Yves Roisin

List of Publications by Year
in descending order

137	4,256	136950 32	161849 54
papers	citations	h-index	g-index

147	147	147	3074
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484.	12.6	445
2	The Evolutionary History of Termites as Inferred from 66 Mitochondrial Genomes. Molecular Biology and Evolution, 2015, 32, 406-421.	8.9	268
3	Diversity and Evolution of Caste Patterns. , 2000, , 95-119.		203
4	Evolution of Termite Symbiosis Informed by Transcriptome-Based Phylogenies. Current Biology, 2019, 29, 3728-3734.e4.	3.9	110
5	Arthropod Distribution in a Tropical Rainforest: Tackling a Four Dimensional Puzzle. PLoS ONE, 2015, 10, e0144110.	2.5	102
6	Rampant Host Switching Shaped the Termite Gut Microbiome. Current Biology, 2018, 28, 649-654.e2.	3.9	101
7	Mitochondrial Phylogenomics Resolves the Global Spread of Higher Termites, Ecosystem Engineers of the Tropics. Molecular Biology and Evolution, 2017, 34, msw253.	8.9	89
8	(E,E)-Î±-Farnesene, an Alarm Pheromone of the Termite Prorhinotermes canalifrons. Journal of Chemical Ecology, 2008, 34, 478-486.	1.8	73
9	Oceanic dispersal, vicariance and human introduction shaped the modern distribution of the termitesReticulitermes,HeterotermesandCoptotermes. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160179.	2.6	73
10	Feeding ecology and phylogenetic structure of a complex neotropical termite assemblage, revealed by nitrogen stable isotope ratios. Ecological Entomology, 2011, 36, 261-269.	2.2	72
11	Molecular Phylogeny and Biogeography of the Nasute Termite Genus Nasutitermes (Isoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	69
12	When Hymenopteran Males Reinvented Diploidy. Current Biology, 2005, 15, 824-827.	3.9	67
13	Revisiting Coptotermes (Isoptera: Rhinotermitidae): a global taxonomic road map for species validity and distribution of an economically important subterranean termite genus. Systematic Entomology, 2016, 41, 299-306.	3.9	65
14	Explosive Backpacks in Old Termite Workers. Science, 2012, 337, 436-436.	12.6	61
15	Caste-dependent reactions to soldier defensive secretion and chiral alarm/recruitment pheromone inNasutitermes princeps. Journal of Chemical Ecology, 1990, 16, 2865-2875.	1.8	60
16	Morphology, development and evolutionary significance of the working stages in the caste system of Prorhinotermes (Insecta, Isoptera). Zoomorphology, 1988, 107, 339-347.	0.8	59
17	Vertical stratification of the termite assemblage in a neotropical rainforest. Oecologia, 2006, 149, 301-311.	2.0	58
18	Scale dependence of diversity measures in a leaf-litter ant assemblage. Ecography, 2004, 27, 253-267.	4.5	57

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19	Philopatric reproduction, a prime mover in the evolution of termite sociality?. Insectes Sociaux, 1999, 46, 297-305.	1.2	54
20	Reproductive mechanisms in termites: Polycalism and polygyny inNasutitermes polygynus andN. costalis. Insectes Sociaux, 1986, 33, 149-167.	1.2	52
21	Intragroup Conflicts and the Evolution of Sterile Castes in Termites. American Naturalist, 1994, 143, 751-765.	2.1	50
22	Imaginal polymorphism and polygyny in the Neo-Guinean termiteNasutitermes princeps (Desneux). Insectes Sociaux, 1985, 32, 140-157.	1.2	48
23	Integrative omics analysis of the termite gut system adaptation to Miscanthus diet identifies lignocellulose degradation enzymes. Communications Biology, 2020, 3, 275.	4.4	47
24	Replacement of reproductives in Nasutitermes princeps (Desneux) (Isoptera: Termitidae). Behavioral Ecology and Sociobiology, 1986, 18, 437-442.	1.4	45
