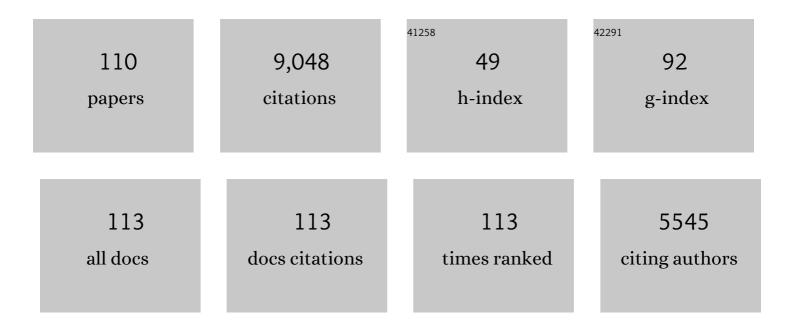
Enrique Monte

List of Publications by Year in descending order

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ENDIQUE MONTE

#	Article	IF	CITATIONS
1	Trichoderma: the genomics of opportunistic success. Nature Reviews Microbiology, 2011, 9, 749-759.	13.6	814
2	Plant-beneficial effects of Trichoderma and of its genes. Microbiology (United Kingdom), 2012, 158, 17-25.	0.7	796
3	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of Trichoderma. Genome Biology, 2011, 12, R40.	3.8	594
4	Translational Research on <i>Trichoderma</i> : From 'Omics to the Field. Annual Review of Phytopathology, 2010, 48, 395-417.	3.5	545
5	Molecular Characterization and Identification of Biocontrol Isolates of Trichoderma spp. Applied and Environmental Microbiology, 2000, 66, 1890-1898.	1.4	212
6	Molecular dialogues between Trichoderma and roots: Role of the fungal secretome. Fungal Biology Reviews, 2018, 32, 62-85.	1.9	183
7	The ThPG1 Endopolygalacturonase Is Required for the <i>Trichoderma harzianum</i> –Plant Beneficial Interaction. Molecular Plant-Microbe Interactions, 2009, 22, 1021-1031.	1.4	173
8	The contribution of Trichoderma to balancing the costs of plant growth and defense. International Microbiology, 2013, 16, 69-80.	1.1	173
9	The qid74 gene from Trichoderma harzianum has a role in root architecture and plant biofertilization. Microbiology (United Kingdom), 2012, 158, 129-138.	0.7	172
10	Thiourea derivatives and their nickel(II) and platinum(II) complexes: antifungal activity. Journal of Inorganic Biochemistry, 2002, 89, 74-82.	1.5	167
11	Transgenic expression of the Trichoderma harzianum hsp70 gene increases Arabidopsis resistance to heat and other abiotic stresses. Journal of Plant Physiology, 2010, 167, 659-665.	1.6	161
12	An Antifungal Exo-α-1,3-Glucanase (AGN13.1) from the Biocontrol Fungus Trichoderma harzianum. Applied and Environmental Microbiology, 2001, 67, 5833-5839.	1.4	146
13	Involvement of Trichoderma Trichothecenes in the Biocontrol Activity and Induction of Plant Defense-Related Genes. Applied and Environmental Microbiology, 2012, 78, 4856-4868.	1.4	143
14	Transcriptomic response of Arabidopsis thaliana after 24h incubation with the biocontrol fungus Trichoderma harzianum. Journal of Plant Physiology, 2012, 169, 614-620.	1.6	143
15	Thctf1 transcription factor of Trichoderma harzianum is involved in 6-pentyl-2H-pyran-2-one production and antifungal activity. Fungal Genetics and Biology, 2009, 46, 17-27.	0.9	130
16	Thiourea, triazole and thiadiazine compounds and their metal complexes as antifungal agents. Journal of Inorganic Biochemistry, 2005, 99, 1558-1572.	1.5	127
17	Physiological and biochemical characterization of Trichoderma harzianum, a biological control agent against soilborne fungal plant pathogens. Applied and Environmental Microbiology, 1997, 63, 3189-3198.	1.4	126
18	Proteomic analysis of secreted proteins from Trichoderma harzianum. Fungal Genetics and Biology, 2005, 42, 924-934.	0.9	124

