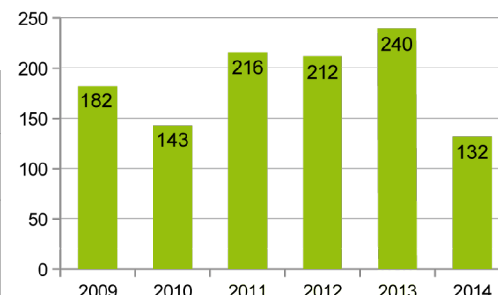


ANNEXE 7 - PUBLICATIONS SCIENTIFIQUES

1. Bilan quantitatif des publications de la FR AIB (2009 à juin 2014)

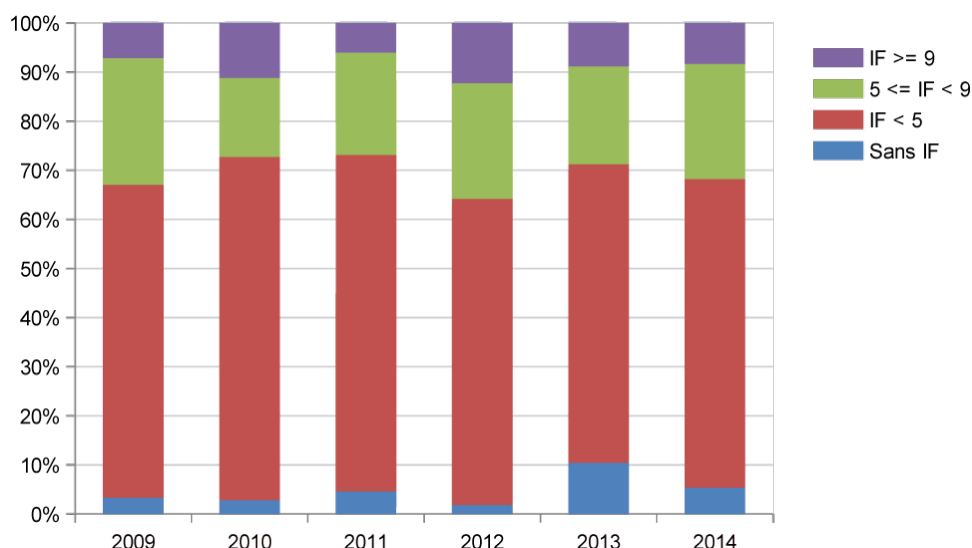
1.1. Nombre de publications par type

	2009	2010	2011	2012	2013	2014	Total
Revues scientifiques	182	143	216	212	240	132	1125
Ouvrages et chapitres d'ouvrages	6	5	1	4	9	9	34



1.2. Nombre par tranches de facteur d'impact

	2009	2010	2011	2012	2013	2014 janv. à juin	Total
IF ≥ 9	13	16	13	26	21	11	100
5 $\leq$ IF < 9	47	23	45	50	48	31	244
IF < 5	116	100	148	132	146	83	725
revues sans IF	6	4	10	4	25	7	56



