

Jean Thioulouse

List of Publications by Year in descending order

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105
papers

7,447
citations

94269

37
h-index

56606

83
g-index

109
all docs

109
docs citations

109
times ranked

10361
citing authors

#	ARTICLE	IF	CITATIONS
1	ADE-4: a multivariate analysis and graphical display software. <i>Statistics and Computing</i> , 1997, 7, 75-83.	0.8	1,339
2	Relationships between <i>Staphylococcus aureus</i> Genetic Background, Virulence Factors, agr Groups (Alleles), and Human Disease. <i>Infection and Immunity</i> , 2002, 70, 631-641.	1.0	1,003
3	CO-INERTIA ANALYSIS AND THE LINKING OF ECOLOGICAL DATA TABLES. <i>Ecology</i> , 2003, 84, 3078-3089.	1.5	507
4	Community ecology in the age of multivariate multiscale spatial analysis. <i>Ecological Monographs</i> , 2012, 82, 257-275.	2.4	506
5	MADE4: an R package for multivariate analysis of gene expression data. <i>Bioinformatics</i> , 2005, 21, 2789-2790.	1.8	364
6	Biogeographical patterns of soil molecular microbial biomass as influenced by soil characteristics and management. <i>Global Ecology and Biogeography</i> , 2011, 20, 641-652.	2.7	209
7	Multivariate Analysis of Ecological Data with ade4. , 2018, , .		206
8	Turnover of soil bacterial diversity driven by wide-scale environmental heterogeneity. <i>Nature Communications</i> , 2013, 4, 1434.	5.8	199
9	Interactive Multivariate Data Analysis in R with the ade4 and ade4TkGUI Packages. <i>Journal of Statistical Software</i> , 2007, 22, .	1.8	151
10	Use and misuse of correspondence analysis in codon usage studies. <i>Nucleic Acids Research</i> , 2002, 30, 4548-4555.	6.5	136
11	A mathematical method for determining genome divergence and species delineation using AFLP.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 573-586.	0.8	129
12	The mycorrhizal fungus <i>Glomus intraradices</i> and rock phosphate amendment influence plant growth and microbial activity in the rhizosphere of <i>Acacia holosericea</i> . <i>Soil Biology and Biochemistry</i> , 2005, 37, 1460-1468.	4.2	124
13	Multivariate analysis of spatial patterns: a unified approach to local and global structures. <i>Environmental and Ecological Statistics</i> , 1995, 2, 1-14.	1.9	121
14	Potential of a 16S rRNA-Based Taxonomic Microarray for Analyzing the Rhizosphere Effects of Maize on <i>Agrobacterium</i> spp. and Bacterial Communities. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4302-4312.	1.4	111
15	Online synonymous codon usage analyses with the ade4 and seqinR packages. <i>Bioinformatics</i> , 2005, 21, 545-547.	1.8	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. <i>FEMS Microbiology Ecology</i> , 2000, 31, 107-115.	1.3	102
17	SIMULTANEOUS ANALYSIS OF A SEQUENCE OF PAIRED ECOLOGICAL TABLES. <i>Ecology</i> , 2004, 85, 272-283.	1.5	85
18	Multivariate analysis of the spatial patterns of 8 trace elements using the French soil monitoring network data. <i>Science of the Total Environment</i> , 2009, 407, 5644-5652.	3.9	84