Enrique Monte

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19	Identification of Loci and Functional Characterization of Trichothecene Biosynthesis Genes in Filamentous Fungi of the Genus Trichoderma. Applied and Environmental Microbiology, 2011, 77, 4867-4877.	1.4	124
20	Identifying Beneficial Qualities of <i>Trichoderma parareesei</i> for Plants. Applied and Environmental Microbiology, 2014, 80, 1864-1873.	1.4	124
21	Overexpression of the trichodiene synthase gene tri5 increases trichodermin production and antimicrobial activity in Trichoderma brevicompactum. Fungal Genetics and Biology, 2011, 48, 285-296.	0.9	110
22	Trichoderma harzianum favours the access of arbuscular mycorrhizal fungi to non-host Brassicaceae roots and increases plant productivity. Scientific Reports, 2019, 9, 11650.	1.6	107
23	Isolation and characterization of PRA1, a trypsin-like protease from the biocontrol agent Trichoderma harzianum CECT 2413 displaying nematicidal activity. Applied Microbiology and Biotechnology, 2004, 65, 46-55.	1.7	106
24	Expression regulation of the endochitinase chit36 from Trichoderma asperellum (T. harzianum T-203). Current Genetics, 2002, 42, 114-122.	0.8	103
25	Tomato progeny inherit resistance to the nematode Meloidogyne javanica linked to plant growth induced by the biocontrol fungus Trichoderma atroviride. Scientific Reports, 2017, 7, 40216.	1.6	101
26	Salicylic acid prevents <i><scp>T</scp>richoderma harzianum</i> from entering the vascular system of roots. Molecular Plant Pathology, 2014, 15, 823-831.	2.0	97
27	Functional Analysis of the <i>Trichoderma harzianum nox1</i> Gene, Encoding an NADPH Oxidase, Relates Production of Reactive Oxygen Species to Specific Biocontrol Activity against Pythium ultimum. Applied and Environmental Microbiology, 2011, 77, 3009-3016.	1.4	92
28	Relevance of trichothecenes in fungal physiology: Disruption of tri5 in Trichoderma arundinaceum. Fungal Genetics and Biology, 2013, 53, 22-33.	0.9	89
29	The Combination of Trichoderma harzianum and Chemical Fertilization Leads to the Deregulation of Phytohormone Networking, Preventing the Adaptive Responses of Tomato Plants to Salt Stress. Frontiers in Plant Science, 2017, 8, 294.	1.7	86
30	Cloning and characterization of the erg1 gene of Trichoderma harzianum: Effect of the erg1 silencing on ergosterol biosynthesis and resistance to terbinafine. Fungal Genetics and Biology, 2006, 43, 164-178.	0.9	77
31	N-benzoyl-N′-alkylthioureas and their complexes with Ni(II), Co(III) and Pt(II) – crystal structure of 3-benzoyl-1-butyl-1-methyl-thiourea: activity against fungi and yeast. Journal of Inorganic Biochemistry, 2004, 98, 1307-1314.	1.5	76
32	Development of a strain-specific SCAR marker for the detection of Trichoderma atroviride 11, a biological control agent against soilborne fungal plant pathogens. Current Genetics, 2001, 38, 343-350.	0.8	75
33	Trichoderma asperellum is effective for biocontrol of Verticillium wilt in olive caused by the defoliating pathotype of Verticillium dahliae. Crop Protection, 2016, 88, 45-52.	1.0	75
34	Genetic diversity shown in Trichoderma biocontrol isolates. Mycological Research, 2004, 108, 897-906.	2.5	74
35	Characterization of genes encoding novel peptidases in the biocontrol fungus Trichoderma harzianum CECT 2413 using the TrichoEST functional genomics approach. Current Genetics, 2007, 51, 331-342.	0.8	71
36	Molecular characterization of Colletotrichum strains derived from strawberry. Mycological Research, 1999, 103, 385-394.	2.5	70

