Norihiro Okada

List of Publications by Year in descending order

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50276 38395 9,921 134 46 95 citations h-index g-index papers 136 136 136 7320 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Kampo formulas alleviate aging-related emotional disturbances and neuroinflammation in male senescence-accelerated mouse prone 8 mice. Aging, 2022, 14, 109-142.	3.1	5
2	User pairing using laser chaos decision maker for NOMA systems. Nonlinear Theory and Its Applications IEICE, 2022, 13, 72-83.	0.6	9
3	Data of RNA-seq transcriptomes of liver, bone, heart, kidney and blood in klotho mice at a pre-symptomatic state and the effect of a traditional Japanese multi-herbal medicine, juzentaihoto. Data in Brief, 2022, 42, 108197.	1.0	2
4	Intron retention is a stress response in sensor genes and is restored by Japanese herbal medicines: A basis for future clinical applications. Gene, 2022, 830, 146496.	2.2	0
5	SINEs as Credible Signs to Prove Common Ancestry in the Tree of Life: A Brief Review of Pioneering Case Studies in Retroposon Systematics. Genes, 2022, 13, 989.	2.4	3
6	Analysis on Effectiveness of Surrogate Data-Based Laser Chaos Decision Maker. Complexity, 2021, 2021, 1-9.	1.6	9
7	Genomic Signatures for Species-Specific Adaptation in Lake Victoria Cichlids Derived from Large-Scale Standing Genetic Variation. Molecular Biology and Evolution, 2021, 38, 3111-3125.	8.9	9
8	A unique neurogenomic state emerges after aggressive confrontations in males of the fish Betta splendens. Gene, 2021, 784, 145601.	2.2	3
9	Intron retention as a new pre-symptomatic marker of aging and its recovery to the normal state by a traditional Japanese multi-herbal medicine. Gene, 2021, 794, 145752.	2.2	10
10	Data of RNA-seq transcriptomes in the brain associated with aggression in males of the fish Betta splendens. Data in Brief, 2021, 38, 107448.	1.0	0
11	Alternative splicing plays key roles in response to stress across different stages of fighting in the fish Betta splendens. BMC Genomics, 2021, 22, .	2.8	2
12	Implication of a new function of human tDNAs in chromatin organization. Scientific Reports, 2020, 10, 17440.	3.3	6
13	Behavioral and brain-transcriptomic synchronization between the two opponents of a fighting pair of the fish Betta splendens. PLoS Genetics, 2020, 16, e1008831.	3.5	22
14	Title is missing!. , 2020, 16, e1008831.		0
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19	Title is missing!. , 2020, 16, e1008831.		O
20	Patterns of genomic differentiation between two Lake Victoria cichlid species, Haplochromis pyrrhocephalus and H. sp. â€~macula'. BMC Evolutionary Biology, 2019, 19, 68.	3.2	4
21	Evolution of Shh endoderm enhancers during morphological transition from ventral lungs to dorsal gas bladder. Nature Communications, 2017, 8, 14300.	12.8	19
22	Laterality is Universal Among Fishes but Increasingly Cryptic Among Derived Groups. Zoological Science, 2017, 34, 267.	0.7	17
23	Solution structure of a reverse transcriptase recognition site of a LINE RNA from zebrafish. Journal of Biochemistry, 2017, 162, 279-285.	1.7	6
24	Visual adaptation in Lake Victoria cichlid fishes: depth-related variation of color and scotopic opsins in species from sand/mud bottoms. BMC Evolutionary Biology, 2017, 17, 200.	3.2	28
25	Molecular developmental mechanism in polypterid fish provides insight into the origin of vertebrate lungs. Scientific Reports, 2016, 6, 30580.	3.3	41
26	MetaSINEs: Broad Distribution of a Novel SINE Superfamily in Animals. Genome Biology and Evolution, 2016, 8, 528-539.	2.5	22
27	Determining the Position of Storks on the Phylogenetic Tree of Waterbirds by Retroposon Insertion Analysis. Genome Biology and Evolution, 2015, 7, 3180-3189.	2.5	16
28	Distinct functions of two olfactory marker protein genes derived from teleost-specific whole genome duplication. BMC Evolutionary Biology, 2015, 15, 245.	3.2	16
29	A microsatellite-based genetic linkage map and putative sex-determining genomic regions in Lake Victoria cichlids. Gene, 2015, 560, 156-164.	2.2	12
30	LINE retrotransposition and host DNA repair machinery. Mobile Genetic Elements, 2015, 5, 92-97.	1.8	3
31	Mechanism by which a LINE protein recognizes its 3′ tail RNA. Nucleic Acids Research, 2014, 42, 10605-10617.	14.5	22
32	Integrated mechanism for the generation of the $5\hat{a} \in \mathbb{Z}$ junctions of LINE inserts. Nucleic Acids Research, 2014, 42, 13269-13279.	14.5	4
33	Multiple Episodic Evolution Events in V1R Receptor Genes of East-African Cichlids. Genome Biology and Evolution, 2014, 6, 1135-1144.	2.5	22
34	Evolutionary Changes in Vertebrate Genome Signatures with Special Focus on Coelacanth. DNA Research, 2014, 21, 459-467.	3.4	8
35	The genomic substrate for adaptive radiation in African cichlid fish. Nature, 2014, 513, 375-381.	27.8	874
36	Sensory drive speciation and patterns of variation at selectively neutral genes. Evolutionary Ecology, 2014, 28, 591-609.	1.2	4

