Jean Thioulouse

List of Publications by Year
in descending order

106	7,447	94433 37	56724 83
papers	citations	h-index	g-index

109	109	109	10361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ADE-4: a multivariate analysis and graphical display software. Statistics and Computing, 1997, 7, 75-83.	1.5	1,339
2	Relationships between Staphylococcus aureus Genetic Background, Virulence Factors, agr Groups (Alleles), and Human Disease. Infection and Immunity, 2002, 70, 631-641.	2.2	1,003
3	CO-INERTIA ANALYSIS AND THE LINKING OF ECOLOGICAL DATA TABLES. Ecology, 2003, 84, 3078-3089.	3.2	507
4	Community ecology in the age of multivariate multiscale spatial analysis. Ecological Monographs, 2012, 82, 257-275.	5.4	506
5	MADE4: an R package for multivariate analysis of gene expression data. Bioinformatics, 2005, 21, 2789-2790.	4.1	364
6	Biogeographical patterns of soil molecular microbial biomass as influenced by soil characteristics and management. Global Ecology and Biogeography, 2011, 20, 641-652.	5.8	209
7	Multivariate Analysis of Ecological Data with ade4. , 2018, , .		206
8	Turnover of soil bacterial diversity driven by wide-scale environmental heterogeneity. Nature Communications, 2013, 4, 1434.	12.8	199
9	Interactive Multivariate Data Analysis inRwith theade4andade4TkGUIPackages. Journal of Statistical Software, 2007, 22, .	3.7	151
10	Use and misuse of correspondence analysis in codon usage studies. Nucleic Acids Research, 2002, 30, 4548-4555.	14.5	136
11	A mathematical method for determining genome divergence and species delineation using AFLP.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 573-586.	1.7	129
12	The mycorrhizal fungus Glomus intraradices and rock phosphate amendment influence plant growth and microbial activity in the rhizosphere of Acacia holosericea. Soil Biology and Biochemistry, 2005, 37, 1460-1468.	8.8	124
13	Multivariate analysis of spatial patterns: a unified approach to local and global structures. Environmental and Ecological Statistics, 1995, 2, 1-14.	3.5	121
14	Potential of a 16S rRNA-Based Taxonomic Microarray for Analyzing the Rhizosphere Effects of Maize on Agrobacterium spp. and Bacterial Communities. Applied and Environmental Microbiology, 2006, 72, 4302-4312.	3.1	111
15	Online synonymous codon usage analyses with the ade4 and seqinR packages. Bioinformatics, 2005, 21, 545-547.	4.1	104
16	A soil microscale study to reveal the heterogeneity of Hg(II) impact on indigenous bacteria by quantification of adapted phenotypes and analysis of community DNA fingerprints. FEMS Microbiology Ecology, 2000, 31, 107-115.	2.7	102
17	SIMULTANEOUS ANALYSIS OF A SEQUENCE OF PAIRED ECOLOGICAL TABLES. Ecology, 2004, 85, 272-283.	3.2	85
18	Multivariate analysis of the spatial patterns of 8 trace elements using the French soil monitoring network data. Science of the Total Environment, 2009, 407, 5644-5652.	8.0	84

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19	Biogeographical patterns of soil bacterial communities. Environmental Microbiology Reports, 2009, 1, 251-255.	2.4	70
20	Impact of Wheat/Faba Bean Mixed Cropping or Rotation Systems on Soil Microbial Functionalities. Frontiers in Plant Science, 2016, 7, 1364.	3.6	67
21	Identification of Genomic Species in Agrobacterium Biovar 1 by AFLP Genomic Markers. Applied and Environmental Microbiology, 2006, 72, 7123-7131.	3.1	66
22	Biogeography of soil microbial communities: a review and a description of the ongoing french national initiative. Agronomy for Sustainable Development, 2010, 30, 359-365.	5.3	65
