Philippe Fort

List of Publications by Year in descending order

109 papers	8,876 citations	57758 44 h-index	42399 92 g-index
114 all docs	114 docs citations	114 times ranked	8315 citing authors

#	Article	IF	Citations
1	Various rat adult tissues express only one major mRNA species from the glyceraldehyde-3-phosphate-dehydrogenase multigenic family. Nucleic Acids Research, 1985, 13, 1431-1442.	14.5	2,147
2	Insecticide resistance in mosquito vectors. Nature, 2003, 423, 136-137.	27.8	546
3	Post-transcriptional regulation of glyceraldehyde-3-phosphate-dehydrogenase gene expression in rat tissues. Nucleic Acids Research, 1984, 12, 6951-6963.	14.5	486
4	Evolution of the Rho Family of Ras-Like GTPases in Eukaryotes. Molecular Biology and Evolution, 2007, 24, 203-216.	8.9	366
5	Worldwide migration of amplified insecticide resistance genes in mosquitoes. Nature, 1991, 350, 151-153.	27.8	283
6	Regulation of c-fosgene expression in hamster fibroblasts: initiation and elongation of transcription and mRNA degradation. Nucleic Acids Research, 1987, 15, 5657-5667.	14.5	241
7	A novel acetylcholinesterase gene in mosquitoes codes for the insecticide target and is nonâ€“homologous to theacegeneDrosophila. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2007-2016.	2.6	233
8	S26 ribosomal protein RNA: an invariant control for gene regulation experiments in eucaryotic cells and tissues. Nucleic Acids Research, 1993, 21, 1498-1498.	14.5	184
9	Sequence of a human immunoglobulin gamma 3 heavy chain constant region gene: comparison with the other human CÎ³genes. Nucleic Acids Research, 1986, 14, 1779-1789.	14.5	153
10	RhoG GTPase Controls a Pathway That Independently Activates Rac1 and Cdc42Hs. Molecular Biology of the Cell, 1998, 9, 1379-1394.	2.1	152
11	The Human Rho-GEF Trio and Its Target GTPase RhoG Are Involved in the NGF Pathway, Leading to Neurite Outgrowth. Current Biology, 2002, 12, 307-312.	3.9	147
12	MBNL1 and RBFOX2 cooperate to establish a splicing programme involved in pluripotent stem cell differentiation. Nature Communications, 2013, 4, 2480.	12.8	120
13	Complete nucleotide sequence of the messenger RNA coding for chicken muscle glyceraldehyde-3-phosphate dehydrogenase. Biochemical and Biophysical Research Communications, 1984, 118, 767-773.	2.1	111
14	Characterization of TCL, a New GTPase of the Rho Family related to TC10 and Cdc42. Journal of Biological Chemistry, 2000, 275, 36457-36464.	3.4	110
15	Tail regression inCiona intestinalis(Prochordate) involves a Caspase-dependent apoptosis event associated with ERK activation. Development (Cambridge), 2002, 129, 3105-3114.	2.5	109
16	Raf-MEK-Erk Cascade in Anoikis Is Controlled by Rac1 and Cdc42 via Akt. Molecular and Cellular Biology, 2001, 21, 6706-6717.	2.3	108
17	A fluorescent reporter gene as a marker for ventricular specification in ES-derived cardiac cells. FEBS Letters, 2000, 478, 151-158.	2.8	106
18	Critical Activities of Rac1 and Cdc42Hs in Skeletal Myogenesis: Antagonistic Effects of JNK and p38 Pathways. Molecular Biology of the Cell, 2000, 11, 2513-2528.	2.1	101

