JÃ¼rgen Brosius

List of Publications by Year
in descending order

130 papers	12,825 citations	34105 52 h-index	24258 110 g-index
135 all docs	135 docs citations	135 times ranked	9068 citing authors

#	Article	IF	Citations
1	GPR15â€“C10ORF99 functional pairing initiates colonic Treg homing in amniotes. EMBO Reports, 2022, 23, e53246.	4.5	4
2	Enhancer occlusion transcripts regulate the activity of human enhancer domains via transcriptional interference: a computational perspective. Nucleic Acids Research, 2020, 48, 3435-3454.	14.5	5
3	Exaptation at the molecular genetic level. Science China Life Sciences, 2019, 62, 437-452.	4.9	13
4	The Volcano Rabbit in the Phylogenetic Network of Lagomorphs. Genome Biology and Evolution, 2019, 11, 11-16.	2.5	6
5	Transcriptional interference by small transcripts in proximal promoter regions. Nucleic Acids Research, 2018, 46, 1069-1088.	14.5	10
6	De-novo emergence of SINE retroposons during the early evolution of passerine birds. Mobile DNA, 2017, 8, 21.	3.6	13
7	Maternal transcription of non-protein coding RNAs from the PWS-critical region rescues growth retardation in mice. Scientific Reports, 2016, 6, 20398.	3.3	22
8	Genome sequence of the basal haplorrhine primate Tarsius syrichta reveals unusual insertions. Nature Communications, 2016, 7, 12997.	12.8	32
9	BC1 RNA motifs required for dendritic transport in vivo. Scientific Reports, 2016, 6, 28300.	3.3	13
10	What is an RNA?<i>A top layer for RNA classification</i>. RNA Biology, 2016, 13, 140-144.	3.1	33
11	Ancient Traces of Tailless Retropseudogenes in Therian Genomes. Genome Biology and Evolution, 2015, 7, 889-900.	2.5	9
12	Multiple Lineages of Ancient CR1 Retroposons Shaped the Early Genome Evolution of Amniotes. Genome Biology and Evolution, 2015, 7, 205-217.	2.5	62
13	Evidence for a Novel Mechanism of Influenza Virus-Induced Type I Interferon Expression by a Defective RNA-Encoded Protein. PLoS Pathogens, 2015, 11, e1004924.	4.7	31
14	Does every transcript originate from a gene?. Annals of the New York Academy of Sciences, 2015, 1341, 136-148.	3.8	8
15	Exploring Massive Incomplete Lineage Sorting in Arctoids (Laurasiatheria, Carnivora). Molecular Biology and Evolution, 2015, 32, msv188.	8.9	48
16	GPACâ€"Genome Presence/Absence Compiler: A Web Application to Comparatively Visualize Multiple Genome-Level Changes. Molecular Biology and Evolution, 2015, 32, 275-286.	8.9	9
17	The Persistent Contributions of RNA to Eukaryotic Gen(om)e Architecture and Cellular Function. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016089-a016089.	5.5	10
18	The genome of a Mesozoic paleovirus reveals the evolution of hepatitis B viruses. Nature Communications, 2013, 4, 1791.	12.8	55