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19	Biogeographical patterns of soil bacterial communities. <i>Environmental Microbiology Reports</i> , 2009, 1, 251-255.	1.0	70
20	Impact of Wheat/Faba Bean Mixed Cropping or Rotation Systems on Soil Microbial Functionalities. <i>Frontiers in Plant Science</i> , 2016, 7, 1364.	1.7	67
21	Identification of Genomic Species in <i>Agrobacterium</i> Biovar 1 by AFLP Genomic Markers. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7123-7131.	1.4	66
22	Biogeography of soil microbial communities: a review and a description of the ongoing french national initiative. <i>Agronomy for Sustainable Development</i> , 2010, 30, 359-365.	2.2	65
23	Relationship between Spatial and Genetic Distance in <i>Agrobacterium</i> spp. in 1 Cubic Centimeter of Soil. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1482-1487.	1.4	60
24	Simultaneous analysis of a sequence of paired ecological tables: A comparison of several methods. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	60
25	Rhizosphere microbiota interferes with plant-plant interactions. <i>Plant and Soil</i> , 2009, 321, 259-278.	1.8	58
26	Fluorescent pseudomonads occurring in <i>Macrotermes subhyalinus</i> mound structures decrease Cd toxicity and improve its accumulation in sorghum plants. <i>Science of the Total Environment</i> , 2006, 370, 391-400.	3.9	52
27	The diet of feral cats (<i>Felis catus</i> L.) at five sites on the Grande Terre, Kerguelen archipelago. <i>Polar Biology</i> , 2002, 25, 833-837.	0.5	50
28	A Method for Reciprocal Scaling of Species Tolerance and Sample Diversity. <i>Ecology</i> , 1992, 73, 670-680.	1.5	48
29	Bacterial taxa associated with the hematophagous mite <i>Dermanyssus gallinae</i> detected by 16S rRNA PCR amplification and TTGE fingerprinting. <i>Research in Microbiology</i> , 2009, 160, 63-70.	1.0	48
30	Potentialities of ecological engineering strategy based on native arbuscular mycorrhizal community for improving afforestation programs with carob trees in degraded environments. <i>Ecological Engineering</i> , 2015, 79, 113-119.	1.6	48
31	Use of correspondence discriminant analysis to predict the subcellular location of bacterial proteins. <i>Computer Methods and Programs in Biomedicine</i> , 2003, 70, 99-105.	2.6	45
32	Nurse shrubs increased the early growth of <i>Cupressus</i> seedlings by enhancing belowground mutualism and soil microbial activity. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2160-2160.	4.2	44
33	Relationships between abiotic and biotic soil properties during fallow periods in the sudanian zone of Senegal. <i>Applied Soil Ecology</i> , 2000, 14, 89-101.	2.1	43
34	Improvement of <i>Cupressus atlantica</i> Gaussen growth by inoculation with native arbuscular mycorrhizal fungi. <i>Journal of Applied Microbiology</i> , 2007, 103, 683-690.	1.4	43
35	Soil functional diversity and P solubilization from rock phosphate after inoculation with native or allochthonous arbuscular mycorrhizal fungi. <i>Forest Ecology and Management</i> , 2007, 241, 200-208.	1.4	42
36	Interactions between ectomycorrhizal symbiosis and fluorescent pseudomonads on <i>Acacia holosericea</i> : isolation of mycorrhiza helper bacteria (MHB) from a Soudano-Sahelian soil. <i>FEMS Microbiology Ecology</i> , 2002, 41, 37-46.	1.3	41