25	Niche differentiation among neotropical soldierless soil-feeding termites revealed by stable isotope ratios. Soil Biology and Biochemistry, 2009, 41, 2038-2043.	8.8	43
26	Asexual queen succession in the higher termite Embiratermes neotenicus. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150260.	2.6	42
27	Characterizing termite assemblages in fragmented forests: A test case in the Argentinian Chaco. Austral Ecology, 2004, 29, 637-646.	1.5	39
28	Structure and function of defensive glands in soldiers of Glossotermes oculatus (Isoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.6	39
29	Social Organisation and the Status of Workers in Termites. , 2010, , 133-164.		38
30	Caste morphology and development intermitogeton nr.planus (insecta, isoptera, rhinotermitidae). Journal of Morphology, 2003, 255, 69-79.	1.2	37
31	Biosynthesis of tetraponerine-8, a defence alkaloid of the ant Tetraponera sp.. Canadian Journal of Chemistry, 1994, 72, 105-109.	1.1	35
32	Intraspecific interactions in a community of arboreal nesting termites (Isoptera: Termitidae). Journal of Insect Behavior, 1996, 9, 799-817.	0.7	35
33	The soldierless Apicotermitinae: insights into a poorly known and ecologically dominant tropical taxon. Insectes Sociaux, 2016, 63, 39-50.	1.2	35
34	The functional evolution of termite gut microbiota. Microbiome, 2022, 10, .	11.1	35
35	Developmental Pathways and Polyethism of Neuter Castes in the Processional Nasute Termite Hospitalitermes medioflavus (Isoptera: Termitidae). Zoological Science, 1998, 15, 843-848.	0.7	34
36	Structure and Dynamics of the Arboreal Termite Community in New Guinean Coconut Plantations21. Biotropica, 1997, 29, 193-203.	1.6	33

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37	Spatial structure of litter-dwelling ant distribution in a subtropical dry forest. Insectes Sociaux, 2005, 52, 366-377.	1.2	33
38	The frontal gland in workers of Neotropical soldierless termites. Die Naturwissenschaften, 2010, 97, 495-503.	1.6	33
39	Beta-Diversity of Termite Assemblages Among Primary French Guiana Rain Forests. Biotropica, 2011, 43, 473-479.	1.6	33
40	Castes in humivorous and litter-dwelling neotropical nasute termites (Isoptera, Termitidae). Insectes Sociaux, 1996, 43, 375-389.	1.2	32
41	Towards a revision of the Neotropical soldierless termites (Isoptera:Termitidae): redescription of the genus Anoplotermes and description of Longustitermes, gen. nov.. Invertebrate Systematics, 2010, 24, 357.	1.3	32
42	Asexual queen succession mediates an accelerated colony life cycle in the termite Silvestritermes minutus. Molecular Ecology, 2017, 26, 3295-3308.	3.9	32
43	Caste developmental pathways in colonies of Coptotermes lacteus (Froggatt) headed by primary reproductives (Isoptera, Rhinotermitidae). Insectes Sociaux, 1999, 46, 273-280.	1.2	31
44	Facultative asexual reproduction and genetic diversity of populations in the humivorous termite Cavitermes tuberosus. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160196.	2.6	31
45	Compositional and functional characterisation of biomass-degrading microbial communities in guts of plant fibre- and soil-feeding higher termites. Microbiome, 2020, 8, 96.	11.1	31
46	Coming out of the woods: do termites need a specialized worker caste to search for new food sources?. Die Naturwissenschaften, 2008, 95, 811-819.	1.6	29
47	Optimization of a metatranscriptomic approach to study the lignocellulolytic potential of the higher termite gut microbiome. BMC Genomics, 2017, 18, 681.	2.8	29