1.3. Nombre de publications inter-unités

2009	2010	2011	2012	2013	2014 janv. à juin	Total
7	10	16	16	27	12	88

2. Publications à facteur d'impact supérieur à 9

2014

IF	Publication
17,949	Baker TR, Pennington RT, Magallon S, Gloor E, Laurance WF, Alexiades M, Alvarez E, Araujo A, Arets EJJM, Aymard G, Alves de Oliveira A, Amaral I, Arroyo L, Bonal D, Brienen RJW, Chave J, Dexter KG, Di Fiore A, Eler E, Feldpausch TR, Ferreira L, Lopez-Gonzalez G, van der Heijden G, Higuchi N, Honorio E, Huamantupa I, Killeen TJ, Laurance S, Leano C, Lewis SL, Malhi Y, Schwantes Marimon B, Marimon Junior BH, Monteagudo Mendoza A, Neill D, Penuela-Mora MC, Pitman N, Prieto A, Quesada CA, Ramirez F, Ramirez Angulo H, Rudas A, Ruschel AR, Salomao RP, Segalin de Andrade A, Natalino J, Silva M, Silveira M, Simon MF, Spironello W, ter Steege H, Terborgh J, Toledo M, Torres-Lezama A, Vasquez R, Guimaraes Vieira IC, Vilanova E, Vos VA, Phillips OL (2014). Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 17: 527-536.
10,015	Cheeseman K, Ropars J, Renault P, Dupont J, Gouzy J, Branca A, Abraham A-L, Ceppi M, Conseiller E, Debuchy R, Malagnac F, Goarin A, Silar P, Lacoste S, Sallet E, Bensimon A, Giraud T, Brygoo Y (2014). Multiple recent horizontal transfers of a large genomic region in cheese making fungi. <i>Nature Communications</i> , 5: 2876.
31,027	Choulet F, Alberti A, Theil S, Natasha Glover N, Barbe V, Daron J, Pingault L, Sourdille P, Couloux A, Paux E, Leroy P, Mangenot S, Guilhot N, Le Gouis J, Balfourier F, Alaux M, Jamilloux V, Poulain J, Durand C, Bellec A, Gaspin C, Safar J, Jaroslav Dolezel J, Rogers J, Vandepoele K, Aury JM, Klaus Mayer K, Berges H, Quesneville HH, Wincker P, Feuillet C (2014). Structural and functional partitioning of bread wheat chromosome 3B. <i>Science</i> , [In press].
17,949	Haegeman B, Loreau M (2014a). General relationships between consumer dispersal, resource dispersal and metacommunity diversity. <i>Ecology Letters</i> , 17: 175-184.
38,597	Karasov T, Kniskern J, Gao L, DeYoung B, Ding J, Dubiella U, Lastra R, Nallu S, Roux F, Innes R, Barrett L, Hudson R, Bergelson J (2014). The long-term maintenance of a resistance polymorphism through diffuse interactions. <i>Nature</i> , [in press].
14,472	Legagneux P, Gauthier G, Lecomte N, Schmidt NM, Reid D, Cadieux MC, Berteaux D, Bety J, Krebs CJ, Ims RA, Yoccoz NG, Morrison RIG, Leroux SJ, Loreau M, Gravel D (2014). Arctic ecosystem structure and functioning shaped by climate and herbivore body size. <i>Nature Climate Change</i> , 4: 379-383.
10,353	Lloyd AH, Ranoux M, Vautrin S, Glover N, Fourment J, Charif D, Choulet F, Lassalle G, Marande W, Tran J, Granier F, Pingault L, Remay A, Marquis C, Belcram H, Chalhoub B, Feuillet C, Bergès H, Sourdille P, Jenczewski E (2014). Meiotic gene evolution: can you teach a new dog new tricks? <i>Molecular Biology and Evolution</i> , Doi: 10.1093/molbev/msu119.
10,015	Miettinen K, Dong LM, Navrot N, Schneider T, Burlat V, Pollier J, Woittiez L, van der Krol S, Lugan R, Ilc T, Verpoorte R, Oksman-Caldentey KM, Martinoia E, Bouwmeester H, Goossens A, Memelink J, Werck-Reichhart D (2014). The seco-iridoid pathway from catharanthus roseus. <i>Nature Communications</i> , 5: 3606.
9,494	Pujol B, Marrot P, Pannell JR (2014). A quantitative genetic signature of senescence in a short-lived perennial plant. <i>Current Biology</i> , 24: 744-747.
12,861	Rivas S (2014). Regulation of plant stem cell quiescence by a novel Brassinosteroid signaling module. <i>Developmental Cell</i> , [in press].
31,027	Schwitzer C, Mittermeier RA, Johnson SE, Donati G, Irwin M, Peacock H, Ratsimbazafy J, Razafindramanana J, Louis EE, Jr., Chikhi L, Colquhoun IC, Tinsman J, Dolch R, LaFleur M, Nash S, Patel E, Randrianambinina B, Rasolofoharivelo T, Wright PC (2014). Averting lemur extinctions amid madagascar's political crisis. <i>Science</i> , 343: 842-843.