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19	The small GTPases Cdc42Hs, Rac1 and RhoG delineate Raf-independent pathways that cooperate to transform NIH3T3 cells. Current Biology, 1997, 7, 629-637.	3.9	100
20	Fossil Rhabdoviral Sequences Integrated into Arthropod Genomes: Ontogeny, Evolution, and Potential Functionality. Molecular Biology and Evolution, 2012, 29, 381-390.	8.9	100
21	A Cell Active Chemical GEF Inhibitor Selectively Targets the Trio/RhoG/Rac1 Signaling Pathway. Chemistry and Biology, 2009, 16, 657-666.	6.0	91
22	Distinct roles of Rac1/Cdc42 and Rho/Rock for axon outgrowth and nucleokinesis of precerebellar neurons toward netrin 1. Development (Cambridge), 2004, 131, 2841-2852.	2.5	83
23	Expression Profile of RhoGTPases and RhoGEFs During RANKL-Stimulated Osteoclastogenesis: Identification of Essential Genes in Osteoclasts. Journal of Bone and Mineral Research, 2006, 21, 1387-1398.	2.8	83
24	Characterization of the transcription products of glyceraldehyde 3-phosphate-dehydrogenase gene in HeLa cells. FEBS Journal, 1984, 145, 299-304.	0.2	79
25	Nucleotide Sequence and Complementation Analysis of a Polycistronic Sporulation Operon, spoVA, in Bacillus subtilis. Microbiology (United Kingdom), 1985, 131, 1091-1105.	1.8	78
26	Evolution of Proteasome Regulators in Eukaryotes. Genome Biology and Evolution, 2015, 7, 1363-1379.	2.5	77
27	Insecticide resistance: a silent base prediction. Current Biology, 2004, 14, R552-R553.	3.9	76
28	The Tissue-Specific RNA Binding Protein T-STAR Controls Regional Splicing Patterns of Neurexin Pre-mRNAs in the Brain. PLoS Genetics, 2013, 9, e1003474.	3.5	74
29	Kinectin Is a Key Effector of RhoG Microtubule-Dependent Cellular Activity. Molecular and Cellular Biology, 2001, 21, 8022-8034.	2.3	73
30	Transposable element polymorphism of Wolbachia in the mosquito Culex pipiens: evidence of genetic diversity, superinfection and recombination. Molecular Ecology, 2005, 14, 1561-1573.	3.9	72
31	Applying ecological and evolutionary theory to cancer: a long and winding road. Evolutionary Applications, 2013, 6, 1-10.	3.1	70
32	Tara up-regulates E-cadherin transcription by binding to the Trio RhoGEF and inhibiting Rac signaling. Journal of Cell Biology, 2011, 193, 319-332.	5.2	63
33	Duplicated sporulation genes in bacteria. FEBS Letters, 1985, 188, 184-188.	2.8	62
34	The GTP/GDP Cycling of Rho GTPase TCL Is an Essential Regulator of the Early Endocytic Pathway. Molecular Biology of the Cell, 2003, 14, 4846-4856.	2.1	61
35	The gene for a new brain specific RhoA exchange factor maps to the highly unstable chromosomal region 1p36.2â€“1p36.3.. Oncogene, 2001, 20, 7307-7317.	5.9	60
36	The RPAP3-Cterminal domain identifies R2TP-like quaternary chaperones. Nature Communications, 2018, 9, 2093.	12.8	59