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37	Procrustean co-inertia analysis for the linking of multivariate datasets. <i>Ecoscience</i> , 2003, 10, 110-119.	0.6	41
38	The exotic legume tree species, <i>Acacia mearnsii</i> , alters microbial soil functionalities and the early development of a native tree species, <i>Quercus suber</i> , in North Africa. <i>Soil Biology and Biochemistry</i> , 2013, 65, 172-179.	4.2	41
39	adegraphics: An S4 Lattice-Based Package for the Representation of Multivariate Data. <i>R Journal</i> , 2017, 9, 198.	0.7	41
40	Arbuscular mycorrhizal symbiosis can counterbalance the negative influence of the exotic tree species <i>Eucalyptus camaldulensis</i> on the structure and functioning of soil microbial communities in a sahelian soil. <i>FEMS Microbiology Ecology</i> , 2007, 62, 32-44.	1.3	38
41	Impact of Currently Marketed Tampons and Menstrual Cups on <i>Staphylococcus aureus</i> Growth and Toxic Shock Syndrome Toxin 1 Production <i>In Vitro</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	37
42	Ectomycorrhizal diversity enhances growth and nitrogen fixation of <i>Acacia mangium</i> seedlings. <i>Soil Biology and Biochemistry</i> , 2013, 57, 468-476.	4.2	36
43	A phylogenomic analysis of bacterial helix-â€œturnâ€œhelix transcription factors. <i>FEMS Microbiology Reviews</i> , 2009, 33, 411-429.	3.9	35
44	Similar Processes but Different Environmental Filters for Soil Bacterial and Fungal Community Composition Turnover on a Broad Spatial Scale. <i>PLoS ONE</i> , 2014, 9, e111667.	1.1	35
45	The Exotic Legume Tree Species <i>Acacia holosericea</i> Alters Microbial Soil Functionalities and the Structure of the Arbuscular Mycorrhizal Community. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1485-1493.	1.4	32
46	Functional diversity of soil microbial community, rock phosphate dissolution and growth of <i>Acacia seyal</i> as influenced by grass-, litter- and soil-feeding termite nest structure amendments. <i>Geoderma</i> , 2005, 124, 349-361.	2.3	31
47	Some Mediterranean plant species (<i>Lavandula</i> spp. and <i>Thymus satureioides</i>) act as potential plant nurses for the early growth of <i>Cupressus atlantica</i> . <i>Plant Ecology</i> , 2006, 185, 123-134.	0.7	31
48	Soil Bacterial Diversity Responses to Root Colonization by an Ectomycorrhizal Fungus are not Root-Growth-Dependent. <i>Microbial Ecology</i> , 2005, 50, 350-359.	1.4	29
49	Arbuscular mycorrhizas and ectomycorrhizas of <i>Uapaca bojeri</i> L. (Euphorbiaceae): sporophore diversity, patterns of root colonization, and effects on seedling growth and soil microbial catabolic diversity. <i>Mycorrhiza</i> , 2007, 17, 195-208.	1.3	29
50	Responses of <i>Pinus halepensis</i> growth, soil microbial catabolic functions and phosphate-solubilizing bacteria after rock phosphate amendment and ectomycorrhizal inoculation. <i>Plant and Soil</i> , 2009, 320, 169-179.	1.8	29
51	Large trends in French topsoil characteristics are revealed by spatially constrained multivariate analysis. <i>Geoderma</i> , 2011, 161, 107-114.	2.3	29
52	Occurrence of <i>Stenotrophomonas maltophilia</i> in agricultural soils and antibiotic resistance properties. <i>Research in Microbiology</i> , 2016, 167, 313-324.	1.0	29
53	Integrated databanks access and sequence/structure analysis services at the PBIL. <i>Nucleic Acids Research</i> , 2003, 31, 3393-3399.	6.5	28
54	<i>Lavandula</i> species as accompanying plants in <i>Cupressus</i> replanting strategies: Effect on plant growth, mycorrhizal soil infectivity and soil microbial catabolic diversity. <i>Applied Soil Ecology</i> , 2006, 34, 190-199.	2.1	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. <i>Applied Soil Ecology</i> , 1998, 8, 35-49.	2.1	25