IF	Publication
10,256	Baguette M, Blanchet S, Legrand D, Stevens VM, Turlure C (2013a) Individual dispersal, landscape connectivity and ecological networks. <i>Biological Reviews</i> , 88: 310-326.
9,251	Cesari S, Thilliez G, Ribot C, Chalvon V, Michel C, Jauneau A, Rivas S, Alaux L, Kanzaki H, Okuyama Y, Morel JB, Fournier E, Tharreau D, Terauchi R, Kroj T (2013). The rice resistance protein pair RGA4/RGA5 recognizes the Magnaporthe oryzae effectors AVR-Pia and AVR1-CO39 by direct binding. <i>Plant Cell</i> , 25: 1463-1481.
9,737	Chakrabarti M, Zhang N, Sauvage C, Muños S, Blanca J, Cañizares J, Diez MJ, Schneider R, Mazourek M, McClead J, Causse M, van der Knaap E (2013). A cytochrome P450 regulates a domestication trait in cultivated tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 110: 17125-30.
17,949	Chave J (2013). The problem of pattern and scale in ecology: what have we learned in 20 years? <i>Ecology Letters</i> , 16:4-16.
9,737	Christin P, Osborne C, Chatelet D, Columbus T, Besnard G, Hodkinson T, Vorontsova M, Edwards EJ (2013). Anatomical enablers and the evolution of C4 photosynthesis in grasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 110: 1381-1386.
15,389	Danchin E (2013). Avatars of information: Towards an inclusive evolutionary synthesis. <i>Trends in Ecology and Evolution</i> , 28: 351-358.
11,808	Delaux PM, Séjalon-Delmas N, Bécard G, Ané JM (2013). Evolution of the plant-microbe symbiotic 'toolkit'. <i>Trends in Plant Science</i> , 18: 298-304.
17,949	de Mazancourt C, Isbell F, Larocque A, Berendse F, De Luca E, Grace J, Haegeman B, Polley H, Roscher C, Schmid B, Tilman D, van Ruijven J, Weigelt A, Wilsey B, Loreau M (2013). Predicting ecosystem stability from community composition and biodiversity. <i>Ecology Letters</i> , 16: 617-625.
11,808	Gough C, Jacquet C (2013). Nod factor perception protein carries weight in biotic interactions. <i>Trends in Plant Science</i> , 18: 566-574.
11,808	Laloum T, De Mita S, Gamas P, Baudin M, Niebel A (2013). CCAAT-box binding transcription factors in plants: Y so many? <i>Trends in Plant Science</i> , 18: 157-166.
10,256	Loreau M, Daufresne T, Gonzalez A, Gravel D, Guichard F, Leroux SJ, Loeuille N, Massol F, Mouquet N (2013). Unifying sources and sinks in ecology and Earth sciences. <i>Biological Reviews</i> , 88: 365-379.
17,949	Loreau M, de Mazancourt C (2013). Biodiversity and ecosystem stability: a synthesis of underlying mechanisms. <i>Ecology Letters</i> , 16: 106-115.
10,015	Marino D, Froidure S, Canonne J, Ben Khaled S, Khafif M, Jauneau A, Pouzet C, Roby D, Rivas S (2013). Arabidopsis ubiquitin-ligase MIEL1 mediates degradation of the transcription factor MYB30 weakening plant defense. <i>Nature Communications</i> , 4: 1476.
12,690	Mouillot D, Bellwood DR, Baraloto C, Chave J, Galzin R, Harmelin-Vivien M, Kulbicki M, Lavergne S, Lavorel S, Mouquet N, Paine CET, Renaud J, Thuiller W (2013a). Rare species support vulnerable functions in high-diversity ecosystems. <i>Plos Biology</i> , 11: e1001569.
15,389	Mouillot D, Graham NAJ, Villeger S, Mason NWH, Bellwood DR (2013b). A functional approach reveals community responses to disturbances. <i>Trends in Ecology and Evolution</i> , 28: 167-177.
10,288	Pais M, Win J, Yoshida K, Etherington GJ, Cano LM, Raffaele S, Banfield MJ, Jones A, Kamoun S, Saunders DGO (2013). From pathogen genomes to host plant processes: The power of plant parasitic oomycetes. <i>Genome Biology</i> , 14: 211.