48	Differentiation of worker-derived intercastes and precocious imagoes after queen removal in the Neo-Guinean termiteNasutitermes princeps (Desneux). Journal of Morphology, 1986, 189, 281-293.	1.2	28
49	Caste sex ratios, sex linkage, and reproductive strategies in termites. Insectes Sociaux, 2001, 48, 224-230.	1.2	28
50	Epoxytetrahydroedulan, a New Terpenoid from the Hairpencils of Euploea (Lep.: Danainae) Butterflies. Liebigs Annalen Der Chemie, 1989, 1989, 1195-1201.	0.8	27
51	Development of non-reproductive castes in the neotropical termite generaCornitermes, Embiratermes andRhynchotermes (Isoptera, Nasutitermitinae). Insectes Sociaux, 1992, 39, 313-324.	1.2	27
52	Caste developmental potentialities in the termite Nasutitermes novarumhebridarum. Entomologia Experimentalis Et Applicata, 1987, 44, 277-287.	1.4	25
53	The monoterpenoid fraction of the defensive secretion in Nasutitermitinae from Papua New Guinea. Biochemical Systematics and Ecology, 1988, 16, 437-444.	1.3	25
54	Community interactions between ants and arboreal-nesting termites in New Guinea coconut plantations. Insectes Sociaux, 1999, 46, 126-130.	1.2	25

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55	Spatial and temporal foraging overlaps in a Chacoan ground-foraging ant assemblage. Journal of Arid Environments, 2007, 71, 29-44.	2.4	24
56	Developmental pathways of Glossotermes oculatus (Isoptera, Serritermitidae): at the crossâ€roads of worker caste evolution in termites. Evolution & Development, 2009, 11, 659-668.	2.0	24
57	Sesquiterpenes in the frontal gland secretions of nasute soldier termites from New Guinea. Journal of Chemical Ecology, 1993, 19, 2865-2879.	1.8	23
58	Temporal and geographic variations in the morphology and chemical composition of the frontal gland in imagoes of Prorhinotermes species (Isoptera: Rhinotermitidae). Biological Journal of the Linnean Society, 0, 98, 384-392.	1.6	23
59	Towards a revision of the Neotropical soldierless termites (Isoptera: Termitidae): redescription of the genusGrigiotermesâ€¦Mathews and description of five new genera. Zoological Journal of the Linnean Society, 2016, 176, 15-35.	2.3	23
60	(+)-Î±-Pinene in the defensive secretion ofNasutitermes princeps (Isoptera, Termitidae). Experientia, 1990, 46, 227-230.	1.2	22
61	The nasute termites (Isoptera : Nasutitermitinae) of Papua New Guinea. Invertebrate Systematics, 1996, 10, 507.	1.3	22
62	Origin of male-biased sex allocation in orphaned colonies of the termite, Coptotermes lacteus. Behavioral Ecology and Sociobiology, 2002, 51, 472-479.	1.4	22
63	Insights into the termite assemblage of a neotropical rainforest from the spatioâ€temporal distribution of flying alates. Insect Conservation and Diversity, 2009, 2, 153-162.	3.0	22
64	Revision of the termite family Rhinotermitidae (Isoptera) in New Guinea. ZooKeys, 2011, 148, 55-103.	1.1	22
65	Termite Taxonomy, Challenges and Prospects: West Africa, A Case Example. Insects, 2019, 10, 32.	2.2	22
66	Ant diversity along a wide rainfall gradient in the Paraguayan dry Chaco. Journal of Arid Environments, 2010, 74, 1149-1155.	2.4	21
67	Historical biogeography of the termite clade Rhinotermitinae (Blattodea: Isoptera). Molecular Phylogenetics and Evolution, 2019, 132, 100-104.	2.7	21
68	SYNONYMY OF TWO ARBOREAL TERMITES (ISOPTERA: TERMITIDAE: NASUTITERMITINAE): NASUTITERMES CORNIGER FROM THE NEOTROPICS AND N. POLYGYNUS FROM NEW GUINEA. Florida Entomologist, 2005, 88, 28-33.	0.5	20
69	Are the spatio-temporal dynamics of soil-feeding termite colonies shaped by intra-specific competition?. Ecological Entomology, 2011, 36, 776-785.	2.2	20