Enrique Monte

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37	Distribution and Genetic Variability of Fusarium oxysporum Associated with Tomato Diseases in Algeria and a Biocontrol Strategy with Indigenous Trichoderma spp Frontiers in Microbiology, 2018, 9, 282.	1.5	69
38	Overexpression of a Trichoderma HSP70 gene increases fungal resistance to heat and other abiotic stresses. Fungal Genetics and Biology, 2008, 45, 1506-1513.	0.9	68
39	Trichoderma genes in plants for stress tolerance- status and prospects. Plant Science, 2014, 228, 71-78.	1.7	68
40	Separation and Identification of Volatile Components in the Fermentation Broth of Trichoderma atroviride by Solid-Phase Extraction and Gas Chromatography–Mass Spectrometry. Journal of Chromatographic Science, 2000, 38, 421-424.	0.7	66
41	Production of trichodiene by <scp><i>T</i></scp> <i>richoderma harzianum</i> alters the perception of this biocontrol strain by plants and antagonized fungi. Environmental Microbiology, 2015, 17, 2628-2646.	1.8	64
42	Generation, annotation and analysis of ESTs from Trichoderma harzianum CECT 2413. BMC Genomics, 2006, 7, 193.	1.2	60
43	Partial silencing of a hydroxy-methylglutaryl-CoA reductase-encoding gene in Trichoderma harzianum CECT 2413 results in a lower level of resistance to lovastatin and lower antifungal activity. Fungal Genetics and Biology, 2007, 44, 269-283.	0.9	60
44	Secondary Metabolism and Antimicrobial Metabolites of Trichoderma. , 2014, , 125-137.		59
45	Expression of an α-1,3-glucanase during mycoparasitic interaction of Trichoderma asperellum. FEBS Journal, 2005, 272, 493-499.	2.2	58
46	Gene expression analysis of the biocontrol fungus Trichoderma harzianum in the presence of tomato plants, chitin, or glucose using a high-density oligonucleotide microarray. BMC Microbiology, 2009, 9, 217.	1.3	58
47	Comparative study of Trichoderma gene expression in interactions with tomato plants using high-density oligonucleotide microarrays. Microbiology (United Kingdom), 2012, 158, 119-128.	0.7	57
48	Novel aspinolide production by <scp><i>T</i></scp> <i>richoderma arundinaceum</i> with a potential role in <scp><i>B</i></scp> <i>otrytis cinerea</i> antagonistic activity and plant defence priming. Environmental Microbiology, 2015, 17, 1103-1118.	1.8	56
49	Trichoderma asperellum biocontrol activity and induction of systemic defenses against Sclerotium cepivorum in onion plants under tropical climate conditions. Biological Control, 2020, 141, 104145.	1.4	54
50	Trichoderma and the Plant Heritable Priming Responses. Journal of Fungi (Basel, Switzerland), 2021, 7, 318.	1.5	54
51	An integrated approach to Phoma systematics. Mycopathologia, 1991, 115, 89-103.	1.3	53
52	Transcriptomic Analysis of Trichoderma atroviride Overgrowing Plant-Wilting Verticillium dahliae Reveals the Role of a New M14 Metallocarboxypeptidase CPA1 in Biocontrol. Frontiers in Microbiology, 2019, 10, 1120.	1.5	50
53	Cell wall-degrading isoenzyme profiles of Trichoderma biocontrol strains show correlation with rDNA taxonomic species. Current Genetics, 2004, 46, 277-286.	0.8	49
54	The overexpression in Arabidopsis thaliana of a Trichoderma harzianum gene that modulates glucosidase activity, and enhances tolerance to salt and osmotic stresses. Journal of Plant Physiology, 2011, 168, 1295-1302.	1.6	49

