Diethard Tautz

List of Publications by Year in Descending Order

209 papers	23,224 citations	64 h-index	151 g-index
229 ext. papers	25,685 ext. citations	10.1 avg, IF	7.05 L-index

#	Paper	IF	Citations
209	Evolution of a New Testis-Specific Functional Promoter Within the Highly Conserved Gene of the Mouse.. *Frontiers in Genetics*, **2021**, 12, 812139	4.5	
208	The Effects of Sequence Length and Composition of Random Sequence Peptides on the Growth of Cells.. *Genes*, **2021**, 12,	4.2	5
207	Testing Implications of the Omnigenic Model for the Genetic Analysis of Loci Identified through Genome-wide Association. *Current Biology*, **2021**, 31, 1092-1098.e6	6.3	4
206	The imprinted lncRNA regulates sexual preference and the sex-specific brain transcriptome in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
205	Natural copy number variation of tandemly repeated regulatory SNORD RNAs leads to individual phenotypic differences in mice. *Molecular Ecology*, **2021**, 30, 4708-4722	5.7	1
204	Inbred lab mice are not isogenic: genetic variation within inbred strains used to infer the mutation rate per nucleotide site. *Heredity*, **2021**, 126, 107-116	3.6	8
203	The mutational load in natural populations is significantly affected by high primary rates of retroposition. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
202	A humanized version of Foxp2 affects ultrasonic vocalization in adult female and male mice. *Genes, Brain and Behavior*, **2021**, 20, e12764	3.6	2
201	Effects of the Expression of Random Sequence Clones on Growth and Transcriptome Regulation in .. *Genes*, **2021**, 13,	4.2	3
200	The amylase gene cluster in house mice (Mus musculus) was subject to repeated introgression including the rescue of a pseudogene. *BMC Evolutionary Biology*, **2020**, 20, 56	3	1
199	Population Genomics of the House Mouse and the Brown Rat. *Methods in Molecular Biology*, **2020**, 2090, 435-452	1.4	2
198	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines. *PLoS Computational Biology*, **2020**, 16, e1008354	5	2
197	Identification of a genetic network for an ecologically relevant behavioural phenotype in Drosophila melanogaster. *Molecular Ecology*, **2020**, 29, 502-518	5.7	1
196	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		
195	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		
194	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		
193	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		

192	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		
191	Dedicated transcriptomics combined with power analysis lead to functional understanding of genes with weak phenotypic changes in knockout lines **2020**, 16, e1008354		
190	Nova Acta Leopoldina: lebende Dokumente als neues Publikationsmodell. *BioSpektrum*, **2019**, 25, 107-107	0.7	1
189	Human core duplicon gene families: game changers or game players?. *Briefings in Functional Genomics*, **2019**, 18, 402-411	4.9	2
188	Effects of a male meiotic driver on male and female transcriptomes in the house mouse. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20191927	4.4	5
187	A de novo evolved gene in the house mouse regulates female pregnancy cycles. *ELife*, **2019**, 8,	8.9	15
186	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice. *Scientific Reports*, **2018**, 8, 5872	4.9	16
185	Meta-populational demes constitute a reservoir for large MHC allele diversity in wild house mice (). *Frontiers in Zoology*, **2018**, 15, 15	2.8	5
184	Using the Mus musculus hybrid zone to assess covariation and genetic architecture of limb bone lengths. *Molecular Ecology Resources*, **2018**, 18, 908-921	8.4	5
183	Dealing with the adaptive immune system during de novo evolution of genes from intergenic sequences. *BMC Evolutionary Biology*, **2018**, 18, 121	3	5
182	Reply to SNo beneficial fitness effects of random peptidesS *Nature Ecology and Evolution*, **2018**, 2, 1048	12.3	5
181	Involvement of SPATA31 copy number variable genes in human lifespan. *Aging*, **2018**, 10, 674-688	5.6	5
180	No Evidence for Phylostratigraphic Bias Impacting Inferences on Patterns of Gene Emergence and Evolution. *Molecular Biology and Evolution*, **2017**, 34, 843-856	8.3	51
179	Tracing the dynamics of gene transcripts after organismal death. *Open Biology*, **2017**, 7,	7	46
178	Random sequences are an abundant source of bioactive RNAs or peptides. *Nature Ecology and Evolution*, **2017**, 1, 0217	12.3	53
177	Automated Phenotyping Indicates Pupal Size in Is a Highly Heritable Trait with an Apparent Polygenic Basis. *G3: Genes, Genomes, Genetics*, **2017**, 7, 1277-1286	3.2	6
176	Segmental duplications and evolutionary acquisition of UV damage response in the SPATA31 gene family of primates and humans. *BMC Genomics*, **2017**, 18, 222	4.5	4
175	Craniofacial shape transition across the house mouse hybrid zone: implications for the genetic architecture and evolution of between-species differences. *Development Genes and Evolution*, **2016**, 226, 173-86	1.8	17