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37	High prevalence of non-synonymous substitutions in mtDNA of cichlid fishes from Lake Victoria. Gene, 2014, 552, 239-245.	2.2	7
38	Coelacanth genomes reveal signatures for evolutionary transition from water to land. Genome Research, 2013, 23, 1740-1748.	5.5	108
39	Lineage-Specific Expansion of Vomeronasal Type 2 Receptor-Like (OlfC) Genes in Cichlids May Contribute to Diversification of Amino Acid Detection Systems. Genome Biology and Evolution, 2013, 5, 711-722.	2.5	26
40	Genetic Structure of Pelagic and Littoral Cichlid Fishes from Lake Victoria. PLoS ONE, 2013, 8, e74088.	2.5	11
41	Correlation between Nuptial Colors and Visual Sensitivities Tuned by Opsins Leads to Species Richness in Sympatric Lake Victoria Cichlid Fishes. Molecular Biology and Evolution, 2012, 29, 3281-3296.	8.9	45
42	A new mechanism to ensure integration during LINE retrotransposition: A suggestion from analyses of the $5\hat{a}$ \in 2 extra nucleotides. Gene, 2012, 505, 345-351.	2.2	6
43	Characterization of V1R receptor (ora) genes in Lake Victoria cichlids. Gene, 2012, 499, 273-279.	2.2	18
44	Reverse Evolution in RH1 for Adaptation of Cichlids to Water Depth in Lake Tanganyika. Molecular Biology and Evolution, 2011, 28, 1769-1776.	8.9	33
45	B Chromosomes Have a Functional Effect on Female Sex Determination in Lake Victoria Cichlid Fishes. PLoS Genetics, 2011, 7, e1002203.	3.5	134
46	Speciation of Cichlid Fishes by Sensory Drive. Primatology Monographs, 2011, , 311-328.	0.8	6
47	Emergence of mammals by emergency: exaptation. Genes To Cells, 2010, 15, 801-812.	1.2	27
48	Vertebrate Rhodopsin Adaptation to Dim Light via Rapid Meta-II Intermediate Formation. Molecular Biology and Evolution, 2010, 27, 506-519.	8.9	34
49	Genetic variation and demographic history of the Haplochromis laparogramma group of Lake Victoria—An analysis based on SINEs and mitochondrial DNA. Gene, 2010, 450, 39-47.	2.2	17
50	Characterization of a novel SINE superfamily from invertebrates: "Ceph-SINEs―from the genomes of squids and cuttlefish. Gene, 2010, 454, 8-19.	2.2	28
51	mRNA Retrotransposition Coupled with 5' Inversion as a Possible Source of New Genes. Molecular Biology and Evolution, 2009, 26, 1405-1420.	8.9	11
52	Genetic Evidence That the Non-Homologous End-Joining Repair Pathway Is Involved in LINE Retrotransposition. PLoS Genetics, 2009, 5, e1000461.	3.5	121
53	Retroposons of salmonoid fishes (Actinopterygii: Salmonoidei) and their evolution. Gene, 2009, 434, 16-28.	2.2	24
54	Extensive analysis of EST sequences reveals that all cichlid species in Lake Victoria share almost identical transcript sets. Gene, 2009, 441, 187-191.	2.2	14