ENRIQUE MONTE

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55	Screening of antimicrobial activities in Trichoderma isolates representing three Trichoderma sections. Mycological Research, 2005, 109, 1397-1406.	2.5	47
56	Specific PCR Assays for the Detection and Quantification of DNA from the Biocontrol Strain Trichoderma harzianum 2413 in Soil. Microbial Ecology, 2005, 49, 25-33.	1.4	46
57	Overexpression of the Trichoderma brevicompactum tri5 Gene: Effect on the Expression of the Trichodermin Biosynthetic Genes and on Tomato Seedlings. Toxins, 2011, 3, 1220-1232.	1.5	45
58	Fungal profiles of Spanish country-cured hams. International Journal of Food Microbiology, 1986, 3, 355-359.	2.1	43
59	A comparison of the phenotypic and genetic stability of recombinant Trichoderma spp. generated by protoplast- and Agrobacterium-mediated transformation. Journal of Microbiology, 2006, 44, 383-95.	1.3	43
60	Detection of putative peptide synthetase genes inTrichodermaspecies: Application of this method to the cloning of a gene fromT. harzianumCECT 2413. FEMS Microbiology Letters, 2005, 244, 139-148.	0.7	41
61	Terrabacter terrae sp. nov., a novel actinomycete isolated from soil in Spain. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2491-2495.	0.8	41
62	ThPTR2, a di/tri-peptide transporter gene from Trichoderma harzianum. Fungal Genetics and Biology, 2006, 43, 234-246.	0.9	41
63	Generation, annotation, and analysis of ESTs from four different Trichoderma strains grown under conditions related to biocontrol. Applied Microbiology and Biotechnology, 2007, 75, 853-862.	1.7	39
64	The heterologous overexpression of hsp23, a small heat-shock protein gene from Trichoderma virens, confers thermotolerance to T. harzianum. Current Genetics, 2007, 52, 45-53.	0.8	39
65	Thiourea derivatives of α-aminoacids. Synthesis and characterization of Ni(II), Cu(II) and Pt(II) complexes with l-valinate derivatives. Antifungal activity. Journal of Inorganic Biochemistry, 1998, 69, 113-119.	1.5	38
66	Trichodiene Production in a <i>Trichoderma harzianum erg1-</i> Silenced Strain Provides Evidence of the Importance of the Sterol Biosynthetic Pathway in Inducing Plant Defense-Related Gene Expression. Molecular Plant-Microbe Interactions, 2015, 28, 1181-1197.	1.4	38
67	Identification and characterization of potato protease inhibitors able to inhibit pathogenicity and growth of Botrytis cinerea. Physiological and Molecular Plant Pathology, 2006, 68, 138-148.	1.3	37
68	Effects of Trichothecene Production on the Plant Defense Response and Fungal Physiology: Overexpression of the Trichoderma arundinaceum <i>tri4</i> Gene in T. harzianum. Applied and Environmental Microbiology, 2015, 81, 6355-6366.	1.4	37
69	ITS sequencing support for Epicoccum nigrum and Phoma epicoccina being the same biological species. Mycological Research, 2000, 104, 301-303.	2.5	36
70	Biodiversity of Trichoderma strains in Tunisia. Canadian Journal of Microbiology, 2009, 55, 154-162.	0.8	35
71	Nitrogen Metabolism and Growth Enhancement in Tomato Plants Challenged with Trichoderma harzianum Expressing the Aspergillus nidulans Acetamidase amdS Gene. Frontiers in Microbiology, 2016, 7, 1182.	1.5	34
72	The Trichoderma harzianum Kelch Protein ThKEL1 Plays a Key Role in Root Colonization and the Induction of Systemic Defense in Brassicaceae Plants. Frontiers in Plant Science, 2019, 10, 1478.	1.7	34