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19	Retrophylogenomics Place Tarsiers on the Evolutionary Branch of Anthropoids. Scientific Reports, 2013, 3, 1756.	3.3	47
20	Ancestry of the Australian Termitivorous Numbat. Molecular Biology and Evolution, 2013, 30, 1041-1045.	8.9	11
21	A Universal Method for the Study of CR1 Retroposons in Nonmodel Bird Genomes. Molecular Biology and Evolution, 2012, 29, 2899-2903.	8.9	27
22	Retroposon Insertion Patterns of Neoavian Birds: Strong Evidence for an Extensive Incomplete Lineage Sorting Era. Molecular Biology and Evolution, 2012, 29, 1497-1501.	8.9	39
23	Mesozoic retroposons reveal parrots as the closest living relatives of passerine birds. Nature Communications, 2011, 2, 443.	12.8	175
24	Exonization of transposed elements: A challenge and opportunity for evolution. Biochimie, 2011, 93, 1928-1934.	2.6	132
25	Retroposon Insertions and the Chronology of Avian Sex Chromosome Evolution. Molecular Biology and Evolution, 2011, 28, 2993-2997.	8.9	53
26	Application of housekeeping npcRNAs for quantitative expression analysis of human transcriptome by real-time PCR. Rna, 2010, 16, 450-461.	3.5	90
27	Identification of differentially expressed small non-protein-coding RNAs in Staphylococcus aureus displaying both the normal and the small-colony variant phenotype. Journal of Molecular Medicine, 2010, 88, 565-575.	3.9	113
28	A novel web-based TinT application and the chronology of the Primate Alu retroposon activity. BMC Evolutionary Biology, 2010, 10, 376.	3.2	45
29	Retroposon Insertions Provide Insights into Deep Lagomorph Evolution. Molecular Biology and Evolution, 2010, 27, 2678-2681.	8.9	17
30	Tracking Marsupial Evolution Using Archaic Genomic Retroposon Insertions. PLoS Biology, 2010, 8, e1000436.	5.6	184
31	Rodent Evolution: Back to the Root. Molecular Biology and Evolution, 2010, 27, 1315-1326.	8.9	131
32	Mosaic retroposon insertion patterns in placental mammals. Genome Research, 2009, 19, 868-875.	5.5	79
33	The Fragmented Gene. Annals of the New York Academy of Sciences, 2009, 1178, 186-193.	3.8	22
34	Retrocopy contributions to the evolution of the human genome. BMC Genomics, 2008, 9, 466.	2.8	93
35	Beyond DNA: RNA Editing and Steps Toward Alu Exonization in Primates. Journal of Molecular Biology, 2008, 382, 601-609.	4.2	43
36	On BC1 RNA and the fragile X mental retardation protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 734-739.	7.1	71

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37	Retroposed SNOfall--A mammalian-wide comparison of platypus snoRNAs. Genome Research, 2008, 18, 1005-1010.	5.5	62
38	Reply to Bagni: On BC1 RNA and the fragile X mental retardation protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, E29-E29.	7.1	8
39	Multiple molecular evidences for a living mammalian fossil. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7495-7499.	7.1	141
40	Deletion of the MBII-85 snoRNA Gene Cluster in Mice Results in Postnatal Growth Retardation. PLoS Genetics, 2007, 3, e235.	3.5	155
41	Isolation and Posttranscriptional Modification Analysis of Native BC1 RNA from Mouse Brain. RNA Biology, 2007, 4, 11-15.	3.1	14
42	Functional persistence of exonized mammalian-wide interspersed repeat elements (MIRs). Genome Research, 2007, 17, 1139-1145.	5.5	88
43	Retroposed Elements and Their Flanking Regions Resolve the Evolutionary History of Xenarthran Mammals (Armadillos, Anteaters, and Sloths). Molecular Biology and Evolution, 2007, 24, 2573-2582.	8.9	82
44	Can ID Repetitive Elements Serve as Cis-acting Dendritic Targeting Elements? An In Vivo Study. PLoS ONE, 2007, 2, e961.	2.5	14
45	Waves of genomic hitchhikers shed light on the evolution of gamebirds (Aves: Galliformes). BMC Evolutionary Biology, 2007, 7, 190.	3.2	81
46	Evolutionary history of 7SL RNA-derived SINEs in Supraprimates. Trends in Genetics, 2007, 23, 158-161.	6.7	204
47	Automated Scanning for Phylogenetically Informative Transposed Elements in Rodents. Systematic Biology, 2006, 55, 936-948.	5.6	24
48	Retroposed Elements as Archives for the Evolutionary History of Placental Mammals. PLoS Biology, 2006, 4, e91.	5.6	238
49	Two primate-specific small non-protein-coding RNAs in transgenic mice: neuronal expression, subcellular localization and binding partners. Nucleic Acids Research, 2006, 35, 529-539.	14.5	36
50	Evolution of small nucleolar RNAs in nematodes. Nucleic Acids Research, 2006, 34, 2676-2685.	14.5	74
51	Spatial codes in dendritic BC1 RNA. Journal of Cell Biology, 2006, 175, 427-439.	5.2	52
52	Does the AD7c-NTP locus encode a protein?. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1727, 1-4.	2.4	6
53	Waste not, want not â€" transcript excess in multicellular eukaryotes. Trends in Genetics, 2005, 21, 287-288.	6.7	123
54	Disparity, adaptation, exaptation, bookkeeping, and contingency at the genome level. Paleobiology, 2005, 31, 1-16.	2.0	16