23	Relationship between Spatial and Genetic Distance in Agrobacterium spp. in 1 Cubic Centimeter of Soil. Applied and Environmental Microbiology, 2003, 69, 1482-1487.	3.1	60
24	Simultaneous analysis of a sequence of paired ecological tables: A comparison of several methods. Annals of Applied Statistics, 2011, 5, .	1.1	60
25	Rhizosphere microbiota interfers with plant-plant interactions. Plant and Soil, 2009, 321, 259-278.	3.7	58
26	Fluorescent pseudomonads occuring in Macrotermes subhyalinus mound structures decrease Cd toxicity and improve its accumulation in sorghum plants. Science of the Total Environment, 2006, 370, 391-400.	8.0	52
27	The diet of feral cats (Felis catus L.) at five sites on the Grande Terre, Kerguelen archipelago. Polar Biology, 2002, 25, 833-837.	1.2	50
28	A Method for Reciprocal Scaling of Species Tolerance and Sample Diversity. Ecology, 1992, 73, 670-680.	3.2	48
29	Bacterial taxa associated with the hematophagous mite Dermanyssus gallinae detected by 16S rRNA PCR amplification and TTGE fingerprinting. Research in Microbiology, 2009, 160, 63-70.	2.1	48
30	Potentialities of ecological engineering strategy based on native arbuscular mycorrhizal community for improving afforestation programs with carob trees in degraded environments. Ecological Engineering, 2015, 79, 113-119.	3.6	48
31	Use of correspondence discriminant analysis to predict the subcellular location of bacterial proteins. Computer Methods and Programs in Biomedicine, 2003, 70, 99-105.	4.7	45
32	Nurse shrubs increased the early growth of Cupressus seedlings by enhancing belowground mutualism and soil microbial activity. Soil Biology and Biochemistry, 2011, 43, 2160-2160.	8.8	44
33	Relationships between abiotic and biotic soil properties during fallow periods in the sudanian zone of Senegal. Applied Soil Ecology, 2000, 14, 89-101.	4.3	43
34	Improvement of Cupressus atlantica Gaussen growth by inoculation with native arbuscular mycorrhizal fungi. Journal of Applied Microbiology, 2007, 103, 683-690.	3.1	43
35	Soil functional diversity and P solubilization from rock phosphate after inoculation with native or allochtonous arbuscular mycorrhizal fungi. Forest Ecology and Management, 2007, 241, 200-208.	3.2	42
36	Interactions between ectomycorrhizal symbiosis and fluorescent pseudomonads on Acacia holosericea: isolation of mycorrhiza helper bacteria (MHB) from a Soudano-Sahelian soil. FEMS Microbiology Ecology, 2002, 41, 37-46.	2.7	41

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37	Procrustean co-inertia analysis for the linking of multivariate datasets. Ecoscience, 2003, 10, 110-119.	1.4	41
38	The exotic legume tree species, Acacia mearnsii, alters microbial soil functionalities and the early development of a native tree species, Quercus suber, in North Africa. Soil Biology and Biochemistry, 2013, 65, 172-179.	8.8	41
39	adegraphics: An S4 Lattice-Based Package for the Representation of Multivariate Data. R Journal, 2017, 9, 198.	1.8	41
40	Arbuscular mycorrhizal symbiosis can counterbalance the negative influence of the exotic tree species Eucalyptus camaldulensis on the structure and functioning of soil microbial communities in a sahelian soil. FEMS Microbiology Ecology, 2007, 62, 32-44.	2.7	38
41	Impact of Currently Marketed Tampons and Menstrual Cups on Staphylococcus aureus Growth and Toxic Shock Syndrome Toxin 1 Production In Vitro. Applied and Environmental Microbiology, 2018, 84, .	3.1	37