70	Farmersâ€™ perception of termites in agriculture production and their indigenous utilization in Northwest Benin. Journal of Ethnobiology and Ethnomedicine, 2017, 13, 64.	2.6	20
71	Not Only Soldiers Have Weapons: Evolution of the Frontal Gland in Imagoes of the Termite Families Rhinotermitidae and Serritermitidae. PLoS ONE, 2010, 5, e15761.	2.5	19
72	Soil properties only weakly affect subterranean ant distribution at small spatial scales. Applied Soil Ecology, 2012, 62, 163-169.	4.3	19

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73	Differential response of ants to nutrient addition in a tropical Brown Food Web. Soil Biology and Biochemistry, 2012, 46, 10-17.	8.8	19
74	Delineating species boundaries using an iterative taxonomic approach: The case of soldierless termites (Isoptera, Termitidae, Apicotermitinae). Molecular Phylogenetics and Evolution, 2013, 69, 694-703.	2.7	19
75	Molecular Mechanism of the Two-Component Suicidal Weapon ofNeocapritermes taracuaOld Workers. Molecular Biology and Evolution, 2016, 33, 809-819.	8.9	19
76	Soldier diterpene patterns in relation with aggressive behaviour, spatial distribution and reproduction of colonies in Nasutitermes princeps. Biochemical Systematics and Ecology, 1987, 15, 253-261.	1.3	18
77	Environmental Influences on the Arboreal Nesting Termite Community in New Guinean Coconut Plantations. Environmental Entomology, 1995, 24, 1442-1452.	1.4	18
78	Agonistic Behavior of the Termite Prorhinotermes canalifrons (Isoptera: Rhinotermitidae). Journal of Insect Behavior, 2008, 21, 521-534.	0.7	18
79	Rainfall Influences Ant Sampling in Dry Forests. Biotropica, 2008, 40, 590-596.	1.6	18
80	Polymorphism in the giant cocoa termite,Neotermes papua (Desneux). Insectes Sociaux, 1991, 38, 263-272.	1.2	17
81	Age-dependent changes in ultrastructure of the defensive glands of Neocapritermes taracua workers (Isoptera, Termitidae). Arthropod Structure and Development, 2014, 43, 205-210.	1.4	17
82	Change in termite communities along a chronosequence of mango tree orchards in the north of CÃ´te dâ€™Ivoire. Journal of Insect Conservation, 2016, 20, 1011-1019.	1.4	17
83	Split Sex Ratios in Perennial Social Hymenoptera: A Mixed Evolutionary Stable Strategy from the Queensâ€™ Perspective?. American Naturalist, 2003, 162, 624-637.	2.1	16
84	Nonadecadienone, a New Termite Trail-Following Pheromone Identified in Glossotermes oculatus (Serritermitidae). Chemical Senses, 2012, 37, 55-63.	2.0	16
85	Widespread occurrence of asexual reproduction in higher termites of the Termes group (Termitidae:) Tj ETQq1 1 0.784314 rgBT /Over	3.2	16
86	Bacteriome-associatedWolbachiaof the parthenogenetic termiteCavitermes tuberosus. FEMS Microbiology Ecology, 2019, 95, .	2.7	16
87	Influence of Soil Properties on Soldierless Termite Distribution. PLoS ONE, 2015, 10, e0135341.	2.5	16
88	Queen replacement in the termite Microcerotermes papuanus. Entomologia Experimentalis Et Applicata, 1990, 56, 83-90.	1.4	15
89	Reversibility of regressive molts in the termiteNeotermes papua. Die Naturwissenschaften, 1990, 77, 246-247.	1.6	13
90	Sex ratio and asymmetry between the sexes in the production of replacement reproductives in the termite,Neotermes papua(Desneux). Ethology Ecology and Evolution, 1991, 3, 327-335.	1.4	12

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91	2,5-Dialkyltetrahydrofurans, Common Components of the Cuticular Lipids of Lepidoptera. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1998, 53, 107-116.	1.4	12