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55	Alu-SINE Exonization: En Route to Protein-Coding Function. Molecular Biology and Evolution, 2005, 22, 1702-1711.	8.9	133
56	A Novel Abundant Family of Retroposed Elements (DAS-SINEs) in the Nine-Banded Armadillo (Dasypus) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.9	39
57	Inhibitory Effect of Naked Neural BC1 RNA or BC200 RNA on Eukaryotic in vitro Translation Systems is Reversed by Poly(A)-binding Protein (PABP). Journal of Molecular Biology, 2005, 353, 88-103.	4.2	115
58	Identification of an evolutionarily divergent U11 small nuclear ribonucleoprotein particle in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9584-9589.	7.1	25
59	A Novel Class of Mammalian-Specific Tailless Retropseudogenes. Genome Research, 2004, 14, 1911-1915.	5.5	41
60	RNomenclature. RNA Biology, 2004, 1, 81-83.	3.1	32
61	Neuronal MAP2 mRNA: Species-dependent Differential Dendritic Targeting Competence. Journal of Molecular Biology, 2004, 341, 927-934.	4.2	14
62	From â€œJunkâ€•to Gene: Curriculum vitae of a Primate Receptor Isoform Gene. Journal of Molecular Biology, 2004, 341, 883-886.	4.2	65
63	The Contribution of RNAs and Retroposition to Evolutionary Novelties. Genetica, 2003, 118, 99-115.	1.1	125
64	Gene duplication and other evolutionary strategies: from the RNA world to the future. Journal of Structural and Functional Genomics, 2003, 3, 1-17.	1.2	33
65	From Eden to a hell of uniformity? directed evolution in humans. BioEssays, 2003, 25, 815-821.	2.5	9
66	RNomics in Drosophila melanogaster: identification of 66 candidates for novel non-messenger RNAs. Nucleic Acids Research, 2003, 31, 2495-2507.	14.5	77
67	Neuronal Untranslated BC1 RNA: Targeted Gene Elimination in Mice. Molecular and Cellular Biology, 2003, 23, 6435-6441.	2.3	65
68	Binding of L7Ae protein to the K-turn of archaeal snoRNAs: a shared RNA binding motif for C/D and H/ACA box snoRNAs in Archaea. Nucleic Acids Research, 2003, 31, 869-877.	14.5	195
69	How significant is 98.5% 'junk' in mammalian genomes?. Bioinformatics, 2003, 19, ii35-ii35.	4.1	15
70	The contribution of RNAs and retroposition to evolutionary novelties. Contemporary Issues in Genetics and Evolution, 2003, , 99-116.	0.9	7
71	Gene duplication and other evolutionary strategies: from the RNA world to the future. , 2003, , 1-17.		0
72	The contribution of RNAs and retroposition to evolutionary novelties. Genetica, 2003, 118, 99-116.	1.1	58