174	Genomic resources for wild populations of the house mouse, Mus musculus and its close relative Mus spretus. *Scientific Data*, **2016**, 3, 160075	8.2	67
173	Fast turnover of genome transcription across evolutionary time exposes entire non-coding DNA to de novo gene emergence. *ELife*, **2016**, 5, e09977	8.9	72
172	Divergence patterns of genic copy number variation in natural populations of the house mouse (Mus musculus domesticus) reveal three conserved genes with major population-specific expansions. *Genome Research*, **2015**, 25, 1114-24	9.7	55
171	Eurasian house mouse (Mus musculus L.) differentiation at microsatellite loci identifies the Iranian plateau as a phylogeographic hotspot. *BMC Evolutionary Biology*, **2015**, 15, 26	3	33
170	Molecular and phenotypic distinction of the very recently evolved insular subspecies Mus musculus helgolandicus ZIMMERMANN, 1953. *BMC Evolutionary Biology*, **2015**, 15, 160	3	12
169	Eco-genomic analysis of the poleward range expansion of the wasp spider Argiope bruennichi shows rapid adaptation and genomic admixture. *Global Change Biology*, **2015**, 21, 4320-32	11.4	41
168	Selective sweeps versus introgression - population genetic dynamics of the murine leukemia virus receptor Xpr1 in wild populations of the house mouse (Mus musculus). *BMC Evolutionary Biology*, **2015**, 15, 248	3	6
167	Mapping of Craniofacial Traits in Outbred Mice Identifies Major Developmental Genes Involved in Shape Determination. *PLoS Genetics*, **2015**, 11, e1005607	6	45
166	Semi-automatic landmark point annotation for geometric morphometrics. *Frontiers in Zoology*, **2014**, 11,	2.8	20
165	Use of a natural hybrid zone for genomewide association mapping of craniofacial traits in the house mouse. *Molecular Ecology*, **2014**, 23, 5756-70	5.7	41
164	A revised design for microarray experiments to account for experimental noise and uncertainty of probe response. *PLoS ONE*, **2014**, 9, e91295	3.7	15
163	Genomic networks of hybrid sterility. *PLoS Genetics*, **2014**, 10, e1004162	6	55
162	Copy number variants and selective sweeps in natural populations of the house mouse (Mus musculus domesticus). *Frontiers in Genetics*, **2014**, 5, 153	4.5	7
161	The discovery of de novo gene evolution. *Perspectives in Biology and Medicine*, **2014**, 57, 149-61	1.5	30
160	Genetic differentiation of hypothalamus parentally biased transcripts in populations of the house mouse implicate the Prader-Willi syndrome imprinted region as a possible source of behavioral divergence. *Molecular Biology and Evolution*, **2014**, 31, 3240-9	8.3	14
159	Evolution: dynamics of de novo gene emergence. *Current Biology*, **2014**, 24, R238-40	6.3	41
158	A role for ultrasonic vocalisation in social communication and divergence of natural populations of the house mouse (Mus musculus domesticus). *PLoS ONE*, **2014**, 9, e97244	3.7	49
157	One size does not fit all. *ELife*, **2014**, 3, e02088	8.9	