10,288	Philippe R, Paux E, Bertin I, Sourdille P, Choulet F, Laugier C, Simkova H, Safar J, Bellec A, Vautrin S, Frenkel Z, Cattonaro F, Magni F, Scalabrin S, Martis MM, Mayer KF, Korol A, Berges H, Dolezel J, Feuillet C (2013). A high density physical map of chromosome 1BL supports evolutionary studies, map-based cloning and sequencing in wheat. Genome Biology , 14: R64.
10,288	Raats D, Frenkel Z, Krugman T, Dodek I, Sela H, Imková H, Magni F, Cattonaro F, Vautrin S, Bergès H, Wicker T, Keller B, Leroy P, Philippe R, Paux E, Dole El J, Feuillet C, Korol A, Fahima T (2013). The physical map of wheat chromosome 1BS provides insights into its gene space organization and evolution. Genome Biology , 14: R138.
10,015	Ranocha P, Dima O, Nagy R, Felten J, Corratge-Faillie C, Novak O, Morreel K, Lacombe B, Martinez Y, Pfrunder S, Jin X, Renou J-P, Thibaud J-B, Ljung K, Fischer U, Martinoia E, Boerjan W, Goffner D (2013). Arabidopsis wat1 is a vacuolar auxin transport facilitator required for auxin homeostasis. Nature Communications , 4: 2625.
31,027	ter Steege H, Nigel CA, Sabatier D, Baraloto C, Salomao RP, Guevara JE, Phillips OL, Castilho CV, Magnusson WE, Molino JF, Monteagudo A, Vargas PN, Montero JC, Feldpausch TR, Coronado ENH, Killeen TJ, Mostacedo B, Vasquez R, Assis RL, Terborgh J, Wittmann F, Andrade A, Laurance WF, Laurance SGW, Marimon BS, Marimon BH, Vieira ICG, Amaral IL, Brien R, Castellanos H, Lopez DC, Duivenvoorden JF, Mogollon HF, Matos FDD, Davila N, Garcia-Villacorta R, Diaz PRS, Costa F, Emilio T, Levis C, Schietti J, Souza P, Alonso A, Dallmeier F, Montoya AJD, Piedade MTF, Araujo-Murakami A, Arroyo L, Gribel R, Fine PVA, Peres CA, Toledo M, Gerardo AAC, Baker TR, Ceron C, Engel J, Henkel TW, Maas P, Petronelli P, Stropp J, Zartman CE, Daly D, Neill D, Silveira M, Paredes MR, Chave J, Lima DD, Jorgensen PM, Fuentes A, Schongart J, Valverde FC, Di Fiore A, Jimenez EM, Mora MCP, Phillips JF, Rivas G, van Andel TR, von Hildebrand P, Hoffman B, Zent EL, Malhi Y, Prieto A, Rudas A, Ruschell AR, Silva N, Vos V, Zent S, Oliveira AA, Schutz AC, Gonzales T, Nascimento MT, Ramirez-Angulo H, Sierra R, Tirado M, Medina MNU, van der Heijden G, Vela CIA, Torre EV, Vriesendorp C, Wang O, Young KR, Baider C, Balslev H, Ferreira C, Mesones I, Torres-Lezama A, Giraldo LEU, Zagt R, Alexiades MN, Hernandez L, Huamantupa-Chuquimaco I, Milliken W, Cuenca WP, Pauletto D, Sandoval EV, Gamarra LV, Dexter KG, Feeley K, Lopez-Gonzalez G, Silman MR (2013). Hyperdominance in the amazonian tree flora. Science , 342: 325-+. Doi:10.1126/science.1243092.
9,737	Tisserant E, Malbreil M, Kuo A, Kohler A, Symeonidi A, Balestrini R, Charron P, Duensing N, Frei Dit Frey N, Gianinazzi-Pearson V, Gilbert LB, Handa Y, Herr JR, Hijri M, Koul R, Kawaguchi M, Krajinski F, Lammers PJ, Masclaux FG, Murat C, Morin E, Ndikumana S, Pagni M, Petitpierre D, Requena N, Rosikiewicz P, Riley R, Saito K, San Clemente H, Shapiro H, van Tuinen D, Bécard G, Bonfante P, Paszkowski U, Shachar-Hill YY, Tuskan GA, Young PW, Sanders IR, Henrissat B, Rensing SA, Grigoriev IV, Corradi N, Roux C, Martin F (2013). Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. Proceedings of the National Academy of Sciences of the United States of America , 110 : 20117-20122.
17,949	Turnbull LA, Levine JM, Loreau M, Hector A (2013). Coexistence, niches and biodiversity effects on ecosystem functioning. Ecology Letters , 16: 116-127.