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73	Identification of 86 candidates for small non-messenger RNAs from the archaeon <i>Archaeoglobus</i> <i>fulgidus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7536-7541.	7.1	323
74	RNomics in Archaea reveals a further link between splicing of archaeal introns and rRNA processing. Nucleic Acids Research, 2002, 30, 921-930.	14.5	124
75	Poly(A)-binding Protein is Associated with Neuronal BC1 and BC200 Ribonucleoprotein Particles. Journal of Molecular Biology, 2002, 321, 433-445.	4.2	140
76	Experimental RNomics. Current Biology, 2002, 12, 2002-2013.	3.9	127
77	RNomics: identification and function of small, non-messenger RNAs. Current Opinion in Chemical Biology, 2002, 6, 835-843.	6.1	129
78	A small RNA in testis and brain: implications for male germ cell development. Journal of Cell Science, 2002, 115, 1243-50.	2.0	20
79	Neuronal BC1 RNA structure: Evolutionary conversion of a tRNAAla domain into an extended stem-loop structure. Rna, 2001, 7, 722-730.	3.5	72
80	tRNAs in the spotlight during protein biosynthesis. Trends in Biochemical Sciences, 2001, 26, 653-656.	7.5	36
81	Neuronal BC1 RNA: Intracellular Transport and Activity-Dependent Modulation. Results and Problems in Cell Differentiation, 2001, 34, 129-138.	0.7	29
82	Eugenicsâ€”evolutionary nonsense?. Nature Genetics, 2000, 25, 253-253.	21.4	12
83	A tRNA Pseudogene in the ArchaeonMethanococcus jannaschii. DNA Sequence, 2000, 11, 97-99.	0.7	1
84	Genomes were forged by massive bombardments with retroelements and retrosequences. , 2000, , 209-238.		61
85	EXPRESSION VECTORS EMPLOYING THE trc PROMOTER**This chapter focuses on the trc promoter, and examples given almost exclusively cover trc expression vectors. The citations given here may therefore not necessarily include the first examples of a given vector or process improvement.. , 1999, , 45-64.		2
86	Transmutation of tRNA over time. Nature Genetics, 1999, 22, 8-9.	21.4	29
87	Genomes were forged by massive bombardments with retroelements and retrosequences. Genetica, 1999, 107, 209-238.	1.1	136
88	Many G-protein-coupled receptors are encoded by retrogenes. Trends in Genetics, 1999, 15, 304-305.	6.7	56
89	The BC200 RNA Gene and Its Neural Expression Are Conserved in Anthropoidea (Primates). Journal of Molecular Evolution, 1998, 47, 677-685.	1.8	53
90	Heterodimer SRP9/14 is an integral part of the neural BC200 RNP in primate brain. Neuroscience Letters, 1998, 245, 123-126.	2.1	43

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91	Activity-dependent Regulation of Dendritic BC1 RNA in Hippocampal Neurons in Culture. Journal of Cell Biology, 1998, 141, 1601-1611.	5.2	92
92	Identification of Human Autoantigen La/SS-B as BC1/BC200 RNA-Binding Protein. DNA and Cell Biology, 1998, 17, 751-759.	1.9	41
93	The lOSa RNA Gene of Thermus thermophilus. DNA Sequence, 1998, 9, 31-35.	0.7	5
94	Localization of the Mouse Gene (Bc1) Encoding Neural BC1 RNA Near the Fibroblast Growth Factor 3 Locus (Fgf3) on Distal Chromosome 7. Genomics, 1997, 44, 153-154.	2.9	8
95	Expression of dendritic BC200 RNA, component of a 11.4S ribonucleoprotein particle, is conserved in monkey brain. Neuroscience Letters, 1997, 224, 206-210.	2.1	25
96	Expression of neural BC200 RNA in human tumours. Journal of Pathology, 1997, 183, 345-351.	4.5	177
97	Translational Machinery in Dendrites of Hippocampal Neurons in Culture. Journal of Neuroscience, 1996, 16, 7171-7181.	3.6	201
98	Evolution, Expression, and Possible Function of a Master Gene for Amplification of an Interspersed Repeated DNA Family in Rodents. Progress in Molecular Biology and Translational Science, 1996, 52, 67-88.	1.9	32
99	Identification and Characterization of BC1 RNP Particles. DNA and Cell Biology, 1996, 15, 549-559.	1.9	50
100	Reverse Transcriptase: Mediator of Genomic Plasticity. , 1996, , 91-107.		1
101	Reverse transcriptase: Mediator of genomic plasticity. Virus Genes, 1995, 11, 163-179.	1.6	81
102	Molecular Cloning and Characterization of the Mouse Dopamine D₃Receptor Gene: An Additional Intron and an mRNA Variant. DNA and Cell Biology, 1995, 14, 485-492.	1.9	18
103	Expression of the Human T-Cell Receptor VÎ²5.3 in Escherichia coli by Thermal Induction of the trc Promoter: Nucleotide Sequence of the lacIts Gene. DNA and Cell Biology, 1995, 14, 945-950.	1.9	11
104	Molecular constructivity. Nature, 1993, 365, 102-102.	27.8	30
105	Clathrin light chain B: gene structure and neuron-specific splicing. Nucleic Acids Research, 1992, 20, 5097-5103.	14.5	42
106	Sequence Alignment of the G-Protein Coupled Receptor Superfamily. DNA and Cell Biology, 1992, 11, 1-20.	1.9	873
107	[41] Compilation of superlinker vectors. Methods in Enzymology, 1992, 216, 469-483.	1.0	55
108	Murine BC1 RNA in dendritic fields of the retinal inner plexiform layer. Neuroscience Letters, 1992, 141, 136-138.	2.1	9