156	Quantitative shape analysis with weighted covariance estimates for increased statistical efficiency. *Frontiers in Zoology*, **2013**, 10, 16	2.8	1
155	Phylogenetic patterns of emergence of new genes support a model of frequent de novo evolution. *BMC Genomics*, **2013**, 14, 117	4.5	158
154	Exploring the effects of gene dosage on mandible shape in mice as a model for studying the genetic basis of natural variation. *Development Genes and Evolution*, **2013**, 223, 279-87	1.8	30
153	Paternal imprinting of mating preferences between natural populations of house mice (Mus musculus domesticus). *Molecular Ecology*, **2013**, 22, 2549-62	5.7	20
152	Evolutionary Origin of Orphan Genes **2013**,		5
151	Physico-chemical foundations underpinning microarray and next-generation sequencing experiments. *Nucleic Acids Research*, **2013**, 41, 2779-96	20.1	45
150	Increased mitochondrial mutation frequency after an island colonization: positive selection or accumulation of slightly deleterious mutations?. *Biology Letters*, **2013**, 9, 20121123	3.6	12
149	Animals in a bacterial world, a new imperative for the life sciences. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3229-36	11.5	1488
148	Northern range expansion of European populations of the wasp spider Argiope bruennichi is associated with global warming-correlated genetic admixture and population-specific temperature adaptations. *Molecular Ecology*, **2013**, 22, 2232-48	5.7	92
147	Parallel selection mapping using artificially selected mice reveals body weight control loci. *Current Biology*, **2012**, 22, 794-800	6.3	64
146	TINA manual landmarking tool: software for the precise digitization of 3D landmarks. *Frontiers in Zoology*, **2012**, 9, 6	2.8	23
145	Genome patterns of selection and introgression of haplotypes in natural populations of the house mouse (Mus musculus). *PLoS Genetics*, **2012**, 8, e1002891	6	105
144	Rapid formation of distinct hybrid lineages after secondary contact of two fish species (Cottus sp.). *Molecular Ecology*, **2011**, 20, 1475-91	5.7	53
143	The evolutionary origin of orphan genes. *Nature Reviews Genetics*, **2011**, 12, 692-702	30.1	461
142	Not just another genome. *BMC Biology*, **2011**, 9, 8	7.3	11
141	Micro-evolutionary divergence patterns of mandible shapes in wild house mouse (Mus musculus) populations. *BMC Evolutionary Biology*, **2011**, 11, 306	3	21
140	A comparative assessment of mandible shape in a consomic strain panel of the house mouse (Mus musculus)--implications for epistasis and evolvability of quantitative traits. *BMC Evolutionary Biology*, **2011**, 11, 309	3	17
139	A test of the neutral model of expression change in natural populations of house mouse subspecies. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 549-60	3.8	11

138	Nucleotide divergence vs. gene expression differentiation: comparative transcriptome sequencing in natural isolates from the carrion crow and its hybrid zone with the hooded crow. *Molecular Ecology*, **2010**, 19 Suppl 1, 162-75	5.7	114
137	A phylogenetically based transcriptome age index mirrors ontogenetic divergence patterns. *Nature* , **2010**, 468, 815-8	50.4	275
136	Copy number changes of CNV regions in intersubspecific crosses of the house mouse. *Molecular Biology and Evolution*, **2010**, 27, 1845-56	8.3	24
135	An evaluation of the use of the LSU rRNA D1-D5 domain for DNA-based taxonomy of eukaryotic protists. *Protist*, **2010**, 161, 342-52	2.5	32
134	Understanding the onset of hybrid speciation. *Trends in Genetics*, **2010**, 26, 54-8	8.5	162
133	House mouse colonization patterns on the sub-Antarctic Kerguelen Archipelago suggest singular primary invasions and resilience against re-invasion. *BMC Evolutionary Biology*, **2010**, 10, 325	3	63
132	Phylostratigraphic tracking of cancer genes suggests a link to the emergence of multicellularity in metazoa. *BMC Biology*, **2010**, 8, 66	7.3	169
131	The root of the East African cichlid radiations. *BMC Evolutionary Biology*, **2009**, 9, 186	3	80
130	Emergence of a new gene from an intergenic region. *Current Biology*, **2009**, 19, 1527-31	6.3	137
129	Selection on cis-regulatory variation at B4galnt2 and its influence on von Willebrand factor in house mice. *Molecular Biology and Evolution*, **2009**, 26, 567-78	8.3	19
128	Polycistronic peptide coding genes in eukaryotes--how widespread are they?. *Briefings in Functional Genomics & Proteomics*, **2009**, 8, 68-74		18
127	The genome of the model beetle and pest Tribolium castaneum. *Nature*, **2008**, 452, 949-55	50.4	1043
126	Tracing early stages of species differentiation: ecological, morphological and genetic divergence of Galβpagos sea lion populations. *BMC Evolutionary Biology*, **2008**, 8, 150	3	61
125	Simultaneous quantification of multiple nucleic acid targets in complex rRNA mixtures using high density microarrays and nonspecific hybridization as a source of information. *Journal of Microbiological Methods*, **2008**, 75, 92-102	2.8	9
124	An ancient evolutionary origin of genes associated with human genetic diseases. *Molecular Biology and Evolution*, **2008**, 25, 2699-707	8.3	133
123	Identification of selective sweeps in closely related populations of the house mouse based on microsatellite scans. *Genetics*, **2008**, 180, 1537-45	4	45
122	Delimiting the conserved features of hunchback function for the trunk organization of insects. *Development (Cambridge)*, **2008**, 135, 881-8	6.6	48
121	The role of the segmentation gene hairy in Tribolium. *Development Genes and Evolution*, **2008**, 218, 465-77	2.8	43