42	Ectomycorrhizal diversity enhances growth and nitrogen fixation of Acacia mangium seedlings. Soil Biology and Biochemistry, 2013, 57, 468-476.	8.8	36
43	A phylogenomic analysis of bacterial helixâ€“turnâ€“helix transcription factors. FEMS Microbiology Reviews, 2009, 33, 411-429.	8.6	35
44	Similar Processes but Different Environmental Filters for Soil Bacterial and Fungal Community Composition Turnover on a Broad Spatial Scale. PLoS ONE, 2014, 9, e111667.	2.5	35
45	The Exotic Legume Tree Species Acacia holosericea Alters Microbial Soil Functionalities and the Structure of the Arbuscular Mycorrhizal Community. Applied and Environmental Microbiology, 2008, 74, 1485-1493.	3.1	32
46	Functional diversity of soil microbial community, rock phosphate dissolution and growth of Acacia seyal as influenced by grass-, litter- and soil-feeding termite nest structure amendments. Geoderma, 2005, 124, 349-361.	5.1	31
47	Some Mediterranean plant species (Lavandula spp. and Thymus satureioides) act as potential â€˜plant nursesâ€™ for the early growth of Cupressus atlantica. Plant Ecology, 2006, 185, 123-134.	1.6	31
48	Soil Bacterial Diversity Responses to Root Colonization by an Ectomycorrhizal Fungus are not Root-Growth-Dependent. Microbial Ecology, 2005, 50, 350-359.	2.8	29
49	Arbuscular mycorrhizas and ectomycorrhizas of Uapaca bojeri L. (Euphorbiaceae): sporophore diversity, patterns of root colonization, and effects on seedling growth and soil microbial catabolic diversity. Mycorrhiza, 2007, 17, 195-208.	2.8	29
50	Responses of Pinus halepensis growth, soil microbial catabolic functions and phosphate-solubilizing bacteria after rock phosphate amendment and ectomycorrhizal inoculation. Plant and Soil, 2009, 320, 169-179.	3.7	29
51	Large trends in French topsoil characteristics are revealed by spatially constrained multivariate analysis. Geoderma, 2011, 161, 107-114.	5.1	29
52	Occurrence of Stenotrophomonas maltophilia in agricultural soils and antibiotic resistance properties. Research in Microbiology, 2016, 167, 313-324.	2.1	29
53	Integrated databanks access and sequence/structure analysis services at the PBIL. Nucleic Acids Research, 2003, 31, 3393-3399.	14.5	28
54	Lavandula species as accompanying plants in Cupressus replanting strategies: Effect on plant growth, mycorrhizal soil infectivity and soil microbial catabolic diversity. Applied Soil Ecology, 2006, 34, 190-199.	4.3	27

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55	Identification of soil factors that relate to plant parasitic nematode communities on tomato and yam in the French West Indies. Applied Soil Ecology, 1998, 8, 35-49.	4.3	25
56	Detection of recombinant human erythropoietin in urine for doping analysis: Interpretation of isoelectric profiles by discriminant analysis. Electrophoresis, 2007, 28, 1875-1881.	2.4	25
57	Assessing potential surrogates of macroinvertebrate diversity in North-African Mediterranean aquatic ecosystems. Ecological Indicators, 2019, 101, 324-329.	6.3	22
58	Multivariate analyses in soil microbial ecology: a new paradigm. Environmental and Ecological Statistics, 2012, 19, 499-520.	3.5	21
59	Displacement of an herbaceous plant species community by mycorrhizal and non-mycorrhizal Gmelina arborea, an exotic tree, grown in a microcosm experiment. Mycorrhiza, 2006, 16, 125-132.	2.8	20
60	Controlled ectomycorrhization of an exotic legume tree species Acacia holosericea affects the structure of root nodule bacteria community and their symbiotic effectiveness on Faidherbia albida, a native Sahelian Acacia. Soil Biology and Biochemistry, 2009, 41, 1245-1252.	8.8	20