56	Detection of recombinant human erythropoietin in urine for doping analysis: Interpretation of isoelectric profiles by discriminant analysis. <i>Electrophoresis</i> , 2007, 28, 1875-1881.	1.3	25
57	Assessing potential surrogates of macroinvertebrate diversity in North-African Mediterranean aquatic ecosystems. <i>Ecological Indicators</i> , 2019, 101, 324-329.	2.6	22
58	Multivariate analyses in soil microbial ecology: a new paradigm. <i>Environmental and Ecological Statistics</i> , 2012, 19, 499-520.	1.9	21
59	Displacement of an herbaceous plant species community by mycorrhizal and non-mycorrhizal <i>Gmelina arborea</i> , an exotic tree, grown in a microcosm experiment. <i>Mycorrhiza</i> , 2006, 16, 125-132.	1.3	20
60	Controlled ectomycorrhization of an exotic legume tree species <i>Acacia holosericea</i> affects the structure of root nodule bacteria community and their symbiotic effectiveness on <i>Faidherbia albida</i> , a native Sahelian <i>Acacia</i> . <i>Soil Biology and Biochemistry</i> , 2009, 41, 1245-1252.	4.2	20
61	Restoring native forest ecosystems after exotic tree plantation in Madagascar: combination of the local ectotrophic species <i>Leptolena bojeriana</i> and <i>Uapaca bojeri</i> mitigates the negative influence of the exotic species <i>Eucalyptus camaldulensis</i> and <i>Pinus patula</i> . <i>Biological Invasions</i> , 2012, 14, 2407-2421.	1.2	19
62	Complex ecological interactions of <i>Staphylococcus aureus</i> in tampons during menstruation. <i>Scientific Reports</i> , 2018, 8, 9942.	1.6	17
63	Diversity, Geographic Distribution, and Habitat-Specific Variations of Microbiota in Natural Populations of the Chicken Mite, <i>Dermanyssus gallinae</i> . <i>Journal of Medical Entomology</i> , 2011, 48, 788-796.	0.9	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). <i>Environmental and Ecological Statistics</i> , 2017, 24, 269-295.	1.9	15
65	NetMul, a World-Wide Web user interface for multivariate analysis software. <i>Computational Statistics and Data Analysis</i> , 1996, 21, 369-372.	0.7	14
66	Development of cellular immune responses to <i>Plasmodium falciparum</i> blood stage antigens from birth to 36 months of age in Cameroon. <i>Acta Tropica</i> , 2006, 98, 261-269.	0.9	14
67	Biological effects of native and exotic plant residues on plant growth, microbial biomass and N availability under controlled conditions. <i>European Journal of Soil Biology</i> , 2006, 42, 238-246.	1.4	14
68	Biological control of <i>Striga hermonthica</i> by <i>Cubitermes</i> termite mound powder amendment in sorghum culture. <i>Applied Soil Ecology</i> , 2007, 37, 175-183.	2.1	14
69	Relationships between plant-parasitic nematode community, fallow duration and soil factors in the Sudano-Sahelian area of Senegal. <i>Agriculture, Ecosystems and Environment</i> , 2005, 108, 302-317.	2.5	13
70	Response of native soil microbial functions to the controlled mycorrhization of an exotic tree legume, <i>Acacia holosericea</i> in a Sahelian ecosystem. <i>Mycorrhiza</i> , 2012, 22, 175-187.	1.3	13
71	Litter-forager termite mounds enhance the ectomycorrhizal symbiosis between <i>Acacia holosericea</i> A. Cunn. Ex G. Don and <i>Scleroderma dictyosporum</i> isolates. <i>FEMS Microbiology Ecology</i> , 2006, 56, 292-303.	1.3	11
72	Comparing and classifying one-dimensional spatial patterns: an application to laser altimeter profiles. <i>Remote Sensing of Environment</i> , 2003, 85, 453-462.	4.6	9