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9,251	Ariel F, Brault-Hernandez M, Laffont C, Huault E, Brault M, Plet J, Moison M, Blanchet S, Ichante JL, Chabaud M, Carrere S, Crespi M, Chan RL, Frugier F (2012). Two direct targets of cytokinin signaling regulate symbiotic nodulation in medicago truncatula. <i>Plant Cell</i> , 24: 3838-3852.
10,256	Bonte D, Van Dyck H, Bullock JM, Coulon A, Delgado M, Gibbs M, Lehouck V, Matthysen E, Mustin K, Saastamoinen M, Schtickzelle N, Stevens VM, Vandewoestijne S, Baguette M, Barton K, Benton TG, Chaput-Bardy A, Clobert J, Dytham C, Hovestadt T, Meier CM, Palmer SC, Turlure C, Travis JM (2012). Costs of dispersal. <i>Biological Reviews</i> , 87: 290-312.
38,597	Cardinale BJ, Duffy JE, Gonzalez A, Hooper DU, Perrings C, Venail P, Narwani A, Mace GM, Tilman D, Wardle DA, Kinzig AP, Daily GC, Loreau M, Grace JB, Larigauderie A, Srivastava DS, Naeem S (2012). Biodiversity loss and its impact on humanity. <i>Nature</i> , 486: 59-67.
9,494	Christin PA, Edwards EJ, Besnard G, Boxall S, Gregory R, Kellogg EA, Hartwell J, Osborne CP (2012). Adaptive evolution of C4 photosynthesis through recurrent lateral gene transfer. <i>Current Biology</i> , 22: 445-449.
10,822	Courilleau C, Chailleux C, Jauneau A, Grimal F, Briois S, Boutet-Robinet E, Boudsocq F, Trouche D, Canitrot Y (2012). The chromatin remodeler p400 ATPase facilitates Rad51-mediated repair of DNA double-strand breaks. <i>Journal of Cell Biology</i> , 199: 1067-1081.
11,808	Deslandes L, Rivas S (2012). Catch me if you can: bacterial effectors and plant targets. <i>Trends in Plant Science</i> , 17:644-655.
17,949	Ewen JG, Bensch S, Blackburn TM, Bonneaud C, Brown R, Cassey P, Clarke RH, Perez-Tris J (2012). Establishment of exotic parasites: The origins and characteristics of an avian malaria community in an isolated island avifauna. <i>Ecology Letters</i> , 15: 1112-1119.
10,229	Génin S, Denny TP (2012). Pathogenomics of the ralstonia solanacearum species complex. <i>Annual Review of Phytopathology</i> , 50: 67-89.
38,597	Geu-Flores F, Sherden NH, Courdavault V, Burlat V, Glenn WS, Wu C, Nims E, Cui Y, O'Connor SE (2012). An alternative route to cyclic terpenes by reductive cyclization in iridoid biosynthesis. <i>Nature</i> , 492 :138-142.
9,737	Kaniewski D, Van Campo E, Weiss H (2012). Drought is a recurring challenge in the Middle East. <i>Proceedings of the National Academy of Sciences</i> of the United States of America, 109: 3862-3867.
10,256	Kaniewski D, Van Campo E, Boiy T, Terral JF, Khadari B, Besnard G. (2012). Primary domestication and early uses of the emblematic olive tree: palaeobotanical, historical and molecular evidences from the Middle East. <i>Biological Reviews</i> , 87: 885-899.
17,949	Lahdenpera M, Gillespie DOS, Lummaa V, Russell AF (2012). Severe intergenerational reproductive conflict and the evolution of menopause. <i>Ecology Letters</i> , 15: 1283-1290.
11,808	Laloum T, De Mita S, Gamas P, Baudin M, Niebel A (2012). CCAAT-box binding transcription factors in plants: Y so many? <i>Trends in Plant Science</i> , [2012 Aug 29. Epub ahead of print].
23,565	Legrand D, Guillaume O, Baguette M, Cote J, Trochet A, Calvez O, Zajitschek S, Zajitschek F, Lecomte J, Benard Q, Le Galliard JF, Clobert J (2012). The Metatron: An experimental system to study dispersal and metaecosystems for terrestrial organisms. <i>Nature Methods</i> , 9: 828-833.
11,808	Marino D, Dunand C, Puppo A, Pauly N (2012a). A burst of plant nadph oxidases. <i>Trends in Plant Science</i> , 17: 9-15.