92	Developmental Pathways of Psammotermes hybostoma (Isoptera: Rhinotermitidae): Old Pseudergates Make up a New Sterile Caste. PLoS ONE, 2012, 7, e44527.	2.5	12
93	Molecular Phylogeny Reveals the Past Transoceanic Voyages of Drywood Termites (Isoptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.9	12
94	Reproductive mechanisms and dynamics of habitat colonization inMicrocerotermes biroi(Isoptera: Termitidae). Ecological Entomology, 1996, 21, 178-184.	2.2	11
95	Generic Revision of the Smaller Nasute Termites of the Greater Antilles (Isoptera, Termitidae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	11
96	Armed reproductives: Evolution of the frontal gland in imagoes of Termitidae. Arthropod Structure and Development, 2013, 42, 339-348.	1.4	11
97	Phylogeny, biogeography and classification of Teletisoptera (Blattaria: Isoptera). Systematic Entomology, 2022, 47, 581-590.	3.9	11
98	Mitochondrial and chemical profiles reveal a new genus and species of Neotropical termite with snapping soldiers, Palmitermes impostor (Termitidae : Termitinae). Invertebrate Systematics, 2017, 31, 394.	1.3	10
99	Molecular phylogeny and historical biogeography of Apicotermitinae (Blattodea: Termitidae). Systematic Entomology, 2021, 46, 741-756.	3.9	10
100	Extreme Mandible Alteration and Cephalic Phragmosis in a Drywood Termite Soldier (Isoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.5	9
101	Farmers' knowledge and perceptions of termites as pests of yam (Dioscoreaspp.) in Central Benin. International Journal of Pest Management, 2016, 62, 75-84.	1.8	9
102	What makes the cost of brood care important for the evolution of termite sociality? Its insignificance. Ecological Entomology, 2016, 41, 31-33.	2.2	8
103	Dispersal and mating strategies in two neotropical soil-feeding termites, Embiratermes neotenicus and Silvestritermes minutus (Termitidae, Syntermitinae). Insectes Sociaux, 2018, 65, 251-262.	1.2	8
104	Phylogeny and revision of the â€˜<scp>Cubitermes</scp> complexâ€™ termites (<scp>Termitidae</scp>: <scp>Cubitermitinae</scp>). Systematic Entomology, 2021, 46, 224-238.	3.9	8
105	Soldier defensive secretion of three Amitermes species. Biochemical Systematics and Ecology, 1993, 21, 661-666.	1.3	7
106	Revision of the Termitinae with snapping soldiers (Isoptera: Termitidae) from New Guinea. Zootaxa, 2008, 1769, 1.	0.5	7
107	Two New Câ€20 Substituted Trinervitane Diterpenes from a Neoâ€Guinean Nasutitermes SP⁽¹⁾. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1986, 95, 915-919.	0.0	7
108	Development and characterization of microsatellite markers from the humivorous termite Cavitermes tuberosus (Isoptera: Termitinae) using pyrosequencing technology. Conservation Genetics Resources, 2015, 7, 521-524.	0.8	7

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109	Anatomical specializations of the gizzard in soil-feeding termites (Termitidae, Apicotermitinae): Taxonomical and functional implications. Arthropod Structure and Development, 2020, 57, 100942.	1.4	7
110	The genus Microcerotermes (Isoptera : Termitidae) in New Guinea and the Solomon Islands. Invertebrate Systematics, 2000, 14, 137.	1.3	6
111	Secondary queens in the parthenogenetic termite Cavitermes tuberosus develop through a transitional helper stage. Evolution & Development, 2017, 19, 253-262.	2.0	6
112	The role of high termitaria in the composition and structure of the termite assemblage in Miombo woodlands of southern Burundi. Insect Conservation and Diversity, 2017, 10, 120-128.	3.0	6