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37	A Dual Role of the GTPase Rac in Cardiac Differentiation of Stem Cells. Molecular Biology of the Cell, 2003, 14, 2781-2792.	2.1	58
38	Cdc42Hs and Rac1 GTPases Induce the Collapse of the Vimentin Intermediate Filament Network. Journal of Biological Chemistry, 2000, 275, 33046-33052.	3.4	57
39	Variability and Expression of Ankyrin Domain Genes in Wolbachia Variants Infecting the Mosquito Culex pipiens. Journal of Bacteriology, 2007, 189, 4442-4448.	2.2	54
40	Cloning and regulation of a mRNA specifically expressed in the preadipose state. Journal of Biological Chemistry, 1989, 264, 10119-25.	3.4	52
41	Hypervariable prophage WO sequences describe an unexpected high number of Wolbachia variants in the mosquito Culex pipiens. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 495-502.	2.6	49
42	Influence of aging on cytoplasmic incompatibility, sperm modification and Wolbachia density in Culex pipiens mosquitoes. Heredity, 2007, 98, 368-374.	2.6	49
43	Wolbachia Divergence and the Evolution of Cytoplasmic Incompatibility in Culex pipiens. PLoS ONE, 2014, 9, e87336.	2.5	48
44	Antagonistic functions of <scp>LMNA</scp> isoforms in energy expenditure and lifespan. EMBO Reports, 2014, 15, 529-539.	4.5	47
45	The Evolutionary Landscape of Dbl-Like RhoGEF Families: Adapting Eukaryotic Cells to Environmental Signals. Genome Biology and Evolution, 2017, 9, 1471-1486.	2.5	47
46	RhoG regulates gene expression and the actin cytoskeleton in lymphocytes. Oncogene, 2003, 22, 330-342.	5.9	46
47	The small GTPase RhoV is an essential regulator of neural crest induction in Xenopus. Developmental Biology, 2007, 310, 113-128.	2.0	46
48	Multiple Wolbachia determinants control the evolution of cytoplasmic incompatibilities in Culex pipiens mosquito populations. Molecular Ecology, 2011, 20, 286-298.	3.9	46
49	Trio Controls the Mature Organization of Neuronal Clusters in the Hindbrain. Journal of Neuroscience, 2007, 27, 10323-10332.	3.6	43
50	Identification of TRIO-GEFD1 chemical inhibitors using the yeast exchange assay. Biology of the Cell, 2006, 98, 511-522.	2.0	41
51	MiniSOX9, a dominant-negative variant in colon cancer cells. Oncogene, 2011, 30, 2493-2503.	5.9	35
52	Tail regression in Ciona intestinalis (Prochordate) involves a Caspase-dependent apoptosis event associated with ERK activation. Development (Cambridge), 2002, 129, 3105-14.	2.5	35
53	Complete Sequence of Cytochrome P450 3c cDNA and Presence of Two mRNA Species with 3â€² Untranslated Regions of Different Lengths. DNA and Cell Biology, 1988, 7, 39-46.	5.2	34
54	Extinction of Rac1 and Cdc42Hs signalling defines a novel p53-dependent apoptotic pathway. Oncogene, 2000, 19, 2377-2385.	5.9	34