38,597	Mayer KFX, Waugh R, Langridge P, Close TJ, Wise RP, Graner A, Matsumoto T, Sato K, Schulman A, Muehlbauer GJ, Stein N, Ariyadasa R, Schulte D, Poursarebani N, Zhou RN, Steuernagel B, Mascher M, Scholz U, Shi BJ, Madishetty K, Svensson JT, Bhat P, Moscou M, Resnik J, Hedley P, Liu H, Morris J, Frenkel Z, Korol A, Berges H, Taudien S, Groth M, Felder M, Platzer M, Brown JWS, Fincher GB, Sampath D, Swarbreck D, Scalabrin S, Zuccolo A, Vendramin V, Morgante M, Int Barley Genome Sequencing C (2012). A physical, genetic and functional sequence assembly of the barley genome. Nature , 491: 711-716.
10,256	Mouquet N, Devictor V, Meynard CN, Munoz F, Bersier LF, Chave J, Couteron P, Dalecky A, Fontaine C, Gravel D, Hardy OJ, Jabot F, Lavergne S, Leibold M, Mouillot D, Munkemuller T, Pavoine S, Prinzing A, Rodrigues ASL, Rohr RP, Thebault E, Thuiller W (2012). Ecophylogenetics: advances and perspectives. Biological Reviews , 87:769-785.
17,949	Paine CET, Norden N, Chave J, Forget P-M, Fortunel C, Dexter KG, Baraloto C (2012). Phylogenetic density dependence and environmental filtering predict seedling mortality in a tropical forest. Ecology Letters , 15: 34-41.
9,737	Quéméré E, Amelot X, Pierson J, Crouau-Roy B, Chikhi L (2012). Genetic data suggest a natural prehuman origin of open habitats in northern Madagascar and question the deforestation narrative in this region. Proceedings of the National Academy of Sciences of the United States of America, 109: 13028-13033.
17,949	Rey O, Estoup A, Vonshak M, Loiseau A, Blanchet S, Calcaterra L, Chifflet L, Rossi J-P, Kergoat GJ, Foucaud J, Orivel J, Leponce M, Schultz T, Facon B (2012). Where do adaptive shifts occur during invasion? A multidisciplinary approach to unravelling cold adaptation in a tropical ant species invading the mediterranean area. Ecology Letters , 15: 1266-1275.
11,808	Ruan YL, Patrick JW, Bouzayen M, Osorio S, Fernie AR (2012). Molecular regulation of seed and fruit set. Trends in Plant Science , 17: 656-665.
38,597	Sato S, Tabata S, Hirakawa H, Causse M, Rothan C, Schiex T, Noirot C, Bellec A, Klopp C, Delalande C, Berges C, Mariette J, Frasse P, Vautrin S, Zouine M, Latché A, Rousseau C, Regad F, Pech JC, Philippot M, Bouzayen M, McLaren K, Nicholson C, Riddle C, Gianese G (2012). The tomato genome sequence provides insights into fleshy fruit evolution. Nature , 485: 635-641.
17,949	Stevens VM, Trochet A, Van Dyck H, Clobert J, Baguette M (2012). How is dispersal integrated in life histories: A quantitative analysis using butterflies. Ecology Letters , 15: 74-86.
9,737	Tian CF, Zhou YJ, Zhang YM, Li QQ, Zhang YZ, Li DF, Wang S, Wang J, Gilbert LB, Li YR, Chen WX (2012). Comparative genomics of rhizobia nodulating soybean suggests extensive recruitment of lineage-specific genes in adaptations. Proceedings of the National Academy of Sciences of the United States of America, 109: 8629-8634.
9,737	Tian CF, Garnerone AM, Mathieu-Demaziere C, Masson-Boivin C, Batut J (2012). Plant-activated bacterial receptor adenylate cyclases modulate epidermal infection in the Sinorhizobium meliloti-Medicago symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 109: 6751-6756.
11,202	Vasseur E, Boniotto M, Patin E, Laval G, Quach H, Manry J, Crouau-Roy B, Quintana-Murci L (2012). The evolutionary landscape of cytosolic microbial sensors in humans. American Journal of Human Genetics , 91: 27-37.