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73	Checklist, distribution, and a new record of Nepomorphan water bugs (Hemiptera: Heteroptera) in northern Tunisia. <i>Zootaxa</i> , 2015, 3981, 151-76.	0.2	9
74	Overcoming the Spurious Groups Problem in Between-Group PCA. <i>Evolutionary Biology</i> , 2021, 48, 458-471.	0.5	9
75	Diversity of the bacterial hyperparasite <i>Pasteuria penetrans</i> in relation to root-knot nematodes (<i>Meloidogyne</i> spp.) control on <i>Acacia holosericea</i> . <i>Nematology</i> , 2000, 2, 435-442.	0.2	8
76	Bacterial Community Structure at the Microscale in Two Different Soils. <i>Microbial Ecology</i> , 2016, 72, 717-724.	1.4	8
77	Management of the mycorrhizal soil infectivity with <i>Crotalaria ochroleuca</i> , an indigenous wild legume in the tropics: Impacts on microbial functional diversity involved in phosphorus mobilization processes in a sahelian soil. <i>Ecological Engineering</i> , 2017, 101, 130-136.	1.6	8
78	Vaginal Tampon Colonization by <i>Staphylococcus aureus</i> in Healthy Women. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	8
79	Experimental and theoretical evaluation of typing methods based upon random amplification of genomic restriction fragments (AFLP) for bacterial population genetics. <i>Genetics Selection Evolution</i> , 2001, 33, S319.	1.2	7
80	Relationship of nematode communities to human demographics and environment in agricultural fields and fallow lands in Senegal. <i>Journal of Tropical Ecology</i> , 2003, 19, 279-290.	0.5	7
81	Insertion Sequences as Highly Resolutive Genomic Markers for Sequence Type 1 <i>Legionella pneumophila</i> Paris. <i>Journal of Clinical Microbiology</i> , 2011, 49, 315-324.	1.8	6
82	Small-Scale Variability in Bacterial Community Structure in Different Soil Types. <i>Microbial Ecology</i> , 2021, 82, 470-483.	1.4	5
83	Annotated check-list of semi-aquatic bugs of Tunisia, with detailed Faunistic Survey of North Tunisia (Hemiptera: Heteroptera: Gerromorpha). <i>Entomologica Americana</i> , 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. <i>American Journal of Plant Sciences</i> , 2015, 06, 3205-3215.	0.3	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 r�habilitier des �cosyst�mes d'�grad�s est-elle d�pourvue de risques environnementaux ?. <i>Bois Et For�ts Des Tropiques</i> , 2013, 318, 59.	0.2	3
87	Surface water quality assessment in a semiarid Mediterranean region (Medjerda, Northern Tunisia) using partial triadic analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30190-30198.	2.7	3
88	Une nouvelle analyse multi-temporelle d'images satellitales, les r�sidus de l'Analyse en Composantes Principales. Un cas d'�tude: une s�rie d'images Landsat Thematic Mapper de la Camargue, France. <i>International Journal of Remote Sensing</i> , 2004, 25, 1925-1938.	1.3	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	Relating Species Traits to Environment. , 2018, , 223-237.		1
92	Analysing Spatial Structures. , 2018, , 239-260.		1
93	Description of Species Structures. , 2018, , 97-117.		1
94	Description of Environmental Variables Structures. , 2018, , 77-96.		1
95	Impacto de la simbiosis micorrizica arbuscular en el crecimiento temprano del cultivo de tara (Caesalpinia spinosa (Molina) Kuntze). Revista Forestal Del Perù, 2017, 32, 89.	0.2	1
96	Analysing Patterns of Biodiversity. , 2018, , 281-294.		0
97	Taking into Account Groups of Sites. , 2018, , 119-140.		0
98	Description of Species-Environment Relationships. , 2018, , 141-166.		0
99	Analysing Changes in Structures. , 2018, , 167-204.		0
100	Analysing Phylogenetic Structures. , 2018, , 261-280.		0
101	Analysing Changes in Co-structures. , 2018, , 205-222.		0
102	Useful R Functions and Data Structures. , 2018, , 13-28.		0
103	The dudi Class. , 2018, , 29-51.		0
104	Water Quality Shapes Freshwater Macroinvertebrate Communities in Northern Tunisia. Environmental Science and Engineering, 2021, , 1915-1919.	0.1	0
105	Online Reproducible Research: An Application to Multivariate Analysis of Bacterial DNA Fingerprint Data. R Journal, 2010, 2, 44.	0.7	0