ENRIQUE MONTE

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73	Phytohormone Production Profiles in Trichoderma Species and Their Relationship to Wheat Plant Responses to Water Stress. Pathogens, 2021, 10, 991.	1.2	34
74	BGN16.3, a novel acidic β-1,6-glucanase from mycoparasitic fungus Trichoderma harzianum CECT 2413. FEBS Journal, 2005, 272, 3441-3448.	2.2	32
75	Effect of Inorganic N Top Dressing and Trichoderma harzianum Seed-Inoculation on Crop Yield and the Shaping of Root Microbial Communities of Wheat Plants Cultivated Under High Basal N Fertilization. Frontiers in Plant Science, 2020, 11, 575861.	1.7	32
76	Chloride and ethyl ester morpholine thiourea derivatives and their Ni(II) complexes. Crystal and molecular structures of the thiourea derivative ?-leucine methyl ester and its complexes with Cu(II) and Pt(II). Growth of the pathogenic fungus Botrytis cinerea. Journal of Inorganic Biochemistry, 1999, 75, 181-188.	1.5	31
77	Cloning and characterization of the Thcut1 gene encoding a cutinase of Trichoderma harzianum T34. Current Genetics, 2008, 54, 301-312.	0.8	29
78	Interactions between <i>Trichoderma harzianum</i> and defoliating <i>Verticillium dahliae</i> in resistant and susceptible wild olive clones. Plant Pathology, 2018, 67, 1758-1767.	1.2	29
79	The importance of chorismate mutase in the biocontrol potential of Trichoderma parareesei. Frontiers in Microbiology, 2015, 6, 1181.	1.5	28
80	Trichothecenes and aspinolides produced by <i>Trichoderma arundinaceum</i> regulate expression of <i>Botrytis cinerea</i> genes involved in virulence and growth. Environmental Microbiology, 2016, 18, 3991-4004.	1.8	25
81	Combined Comparative Genomics and Gene Expression Analyses Provide Insights into the Terpene Synthases Inventory in Trichoderma. Microorganisms, 2020, 8, 1603.	1.6	25
82	Hemisynthesis and absolute configuration of novel 6-pentyl-2H-pyran-2-one derivatives from Trichoderma spp Tetrahedron, 2009, 65, 4834-4840.	1.0	24
83	Early Root Transcriptomic Changes in Wheat Seedlings Colonized by Trichoderma harzianum Under Different Inorganic Nitrogen Supplies. Frontiers in Microbiology, 2019, 10, 2444.	1.5	23
84	Genomics of Trichoderma. Applied Mycology and Biotechnology, 2004, , 225-248.	0.3	22
85	Cloning and characterization ofbgn16·3, coding for a \hat{l}^2 -1,6-glucanase expressed duringTrichoderma harzianummycoparasitism. Journal of Applied Microbiology, 2007, 103, 1291-1300.	1.4	22
86	Genetic analyses place most Spanish isolates of Beauveria bassiana in a molecular group with word-wide distribution. BMC Microbiology, 2011, 11, 84.	1.3	21
87	Involvement of the Transcriptional Coactivator ThMBF1 in the Biocontrol Activity of Trichoderma harzianum. Frontiers in Microbiology, 2017, 8, 2273.	1.5	20
88	Microbiological Evaluation of the Disinfecting Potential of UV-C and UV-C Plus Ozone Generating Robots. Microorganisms, 2021, 9, 172.	1.6	19
89	Detection of peptaibols and partial cloning of a putative peptaibol synthetase gene fromT. harzianum CECT 2413. Folia Microbiologica, 2006, 51, 114-120.	1.1	18
90	TvDim1 of Trichoderma virens is involved in redox-processes and confers resistance to oxidative stresses. Current Genetics, 2010, 56, 63-73.	0.8	18