61	Restoring native forest ecosystems after exotic tree plantation in Madagascar: combination of the local ectotrophic species Leptolena bojeriana and Uapaca bojeri mitigates the negative influence of the exotic species Eucalyptus camaldulensis and Pinus patula. Biological Invasions, 2012, 14, 2407-2421.	2.4	19
62	Complex ecological interactions of Staphylococcus aureus in tampons during menstruation. Scientific Reports, 2018, 8, 9942.	3.3	17
63	Diversity, Geographic Distribution, and Habitat-Specific Variations of Microbiota in Natural Populations of the Chicken Mite, Dermanyssus gallinae. Journal of Medical Entomology, 2011, 48, 788-796.	1.8	16
64	The use of STATICO and COSTATIS, two exploratory three-ways analysis methods: an application to the ecology of aquatic heteroptera in the Medjerda watershed (Tunisia). Environmental and Ecological Statistics, 2017, 24, 269-295.	3.5	15
65	NetMul, a World-Wide Web user interface for multivariate analysis software. Computational Statistics and Data Analysis, 1996, 21, 369-372.	1.2	14
66	Development of cellular immune responses to Plasmodium falciparum blood stage antigens from birth to 36 months of age in Cameroon. Acta Tropica, 2006, 98, 261-269.	2.0	14
67	Biological effects ofÂnative andÂexotic plant residues onÂplant growth, microbial biomass andÂN availability under controlled conditions. European Journal of Soil Biology, 2006, 42, 238-246.	3.2	14
68	Biological control of Striga hermonthica by Cubitermes termite mound powder amendment in sorghum culture. Applied Soil Ecology, 2007, 37, 175-183.	4.3	14
69	Relationships between plant-parasitic nematode community, fallow duration and soil factors in the Sudano-Sahelian area of Senegal. Agriculture, Ecosystems and Environment, 2005, 108, 302-317.	5.3	13
70	Response of native soil microbial functions to the controlled mycorrhization of an exotic tree legume, Acacia holosericea in a Sahelian ecosystem. Mycorrhiza, 2012, 22, 175-187.	2.8	13
71	Litter-forager termite mounds enhance the ectomycorrhizal symbiosis between Acacia holosericea A. Cunn. Ex G. Don and Scleroderma dictyosporum isolates. FEMS Microbiology Ecology, 2006, 56, 292-303.	2.7	11
72	Comparing and classifying one-dimensional spatial patterns: an application to laser altimeter profiles. Remote Sensing of Environment, 2003, 85, 453-462.	11.0	9

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73	Checklist, distribution, and a new record of Nepomorphan water bugs (Hemiptera: Heteroptera) in northern Tunisia. Zootaxa, 2015, 3981, 151-76.	0.5	9
74	Overcoming the Spurious Groups Problem in Between-Group PCA. Evolutionary Biology, 2021, 48, 458-471.	1.1	9
75	Diversity of the bacterial hyperparasite Pasteuria penetrans in relation to root-knot nematodes (Meloidogyne spp.) control on Acacia holosericea. Nematology, 2000, 2, 435-442.	0.6	8
76	Bacterial Community Structure at the Microscale in Two Different Soils. Microbial Ecology, 2016, 72, 717-724.	2.8	8
77	Management of the mycorrhizal soil infectivity with Crotalaria ochroleuca , an indigenous wild legume in the tropics: Impacts on microbial functional diversity involved in phosphorus mobilization processes in a sahelian soil. Ecological Engineering, 2017, 101, 130-136.	3.6	8
78	Vaginal Tampon Colonization by Staphylococcus aureus in Healthy Women. Applied and Environmental Microbiology, 2020, 86, .	3.1	8
79	Experimental and theoretical evaluation of typing methods based upon random amplification of genomic restriction fragments (AFLP) for bacterial population genetics. Genetics Selection Evolution, 2001, 33, S319.	3.0	7