120	Galapagos and Californian sea lions are separate species: Genetic analysis of the genus Zalophus and its implications for conservation management. *Frontiers in Zoology*, **2007**, 4, 20	2.8	46
119	An evaluation of LSU rDNA D1-D2 sequences for their use in species identification. *Frontiers in Zoology*, **2007**, 4, 6	2.8	241
118	Tracing the first step to speciation: ecological and genetic differentiation of a salamander population in a small forest. *Molecular Ecology*, **2007**, 16, 4550-61	5.7	58
117	A pooling approach to detect signatures of selective sweeps in genome scans using microsatellites. *Molecular Ecology Notes*, **2007**, 7, 400-403		14
116	A phylostratigraphy approach to uncover the genomic history of major adaptations in metazoan lineages. *Trends in Genetics*, **2007**, 23, 533-9	8.5	242
115	Contrasting evolution of expression differences in the testis between species and subspecies of the house mouse. *Genome Research*, **2007**, 17, 42-9	9.7	56
114	Oligonucleotide microarrays: widely applied--poorly understood. *Briefings in Functional Genomics & Proteomics*, **2007**, 6, 141-8		52
113	Genome-wide acceleration of protein evolution in flies (Diptera). *BMC Evolutionary Biology*, **2006**, 6, 7	3	44
112	Tests of rRNA hybridization to microarrays suggest that hybridization characteristics of oligonucleotide probes for species discrimination cannot be predicted. *Nucleic Acids Research*, **2006**, 34, e66	20.1	91
111	An analysis of signatures of selective sweeps in natural populations of the house mouse. *Molecular Biology and Evolution*, **2006**, 23, 790-7	8.3	85
110	Phylogenomic analysis reveals bees and wasps (Hymenoptera) at the base of the radiation of Holometabolous insects. *Genome Research*, **2006**, 16, 1334-8	9.7	204
109	A segmentation gene in tribolium produces a polycistronic mRNA that codes for multiple conserved peptides. *Cell*, **2006**, 126, 559-69	56.2	113
108	her1 and her13.2 are jointly required for somitic border specification along the entire axis of the fish embryo. *Developmental Biology*, **2006**, 293, 242-51	3.1	24
107	Development of new microsatellite loci and evaluation of loci from other pinniped species for the Galapagos sea lion (Zalophus californianus wollebaeki). *Conservation Genetics*, **2006**, 7, 461-465	2.6	19
106	The B4galnt2 Regulatory Polymorphism, Mvwf1, Causes Low VWF Levels and Segregates in Natural Mouse Populations. *Blood*, **2006**, 108, 542-542	2.2	
105	Reverse taxonomy: an approach towards determining the diversity of meiobenthic organisms based on ribosomal RNA signature sequences. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 1917-24	5.8	130
104	Direct cloning of microsatellite loci from Cottus gobio through a simplified enrichment procedure. *Molecular Ecology Notes*, **2005**, 5, 628-636		38
103	Evolution of dorsal-ventral axis formation in arthropod appendages: H15 and optomotor-blind/bifid-type T-box genes in the millipede Glomeris marginata (Myriapoda: Diplopoda). *Evolution & Development*, **2005**, 7, 51-7	2.6	31