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55	Activity of the RhoU/Wrch1 GTPase is critical for cranial neural crest cell migration. Developmental Biology, 2011, 350, 451-463.	2.0	33
56	Concerted evolution in the GAPDH family of retrotransposed pseudogenes. Mammalian Genome, 1993, 4, 695-703.	2.2	32
57	Activation of ERK, Controlled by Rac1 and Cdc42 via Akt, Is Required for Anoikis. Annals of the New York Academy of Sciences, 2002, 973, 145-148.	3.8	32
58	Selection of Seedlings of Thymus Vulgaris by Grazing Slugs. Journal of Ecology, 1983, 71, 299.	4.0	31
59	A Simple Luciferase Assay for Signal Transduction Activity Detection of Epidermal Growth Factor Displayed on Phage. Nucleic Acids Research, 1997, 25, 1585-1590.	14.5	31
60	Participation of small GTPases Rac1 and Cdc42Hs in myoblast transformation. Oncogene, 2002, 21, 2901-2907.	5.9	31
61	A Delayed-early Response Nuclear Gene Encoding MRPL12, the Mitochondrial Homologue to the Bacterial Translational Regulator L7/L12 Protein. Journal of Biological Chemistry, 1996, 271, 11468-11476.	3.4	30
62	A Presumptive Developmental Role for a Sea Urchin Cyclin B Splice Variant. Journal of Cell Biology, 1998, 140, 283-293.	5.2	30
63	SOX9 has distinct regulatory roles in alternative splicing and transcription. Nucleic Acids Research, 2018, 46, 9106-9118.	14.5	30
64	PIP30/FAM192A is a novel regulator of the nuclear proteasome activator PA28Î³. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6477-E6486.	7.1	29
65	Requirements for c-fos mRNA down regulation in growth stimulated murine cells. Oncogene, 1989, 4, 881-8.	5.9	28
66	The caspase family in urochordates: distinct evolutionary fates in ascidians and larvaceans. Biology of the Cell, 2005, 97, 857-866.	2.0	26
67	Novel AChE Inhibitors for Sustainable Insecticide Resistance Management. PLoS ONE, 2012, 7, e47125.	2.5	26
68	Stable coexistence of incompatible Wolbachia along a narrow contact zone in mosquito field populations. Molecular Ecology, 2015, 24, 508-521.	3.9	25
69	New insights into the evolutionary conservation of the sole PIKK pseudokinase Tra1/TRRAP. Biochemical Society Transactions, 2019, 47, 1597-1608.	3.4	25
70	Structure and Chromosomal Assignment to 22q12 and 17qter of the ras-Related Rac2 and Rac3 Human Genes. Genomics, 1997, 44, 242-246.	2.9	23
71	TC10 controls human myofibril organization and is activated by the sarcomeric RhoGEF obscurin. Journal of Cell Science, 2009, 122, 947-956.	2.0	23
72	Structure of the Human ARHG Locus Encoding the Rho/Rac-like RhoG GTPase. Genomics, 1997, 42, 157-160.	2.9	22

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73	Ascidians as a vertebrateâ€like model organism for physiological studies of Rho GTPase signaling. Biology of the Cell, 2003, 95, 295-302.	2.0	22
74	Atypical RhoV and RhoU GTPases control development of the neural crest. Small GTPases, 2015, 6, 174-177.	1.6	22
75	Tissue-Specific Alternative Splicing of Tak1 Is Conserved in Deuterostomes. Molecular Biology and Evolution, 2012, 29, 261-269.	8.9	21
76	A SLM2 Feedback Pathway Controls Cortical Network Activity and Mouse Behavior. Cell Reports, 2016, 17, 3269-3280.	6.4	21
77	Sequence determinants of c-myc mRNA turn-over: influence of 3' and 5' non-coding regions. Oncogene Research, 1988, 3, 155-66.	1.2	20
78	The yeast exchange assay, a new complementary method to screen for Dbl-like protein specificity: identification of a novel RhoA exchange factor. FEBS Letters, 2000, 480, 287-292.	2.8	19
79	The regulatory strategies of c-myc and c-fos proto-oncogenes share some common mechanisms. Biochimie, 1988, 70, 877-884.	2.6	18
80	Expression and Human Chromosomal Localization to 17q25 of the Growth-Regulated Gene Encoding the Mitochondrial Ribosomal Protein MRPL12. Genomics, 1997, 41, 453-457.	2.9	17
81	Fertilization regulates apoptosis of Ciona intestinalis extra-embryonic cells through thyroxine (T4)-dependent NF-ÎºB pathway activation during early embryonic development. Developmental Biology, 2006, 289, 152-165.	2.0	17
82	Binding site density enables paralog-specific activity of SLM2 and Sam68 proteins in Neurexin2 AS4 splicing control. Nucleic Acids Research, 2017, 45, gkw1277.	14.5	16
83	Small GTPases of the Rho Family and Cell Transformation. Progress in Molecular and Subcellular Biology, 1999, 22, 159-181.	1.6	16
84	Nucleotide sequence of hamster glyceraldehyde-3-phosphate dehydrogenase mRNA. Nucleic Acids Research, 1990, 18, 3054-3054.	14.5	15
85	Dynamic expression patterns of RhoV/Chp and RhoU/Wrch during chicken embryonic development. Developmental Dynamics, 2008, 237, 1165-1171.	1.8	15
86	Role of RNA structures m c-myc and c-fos gene regulations. Gene, 1988, 72, 287-295.	2.2	14
87	Atypical RhoV and RhoU GTPases control development of the neural crest. Small GTPases, 2011, 2, 310-313.	1.6	14
88	PleiotRHOpic. Small GTPases, 2014, 5, e27975.	1.6	14
89	NOPCHAP1 is a PAQosome cofactor that helps loading NOP58 on RUVBL1/2 during box C/D snoRNP biogenesis. Nucleic Acids Research, 2021, 49, 1094-1113.	14.5	14
90	Expression of RhoB in the developing Xenopus laevis embryo. Gene Expression Patterns, 2007, 7, 282-288.	0.8	13