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35,209	Argout X, Salse J, Aury J-M, Guiltinan MJ, Droc G, Gouzy J, Allegre M, Chaparro C, Legavre T, Maximova S N, Abrouk M, Murat F, Fouet O, Poulain J, Ruiz M, Roguet Y, Rodier-Goud M, Barbosa-Neto, et al (2011). The genome of Theobroma cacao. Nature Genetics , 43: 101-108.
9,737	Bonneaud C, Balenger SL, Russell AF, Zhang J, Hill GE, Edwards SV (2011). Rapid evolution of disease resistance is accompanied by functional changes in gene expression in a wild bird. Proceedings of the National Academy of Sciences of the United States of America, 108: 7866-7871.
9,737	Branca A, Paape TD, Zhou P, Briskine R, Farmer AD, Mudge J, Bharti AK, Woodward JE, May GD, Gentzbittel L, Ben C, Denny R, Sadowsky MJ, Ronfort J, Bataillon T, Young ND, Tiffin P (2011). Whole-genome nucleotide diversity, recombination, and linkage disequilibrium in the model legume medicago truncatula. Proceedings of the National Academy of Sciences of the United States of America , 108: E864-E870
9,251	Canonne J, Marino D, Jauneau A, Pouzet C, Briere C, Roby D, Rivas S (2011). The xanthomonas type iii effector xopd targets the arabidopsis transcription factor myb30 to suppress plant defense. Plant Cell , 23: 3498-3511.
41,063	Danchin E, Charmantier A, Champagne FA, Mesoudi A, Pujol B, Blanchet S (2011). Beyond DNA: integrating inclusive inheritance into an extended theory of evolution. Nature Reviews Genetics , 12: 475-486.
31,027	Heidrich K, Wirthmueller L, Tasset C, Pouzet C, Deslandes L, Parker JE (2011). Arabidopsis EDS1 connects pathogen effector recognition to cell compartment-specific immune responses. Science , 334: 1401-1404.
17,949	Leprieur F, Tedesco PA, Hugueny B, Beauchard O, Durr HH, Brosse S, Oberdorff T (2011). Partitioning global patterns of freshwater fish beta diversity reveals contrasting signatures of past climate changes. Ecology Letters , 14: 325-334.
38,597	Maillet F, Poinot V, Andre O, Puech-Pages V, Haouy A, Gueunier M, Cromer L, Giraudet D, Formey D, Niebel A, Martinez EA, Driguez H, Becard G, Denarie J (2011). Fungal lipochitooligosaccharide symbiotic signals in arbuscular mycorrhiza. Nature , 469: 58-63.
9,737	Pillai P, Gonzalez A, Loreau M (2011). Metacommunity theory explains the emergence of food web complexity. Proceedings of the National Academy of Sciences of the United States of America, 108: 19293-19298.
9,737	Villegger S, Blanchet S, Beauchard O, Oberdorff T, Brosse S (2011). Homogenization patterns of the world's freshwater fish faunas. Proceedings of the National Academy of Sciences of the United States of America, 108: 18003-18008.
17,949	Villegger S, Novack-Gottshall PM, Mouillot D (2011). The multidimensionality of the niche reveals functional diversity changes in benthic marine biotas across geological time. Ecology Letters , 14: 561-568.
9,737	Willmann R, Lajunen HM, Erbs G, Newman M-A, Kolb D, Tsuda K, Katagiri F, Fliegmann J, Bono J-J, Cullimore JV, Jehle AK, Goetz F, Kulik A, Molinaro A, Lipka V, Gust AA, Nuernberger T (2011). Arabidopsis lysin-motif proteins LYM1 LYM3 CERK1 mediate bacterial peptidoglycan sensing and immunity to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 108: 19824-19829.
38,597	Young ND, Debelle F, Oldroyd GED, Geurts R, Cannon SB, Udvardi MK, Benedito VA, Mayer KFX, Gouzy J, Schoof H, et al (2011). The medicago genome provides insight into the evolution of rhizobial symbioses. Nature , 480: 520-524.