80	Relationship of nematode communities to human demographics and environment in agricultural fields and fallow lands in Senegal. Journal of Tropical Ecology, 2003, 19, 279-290.	1.1	7
81	Insertion Sequences as Highly Resolutive Genomic Markers for Sequence Type 1 Legionella pneumophila Paris. Journal of Clinical Microbiology, 2011, 49, 315-324.	3.9	6
82	Small-Scale Variability in Bacterial Community Structure in Different Soil Types. Microbial Ecology, 2021, 82, 470-483.	2.8	5
83	Annotated check-list of semi-aquatic bugs of Tunisia, with detailed Faunistic Survey of North Tunisia (Hemiptera: Heteroptera: Gerromorpha). Entomologica Americana, 2016, 122, 55-71.	0.2	4
84	Field Application of the Mycorrhizal Fungus <i>Rhizophagus irregularis</i> Increases the Yield of Wheat Crop and Affects Soil Microbial Functionalities. American Journal of Plant Sciences, 2015, 06, 3205-3215.	0.8	4
85	The Impact of Mycorrhizosphere Bacterial Communities on Soil Biofunctioning in Tropical and Mediterranean Forest Ecosystems. , 2012, , 79-95.		3
86	L'introduction d'acacias australiens pour rÃ©habiliter des Ã©cosystÃ¨mes dÃ©gradÃ©s est-elle dÃ©pourvue de risques environnementaux ?. Bois Et Forets Des Tropiques, 2013, 318, 59.	0.2	3
87	Surface water quality assessment in a semiarid Mediterranean region (Medjerda, Northern Tunisia) using partial triadic analysis. Environmental Science and Pollution Research, 2020, 27, 30190-30198.	5.3	3
88	Une nouvelle analyse multi-temporelle d'images satellitales, les rÃ©sidus de l'Analyse en Composantes Principales. Un cas d'Ã©tude: une sÃ©rie d'images Landsat Thematic Mapper de la Camargue, France. International Journal of Remote Sensing, 2004, 25, 1925-1938.	2.9	2
89	Monitoring the Development of Nurse Plant Species to Improve the Performances of Reforestation Programs in Mediterranean Areas. , 2009, , 255-265.		2
90	Multivariate Analysis Graphs. , 2018, , 53-76.		2

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91	A soil microscale study to reveal the heterogeneity of Hg(II) impact on indigenous bacteria by quantification of adapted phenotypes and analysis of community DNA fingerprints. FEMS Microbiology Ecology, 2000, 31, 107-115.	2.7	2
92	Relating Species Traits to Environment. , 2018, , 223-237.		1
93	Analysing Spatial Structures. , 2018, , 239-260.		1
94	Description of Species Structures. , 2018, , 97-117.		1
95	Description of Environmental Variables Structures. , 2018, , 77-96.		1
96	Impacto de la simbiosis micorrÃ±tica arbuscular en el crecimiento temprano del cultivo de tara (Caesalpinia spinosa (Molina) Kuntze). Revista Forestal Del PerÃº, 2017, 32, 89.	0.1	1
97	Analysing Patterns of Biodiversity. , 2018, , 281-294.		0
98	Taking into Account Groups of Sites. , 2018, , 119-140.		0
99	Description of Species-Environment Relationships. , 2018, , 141-166.		0
100	Analysing Changes in Structures. , 2018, , 167-204.		0
101	Analysing Phylogenetic Structures. , 2018, , 261-280.		0
102	Analysing Changes in Co-structures. , 2018, , 205-222.		0
103	Useful R Functions and Data Structures. , 2018, , 13-28.		0
104	The dudi Class. , 2018, , 29-51.		0
105	Water Quality Shapes Freshwater Macroinvertebrate Communities in Northern Tunisia. Environmental Science and Engineering, 2021, , 1915-1919.	0.2	0
106	Online Reproducible Research: An Application to Multivariate Analysis of Bacterial DNA Fingerprint Data. R Journal, 2010, 2, 44.	1.8	0