ENRIQUE MONTE

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91	Role and genetic basis of specialised secondary metabolites in Trichoderma ecophysiology. Fungal Biology Reviews, 2022, 39, 83-99.	1.9	18
92	Lichenized association between Septonema tormes sp. nov., a coccoid cyanobacterium, and a green alga with an unforeseen biopreservation effect of Villamayor sandstone at â€~Casa Lis' of Salamanca, Spain. Mycological Research, 1997, 101, 1489-1495.	2.5	17
93	Why Is the Correct Selection of Trichoderma Strains Important? The Case of Wheat Endophytic Strains of T. harzianum and T. simmonsii. Journal of Fungi (Basel, Switzerland), 2021, 7, 1087.	1.5	17
94	A Physiological and Biochemical Approach to the Systematics of Colletotrichum Species Pathogenic to Strawberry. Mycologia, 2000, 92, 488.	0.8	16
95	Proteomic Approaches to Understand Trichoderma Biocontrol Mechanisms and Plant Interactions. Current Proteomics, 2010, 7, 298-305.	0.1	16
96	YeastIdent-Food/ProleFood, a new system for the identification of food yeasts based on physiological and biochemical tests. Food Microbiology, 2001, 18, 637-646.	2.1	15
97	Intraspecific diversity within avocado field isolates of Rosellinia necatrix from south-east Spain. European Journal of Plant Pathology, 2008, 121, 201-205.	0.8	15
98	Differential Response of Tomato Plants to the Application of Three Trichoderma Species When Evaluating the Control of Pseudomonas syringae Populations. Plants, 2020, 9, 626.	1.6	15
99	Botrydial and botcinins produced by <scp><i>B</i></scp> <i>otrytis cinerea</i> regulate the expression of <scp><i>T</i></scp> <i>richoderma arundinaceum</i> genes involved in trichothecene biosynthesis. Molecular Plant Pathology, 2016, 17, 1017-1031.	2.0	14
100	Three New Reports of Trichoderma in Algeria: T. atrobrunneum, (South) T. longibrachiatum (South), and T. afroharzianum (Northwest). Microorganisms, 2020, 8, 1455.	1.6	13
101	Vegetative and reproductive structures of Phoma betae in vitro. Transactions of the British Mycological Society, 1988, 90, 233-245.	0.6	11
102	Ultrastructural and chemotaxonomic analysis of a xylanolytic strain of Cryptococcus adeliensis isolated from sheep droppings in Spain. Archives of Microbiology, 2006, 186, 195-202.	1.0	11
103	Effect of Trichoderma asperellum on Wheat Plants' Biochemical and Molecular Responses, and Yield under Different Water Stress Conditions. International Journal of Molecular Sciences, 2022, 23, 6782.	1.8	10
104	Synthesis of Trichodermin Derivatives and Their Antimicrobial and Cytotoxic Activities. Molecules, 2019, 24, 3811.	1.7	9
105	Pyrenochaeta dolichi: an example of a confusing species. Mycological Research, 1997, 101, 1405-1408.	2.5	8
106	Detection of potentially valuable polymorphisms in four group I intron insertion sites at the 3'-end of the LSU rDNA genes in biocontrol isolates of Metarhizium anisopliae. BMC Microbiology, 2006, 6, 77.	1.3	8
107	Biotechnological applications of the gene transfer from the beneficial fungusTrichoderma harzianumspp. to plants. Plant Signaling and Behavior, 2011, 6, 1235-1236.	1.2	7
108	Pycnidial development in Phoma betae. Mycological Research, 1989, 92, 369-372.	2.5	4

#	Article	IF	CITATIONS
109	Germination of conidia in Phoma betae. Transactions of the British Mycological Society, 1988, 91, 133-139.	0.6	1
110	Conidiogenesis in Phoma betae. Transactions of the British Mycological Society, 1988, 90, 659-662.	0.6	1