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91	High chlorpyrifos resistance in Culex pipiens mosquitoes: strong synergy between resistance genes. Heredity, 2016, 116, 224-231.	2.6	12
92	The atypical RhoU/Wrch1 Rho GTPase controls cell proliferation and apoptosis in the gut epithelium. Biology of the Cell, 2019, 111, 121-141.	2.0	11
93	Growth-Regulated Expression of FKBP-59 Immunophilin in Normal and Transformed Fibroblastic Cells. Experimental Cell Research, 1995, 220, 152-160.	2.6	10
94	Neural Differentiation Modulates the Vertebrate Brain Specific Splicing Program. PLoS ONE, 2015, 10, e0125998.	2.5	10
95	STARs in the CNS. Biochemical Society Transactions, 2016, 44, 1066-1072.	3.4	10
96	A warning on the use of synthetic DNA primers for initiation of reverse transcription on RNA templates: unexpected initiation at a mismatched nucleotide. Gene, 1982, 19, 321-326.	2.2	8
97	Effects of Transition Mutations in the Regulatory Locus spoIIA on the Incidence of Sporulation in Bacillus subtilis. Microbiology (United Kingdom), 1985, 131, 959-962.	1.8	8
98	Identification of Rho GTPases implicated in terminal differentiation of muscle cells in ascidia. Biology of the Cell, 2006, 98, 577-588.	2.0	8
99	Regulation of Src tumor activity by its N-terminal intrinsically disordered region. Oncogene, 2022, 41, 960-970.	5.9	8
100	Versatile vectors for pulsed expression in eukaryotic cells. Nucleic Acids Research, 1989, 17, 2874-2874.	14.5	7
101	Using a Modified Yeast Two-Hybrid System to Screen for Chemical GEF Inhibitors. Methods in Molecular Biology, 2012, 928, 81-95.	0.9	6
102	SHED-Dependent Oncogenic Signaling of the PEAK3 Pseudo-Kinase. Cancers, 2021, 13, 6344.	3.7	6
103	Localization of ARHG, a Member of the RAS Homolog Gene Family, to 11p15.5-11p15.4 by Fluorescence in Situ Hybridization. Genomics, 1993, 16, 788-790.	2.9	4
104	Targeting the Dbl and Dock-Family RhoGEFs. The Enzymes, 2013, 33 Pt A, 169-191.	1.7	3
105	Rho signaling: An historical and evolutionary perspective. , 2018, , 3-18.		2
106	Aspartateâ€phobia of thermophiles as a reaction to deleterious chemical transformations. BioEssays, 2022, 44, e2100213.	2.5	2
107	[18] Serum induction of RhoG expression. Methods in Enzymology, 1995, 256, 151-162.	1.0	0
108	Signalling pathways controlled by the GTPase RhoG. Biology of the Cell, 1999, 91, 551-552.	2.0	0

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109	Transduction du signal mitogÃ¨ne, cytosquelette et petites protÃ©ines G : vers un rÃ©seau de protÃ©ines GAP ?. Medecine/Sciences, 1993, 9, 59.	0.2	0