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17,949	Baraloto C, Paine CE, Poorter L, Beauchêne J, Bonal D, Domenach A-M, Hérault B, Patino S, Roggy J-C, Chave J (2010). Decoupled leaf and stem economics in rain forest trees. <i>Ecology Letters</i> , 13: 1338-1347.
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3. Publications Inter-unités

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Nars A, Lafitte C, Chabaud M, Drouillard S, Mélida H, Danoun S, Le Costaouëc T, Rey T, Benedetti J, Bulone V, Barker DG., Bono J-J, Dumas B, Jacquet C, Heux L, Fliegmann J, Bottin A (2013). Aphanomyces euteiches Cell Wall Fractions Containing Novel Glucan-Chitosaccharides Induce Defense Genes and Nuclear Calcium Oscillations in the Plant Host <i>Medicago truncatula</i> . <i>PloS One</i> , 8: e75039.	LRSV/LIPM
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Legrand D, Guillaume O, Baguette M, Cote J, Trochet A, Calvez O, Zajitschek S, Zajitschek F, Lecomte J, Benard Q, Le Galliard JF, Clobert J (2012). The Metatron: An experimental system to study dispersal and metaecosystems for terrestrial organisms. <i>Nature Methods</i> , 9: 828-833.	SEEM/EDB
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