102	WHAT WE HAVE ALSO LEARNED: ADAPTIVE SPECTIATION IS THEORETICALLY PLAUSIBLE. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 691-695	3.8	50
101	Microsatellite variability in wild populations of the house mouse is not influenced by differences in chromosomal recombination rates. *Biological Journal of the Linnean Society*, **2005**, 84, 629-635	1.9	5
100	An algorithm for the determination and quantification of components of nucleic acid mixtures based on single sequencing reactions. *BMC Bioinformatics*, **2005**, 6, 281	3.6	6
99	An invasive lineage of sculpins, Cottus sp. (Pisces, Teleostei) in the Rhine with new habitat adaptations has originated from hybridization between old phylogeographic groups. *Proceedings of the Royal Society B: Biological Sciences*, **2005**, 272, 2379-87	4.4	153
98	WHAT WE HAVE ALSO LEARNED: ADAPTIVE SPECIATION IS THEORETICALLY PLAUSIBLE. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 691	3.8	5
97	What we have also learned: adaptive speciation is theoretically plausible. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 691-5; discussion 696-9	3.8	46
96	Adaptive divergence vs. environmental plasticity: tracing local genetic adaptation of metamorphosis traits in salamanders. *Molecular Ecology*, **2004**, 13, 1665-77	5.7	57
95	Isolation and characterization of polymorphic tetranucleotide microsatellite loci in the Fire salamander Salamandra salamandra (Amphibia: Caudata). *Molecular Ecology Notes*, **2004**, 4, 626-628		39
94	Separable stripe enhancer elements for the pair-rule gene hairy in the beetle Tribolium. *EMBO Reports*, **2004**, 5, 638-42	6.5	39
93	Of statistics and genomes. *Trends in Genetics*, **2004**, 20, 344-6	8.5	5
92	her11 is involved in the somitogenesis clock in zebrafish. *Development Genes and Evolution*, **2004**, 214, 393-406	1.8	35
91	Correlated evolution of synonymous and nonsynonymous sites in Drosophila. *Journal of Molecular Evolution*, **2004**, 59, 771-9	3.1	43
90	Segmentation. *Developmental Cell*, **2004**, 7, 301-12	10.2	110
89	Phylogeography and Patterns of Incipient Speciation **2004**, 305-321		3
88	Prospero and Snail expression during spider neurogenesis. *Development Genes and Evolution*, **2003**, 213, 554-66	1.8	26
87	Neurogenesis in the spider: new insights from comparative analysis of morphological processes and gene expression patterns. *Arthropod Structure and Development*, **2003**, 32, 5-16	1.8	32
86	Characterization of spotted hyena, Crocuta crocuta microsatellite loci. *Molecular Ecology Notes*, **2003**, 3, 360-362		15
85	The role of Suppressor of Hairless in Notch mediated signalling during zebrafish somitogenesis. *Mechanisms of Development*, **2003**, 120, 1083-94	1.7	47

84	Chordate evolution in a new light. *Cell*, **2003**, 113, 812-3	56.2	6
83	The expression of the proximodistal axis patterning genes Distal-less and dachshund in the appendages of Glomeris marginata (Myriapoda: Diplopoda) suggests a special role of these genes in patterning the head appendages. *Developmental Biology*, **2003**, 260, 97-112	3.1	86
82	A plea for DNA taxonomy. *Trends in Ecology and Evolution*, **2003**, 18, 70-74	10.9	648
81	Anterior and posterior waves of cyclic her1 gene expression are differentially regulated in the presomitic mesoderm of zebrafish. *Development (Cambridge)*, **2003**, 130, 4269-78	6.6	80
80	An evolutionary analysis of orphan genes in Drosophila. *Genome Research*, **2003**, 13, 2213-9	9.7	176
79	An algorithm and program for finding sequence specific oligonucleotide probes for species identification. *BMC Bioinformatics*, **2002**, 3, 9	3.6	18
78	The genetic population structure of the gray mouse lemur (Microcebus murinus), a basal primate from Madagascar. *Behavioral Ecology and Sociobiology*, **2002**, 52, 166-175	2.5	63
77	The impact of stocking on the genetic integrity of Arctic charr (Salvelinus) populations from the Alpine region. *Molecular Ecology*, **2002**, 11, 1017-27	5.7	37
76	DNA points the way ahead in taxonomy. *Nature*, **2002**, 418, 479	50.4	133
75	Molecular phylogeny of the salamandrid genus Neurergus: evidence for an intrageneric switch of reproductive biology. *Amphibia - Reptilia*, **2002**, 23, 419-431	1.2	23
74	The hidden matrilineal structure of a solitary lemur: implications for primate social evolution. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 1755-63	4.4	54
73	Homologues of c-hairy1 (her9) and lunatic fringe in zebrafish are expressed in the developing central nervous system, but not in the presomitic mesoderm. *Development Genes and Evolution*, **2001**, 211, 493-500	1.8	46
72	Genetic and ecological divergence of a monophyletic cichlid species pair under fully sympatric conditions in Lake Ejagham, Cameroon. *Molecular Ecology*, **2001**, 10, 1471-88	5.7	172
71	Mitochondrial protein phylogeny joins myriapods with chelicerates. *Nature*, **2001**, 413, 154-7	50.4	228
70	Neurogenesis in the spiderCupiennius salei. *Development (Cambridge)*, **2001**, 128, 2673-2688	6.6	77
69	Mitochondrial sequence analysis of Salamandra taxa suggests old splits of major lineages and postglacial recolonizations of central Europe from distinct source populations of Salamandra salamandra. *Molecular Ecology*, **2000**, 9, 397-410	5.7	174
68	A genetic uncertainty problem. *Trends in Genetics*, **2000**, 16, 475-7	8.5	45
67	Evolution of transcriptional regulation. *Current Opinion in Genetics and Development*, **2000**, 10, 575-9	4.9	142