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109	Familial Alzheimer's mutation: mRNA secondary structure revisited. Neurobiology of Aging, 1992, 13, 449-451.	3.1	1
110	Sanchored PCR: PCR with cDNA coupled to a solid phase. Nucleic Acids Research, 1991, 19, 1350-1350.	14.5	9
111	Superpolylinkers in Cloning and Expression Vectors. DNA and Cell Biology, 1989, 8, 759-777.	5.2	154
112	Molecular Cloning and Complete Amino Acid Sequence of AP50, an Assembly Protein Associated with Clathrin-Coated Vesicles. DNA and Cell Biology, 1988, 7, 663-669.	5.2	45
113	Expression Vectors Employing Lambda-, trp-, lac-, and lpp-Derived Promoters. , 1988, 10, 205-225.		18
114	[4] Plasmids for the selection and analysis of prokaryotic promoters. Methods in Enzymology, 1987, 153, 54-68.	1.0	43
115	Rat Calmodulin cDNA. DNA and Cell Biology, 1987, 6, 267-272.	5.2	45
116	In vivo transcription from deletion mutations introduced near Escherichia coli ribosomal RNA promoter P2. Molecular Genetics and Genomics, 1985, 199, 55-58.	2.4	16
117	â€˜ATG vectorsâ€™ for regulated high-level expression of cloned genes in Escherichia coli. Gene, 1985, 40, 183-190.	2.2	449
118	Plasmid vectors for the selection of promoters. Gene, 1984, 27, 151-160.	2.2	460
119	Toxicity of an overproduced foreign gene product in Escherichia coli and its use in plasmid vectors for the selection of transcription terminators. Gene, 1984, 27, 161-172.	2.2	183
120	Vectors bearing a hybrid trp-lac promoter useful for regulated expression of cloned genes in Escherichia coli. Gene, 1983, 25, 167-178.	2.2	865
121	DNA sequences flanking an E. coli insertion element IS2 in a cloned yeast TRP5 gene. Gene, 1982, 17, 223-228.	2.2	10
122	rII cistrons of bacteriophage T4. Journal of Molecular Biology, 1981, 149, 337-376.	4.2	187
123	Gene organization and primary structure of a ribosomal RNA operon from Escherichia coli. Journal of Molecular Biology, 1981, 148, 107-127.	4.2	1,787
124	Construction and fine mapping of recombinant plasmids containing the rrnB ribosomal RNA operon of E. coli. Plasmid, 1981, 6, 112-118.	1.4	514
125	An â€˜internalâ€•signal sequence directs secretion and processing of proinsulin in bacteria. Nature, 1981, 294, 176-178.	27.8	72
126	Secondary structure model for 23S ribosomal RNA. Nucleic Acids Research, 1981, 9, 6167-6189.	14.5	397

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127	Fragment of protein L18 from the Escherichia coli ribosome that contains the 5S RNA binding site. Nucleic Acids Research, 1978, 5, 1753-1766.	14.5	24
128	Occurrence of methylated amino acids as N-termini of proteins from Escherichia coli ribosomes. Journal of Molecular Biology, 1977, 111, 173-181.	4.2	55
129	The primary structure of protein L16 located at the peptidyltransferase center ofEscherichia coliribosomes. FEBS Letters, 1976, 68, 105-109.	2.8	77
130	The primary structure of the 5S RNA binding protein L18 fromEscherichia coliribosomes. FEBS Letters, 1975, 56, 359-361.	2.8	46