113	Nest composition, stable isotope ratios and microbiota unravel the feeding behaviour of an inquiline termite. Oecologia, 2019, 191, 541-553.	2.0	5
114	Role of Termite Mounds on the Distribution of Spiders in Miombo Woodland of South-Western Burundi. Arachnology, 2016, 17, 28-38.	0.4	4
115	Shortâ€term changes in the structure of termite assemblages associated with slashâ€andâ€burn agriculture in CÃ´te d'Ivoire. Biotropica, 2017, 49, 856-861.	1.6	4
116	Sex ratio variations among years and breeding systems in a facultatively parthenogenetic termite. Insectes Sociaux, 2019, 66, 129-138.	1.2	4
117	Spatial and functional structure of an entire ant assemblage in a lowland Panamanian rainforest. Basic and Applied Ecology, 2021, 56, 32-44.	2.7	4
118	Taxonomy, distribution and host specificity of the termitophile tribe Trichopseniini (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.7	3
119	Chemical systematics of Neotropical termite genera with symmetrically snapping soldiers (Termitidae:) Tj ETQq1 1 0.784314 rgBT /Over	2.3	3
120	Crop-gizzard content and volume variations among afrotropical Apicotermitinae (Blattodea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.2	3
121	Termite dispersal is influenced by their diet. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	3
122	Revision of the termitophilous tribe Pseudoperinthini (Coleoptera: Staphylinidae) in New Guinea. Insect Systematics and Evolution, 2006, 37, 443-456.	0.7	2
123	Cryptotermes (Isoptera, Kalotermitidae) on Espiritu Santo, Vanuatu: Redescription of Cryptotermes albipes (Holmgren & Holmgren) and description of Cryptotermes penaoru sp. n.. ZooKeys, 2011, 148, 31-40.	1.1	2
124	Distribution and Diversity of the Cryptic Ant GenusOxyepoecus(Hymenoptera: Formicidae: Myrmicinae) in Paraguay with Descriptions of Two New Species. Psyche: Journal of Entomology, 2012, 2012, 1-8.	0.9	2
125	Threeâ€dimensional visualization of termite (Apicotermitinae) enteric valve using confocal laser scanning microscopy. Journal of Microscopy, 2014, 255, 116-122.	1.8	2
126	Apicotermitinae. , 2021, , 69-72.		2

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127	Termites and maize crops: assemblage composition, damage level, and varietal sensitivity in contrasting agro-ecological zones of the Republic of Benin. International Journal of Pest Management, 0, , 1-18.	1.8	2
128	Colony founding by unassisted neotenics in a termite with pseudergates, Prorhinotermes canalifrons. Insectes Sociaux, 2016, 63, 163-167.	1.2	1
129	What factors influence the occurrence of Cubitermes pallidiceps in miombo woodlands in southwestern Burundi?. Pedobiologia, 2020, 80, 150646.	1.2	1
130	Effects of habitat loss on the genetic diversity of Embiratermes neotenicus (Isoptera) in a fragmented landscape of the Atlantic Forest, Brazil. Insect Conservation and Diversity, 2020, 13, 351-359.	3.0	1
131	Anenteotermes cherubimi sp. n., a tiny dehiscent termite from Central Africa (Termitidae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	1
132	Ebogotermes raphaeli, new genus and new species, an African soldierless termite described from the worker caste (Isoptera, Termitidae, Apicotermitinae). Zootaxa, 2021, 5067, 279-284.	0.5	1
133	Conservation management and termites: a case study from central CÃ´te dâ€™Ivoire (West Africa). Journal of Tropical Ecology, 2022, 38, 304-311.	1.1	1
134	Termite Feeding Syndromes. , 2021, , 947-952.		0
135	Caste: Termites. , 2021, , 198-205.		0
136	Caste: Termites. , 2020, , 1-8.		0
137	Termite Feeding Syndromes. , 2020, , 1-5.		0