66	Whole MountIn Situhybridization for the Detection of mRNA inDrosophilaEmbryos **2000**, 573-580		2
65	Intracommunity relationships, dispersal pattern and paternity success in a wild living community of Bonobos (Pan paniscus) determined from DNA analysis of faecal samples. *Proceedings of the Royal Society B: Biological Sciences*, **1999**, 266, 1189-95	4.4	181
64	Comparative molecular embryology of arthropods: the expression of Hox genes in the spider Cupiennius salei. *Invertebrate Reproduction and Development*, **1999**, 36, 203-209	0.7	13
63	A comparison of homologous developmental genes from Drosophila and Tribolium reveals major differences in length and trinucleotide repeat content. *Journal of Molecular Evolution*, **1999**, 49, 558-66	3.1	13
62	Segmentation gene expression in the mothmidge Clogmia albipunctata (Diptera, psychodidae) and other primitive dipterans. *Development Genes and Evolution*, **1999**, 209, 145-54	1.8	59
61	Ancient molecular parasites. *Trends in Genetics*, **1999**, 15, 221	8.5	
60	Abdominal-B expression in a spider suggests a general role for Abdominal-B in specifying the genital structure. *The Journal of Experimental Zoology*, **1999**, 285, 85-91		37
59	Elimination of EVE protein by CALI in the short germ band insect Tribolium suggests a conserved pair-rule function for even skipped. *Mechanisms of Development*, **1999**, 80, 191-5	1.7	35
58	Zebrafish zic1 expression in brain and somites is affected by BMP and hedgehog signalling. *Mechanisms of Development*, **1999**, 85, 147-59	1.7	55
57	Large number of replacement polymorphisms in rapidly evolving genes of Drosophila. Implications for genome-wide surveys of DNA polymorphism. *Genetics*, **1999**, 153, 1717-29	4	32
56	Formation of Embryonic Axes and Blastoderm Pattern in Drosophila **1999**, 311-330		1
55	Molecular phylogenetics at the Felsenstein zone: approaching the Strepsiptera problem using 5.8S and 28S rDNA sequences. *Molecular Phylogenetics and Evolution*, **1998**, 9, 470-80	4.1	50
54	A Hox class 3 orthologue from the spider Cupiennius salei is expressed in a Hox-gene-like fashion. *Development Genes and Evolution*, **1998**, 208, 586-90	1.8	77
53	Sperm usage in honey bees. *Behavioral Ecology and Sociobiology*, **1998**, 42, 247-255	2.5	48
52	From genes to individuals: developmental genes and the generation of the phenotype. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1998**, 353, 231-40	5.8	25
51	Molecular technologies for biodiversity evaluation: opportunities and challenges. *Nature Biotechnology*, **1997**, 15, 625-8	44.5	108
50	Evolution and phylogeny of the Diptera: a molecular phylogenetic analysis using 28S rDNA sequences. *Systematic Biology*, **1997**, 46, 674-98	8.4	85
49	Polymorphism and locus-specific effects on polymorphism at microsatellite loci in natural Drosophila melanogaster populations. *Genetics*, **1997**, 146, 309-20	4	84

