromone-Baited Traps. Journal of Economic Entomology, 2004, 97, 1284-1290.	0.8	24
70	The Impact of Spatial Structure on the Accuracy of Contour Maps of Small Data Sets. Journal of Economic Entomology, 2003, 96, 1617-1625.	0.8	49
71	The Impact of Spatial Structure on the Accuracy of Contour Maps of Small Data Sets. Journal of Economic Entomology, 2003, 96, 1617-1625.	0.8	28
72	Spatial Analysis of <I>Prostephanus truncatus</I> (Bostrichidae: Coleoptera) Flight Activity Near Maize Stores and in Different Forest Types in southern Benin, West Africa. Annals of the Entomological Society of America, 2002, 95, 66-74.	1.3	20

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73	The Biology of the Larger Grain Borer, Prostephanus truncatus (Horn) (Coleoptera: Bostrichidae). Integrated Pest Management Reviews, 2002, 7, 91-104.	0.1	30
74	Ultrastructure of Bacteriomes and Their Sensitivity to Ambient Temperatures in Prostephanus truncatus (Horn). Biocontrol Science and Technology, 2001, 11, 217-232.	0.5	6
75	Successional sequence of forest types in a disturbed dry forest reserve in southern Benin, West Africa. Journal of Tropical Ecology, 2001, 17, 525-539.	0.5	14
76	Sensitivity ofProstephanus truncatus(Coleoptera: Bostrichidae) Flight Activity to Environmental Variables in Benin, West Africa. Environmental Entomology, 2001, 30, 1135-1143.	0.7	30
77	The Performance of Insecticides â€“ A Critical Review. , 0, , .		12