48	Two orthodenticle-related genes in the short-germ beetle Tribolium castaneum. *Development Genes and Evolution*, **1996**, 206, 35-45	1.8	57
47	Chromophore-assisted laser inactivation of even skipped in Drosophila precisely phenocopies genetic loss of function. *Development Genes and Evolution*, **1996**, 206, 86-8	1.8	18
46	Ribosomal DNA phylogeny of the major extant arthropod classes and the evolution of myriapods. *Nature*, **1995**, 376, 165-7	50.4	315
45	Evolution of segmentation genes in insects. *Trends in Genetics*, **1995**, 11, 23-7	8.5	47
44	Expression patterns of twist and snail in Tribolium (Coleoptera) suggest a homologous formation of mesoderm in long and short germ band insects. *Genesis*, **1994**, 15, 32-7		37
43	Sympatric speciation suggested by monophyly of crater lake cichlids. *Nature*, **1994**, 368, 629-32	50.4	384
42	Chromosomal homogeneity of Drosophila ribosomal DNA arrays suggests intrachromosomal exchanges drive concerted evolution. *Current Biology*, **1994**, 4, 777-83	6.3	215
41	In situ hybridization to RNA. *Methods in Cell Biology*, **1994**, 44, 575-98	1.8	171
40	Insect calcium channels. Molecular cloning of an alpha 1-subunit from housefly (Musca domestica) muscle. *FEBS Letters*, **1994**, 339, 189-94	3.8	34
39	Simple sequences. *Current Opinion in Genetics and Development*, **1994**, 4, 832-7	4.9	252
38	Regulatory and coding regions of the segmentation gene hunchback are functionally conserved between Drosophila virilis and Drosophila melanogaster. *Mechanisms of Development*, **1994**, 45, 105-15	1.7	45
37	Insect embryogenesis what is ancestral and what is derived?. *Development (Cambridge)*, **1994**, 1994, 193-199	6.6	32
36	Social structure of pilot whales revealed by analytical DNA profiling. *Science*, **1993**, 260, 670-2	33.3	287
35	Involvement of an orthologue of the Drosophila pair-rule gene hairy in segment formation of the short germ-band embryo of Tribolium (Coleoptera). *Nature*, **1993**, 361, 448-50	50.4	142
34	Notes on the definition and nomenclature of tandemly repetitive DNA sequences. *Exs*, **1993**, 67, 21-8		98
33	Slippage synthesis of simple sequence DNA. *Nucleic Acids Research*, **1992**, 20, 211-5	20.1	849
32	Redundancies, development and the flow of information. *BioEssays*, **1992**, 14, 263-6	4.1	160
31	Genetic and Molecular Analysis of Early Pattern Formation in Drosophila **1992**, 308-327		1

30	In Situ Formats **1992**, 304-392		
29	Conservation of polymorphic simple sequence loci in cetacean species. *Nature*, **1991**, 354, 63-5	50.4	299
28	Isolation of simple-sequence loci for use in polymerase chain reaction-based DNA fingerprinting. *Electrophoresis*, **1991**, 12, 113-8	3.6	311
27	Asynchronous mitotic domains during blastoderm formation inMusca domestica L. (Diptera). *Roux's Archives of Developmental Biology*, **1991**, 199, 373-376		8
26	Genetic and Molecular Analysis of Pattern Formation Processes in Drosophila **1991**, 273-282		
25	A morphogenetic gradient of hunchback protein organizes the expression of the gap genes Krüppel and knirps in the early Drosophila embryo. *Nature*, **1990**, 346, 577-80	50.4	398
24	Genomic finger printing goes simple. *BioEssays*, **1990**, 12, 44-6	4.1	17
23	Minimal homology requirements for PCR primers. *Nucleic Acids Research*, **1989**, 17, 6749	20.1	155
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9	Tracing recent adaptations in natural populations of the house mouse315-333		4
8	The effects of sequence length and composition of random sequence peptides on the growth of E. coli cells		1
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6	Evolution and Phylogeny of the Diptera: A Molecular Phylogenetic Analysis Using 28S rDNA Sequences		10
5	Thanatotranscriptome: genes actively expressed after organismal death		7
4	No evidence for phylostratigraphic bias impacting inferences on patterns of gene emergence and evolution		2
3	Introgression patterns between house mouse subspecies and species reveal genomic windows of frequent exchange		3
2	Natural copy number differences of tandemly repeated small nucleolar RNAs in the Prader-Willi syndrome genomic region regulate individual behavioral responses in mammals		1
1	Studying the dawn of de novo gene emergence in mice reveals fast integration of new genes into functional networks		4