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55	The evolution of two partner LINE/SINE families and a full-length chromodomain-containing Ty3/Gypsy LTR element in the first reptilian genome of Anolis carolinensis. Gene, 2009, 441, 111-118.	2.2	41
56	Retroposon analysis and recent geological data suggest near-simultaneous divergence of the three superorders of mammals. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5235-5240.	7.1	162
57	Speciation through sensory drive in cichlid fish. Nature, 2008, 455, 620-626.	27.8	947
58	Newly discovered young CORE-SINEs in marsupial genomes. Gene, 2008, 407, 176-185.	2.2	23
59	Retroposons: Genetic Footprints on the Evolutionary Paths of Life. Methods in Molecular Biology, 2008, 422, 201-225.	0.9	20
60	Novel SINE Families from Salmons Validate Parahucho (Salmonidae) as a Distinct Genus and Give Evidence that SINEs Can Incorporate LINE-related 3′-Tails of Other SINEs. Molecular Biology and Evolution, 2007, 24, 1656-1666.	8.9	27
61	Poxviruses as possible vectors for horizontal transfer of retroposons from reptiles to mammals. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12046-12051.	7.1	119
62	Functional splice sites in a zebrafish LINE and their influence on zebrafish gene expression. Gene, 2007, 390, 221-231.	2.2	11
63	A new system for analyzing LINE retrotransposition in the chicken DT40 cell line widely used for reverse genetics. Gene, 2007, 395, 116-124.	2.2	6
64	MyrSINEs: A novel SINE family in the anteater genomes. Gene, 2007, 400, 98-103.	2.2	11
65	Rooting the eutherian tree: the power and pitfalls of phylogenomics. Genome Biology, 2007, 8, R199.	9.6	82
66	Toothed whale monophyly reassessed by SINE insertion analysis: The absence of lineage sorting effects suggests a small population of a common ancestral species. Molecular Phylogenetics and Evolution, 2007, 43, 216-224.	2.7	43
67	Genomic expansion of the Bov-A2 retroposon relating to phylogeny and breed management. Mammalian Genome, 2007, 18, 187-196.	2.2	11
68	Pegasoferae, an unexpected mammalian clade revealed by tracking ancient retroposon insertions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9929-9934.	7.1	207
69	Isolation and characterization of retrotransposition-competent LINEs from zebrafish. Gene, 2006, 365, 74-82.	2.2	42
70	Probing the secondary structure of salmon Smal SINE RNA. Gene, 2006, 365, 67-73.	2.2	11
71	The rise and fall of the CR1 subfamily in the lineage leading to penguins. Gene, 2006, 365, 57-66.	2.2	39
72	magp4 gene may contribute to the diversification of cichlid morphs and their speciation. Gene, 2006, 373, 126-133.	2.2	23

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73	Genomic alterations upon integration of zebrafish L1 elements revealed by the TANT method. Gene, 2006, 383, 108-116.	2.2	7
74	Balaenoptera omurai is a newly discovered baleen whale that represents an ancient evolutionary lineage. Molecular Phylogenetics and Evolution, 2006, 41, 40-52.	2.7	84
75	Sauria SINEs: Novel Short Interspersed Retroposable Elements That Are Widespread in Reptile Genomes. Journal of Molecular Evolution, 2006, 62, 630-644.	1.8	55
76	Solution structure and functional importance of a conserved RNA hairpin of eel LINE UnaL2. Nucleic Acids Research, 2006, 34, 5184-5193.	14.5	18
77	Functional noncoding sequences derived from SINEs in the mammalian genome. Genome Research, 2006, 16, 864-874.	5.5	207
78	Baleen Whale Phylogeny and a Past Extensive Radiation Event Revealed by SINE Insertion Analysis. Molecular Biology and Evolution, 2006, 23, 866-873.	8.9	69
79	Divergent Selection on Opsins Drives Incipient Speciation in Lake Victoria Cichlids. PLoS Biology, 2006, 4, e433.	5.6	167
80	Extensive Morphological Convergence and Rapid Radiation in the Evolutionary History of the Family Geoemydidae (Old World Pond Turtles) Revealed by SINE Insertion Analysis. Systematic Biology, 2006, 55, 912-927.	5.6	29
81	Isolation and Characterization of Active LINE and SINEs from the Eel. Molecular Biology and Evolution, 2005, 22, 673-682.	8.9	29
82	A Retroposon Analysis of Afrotherian Phylogeny. Molecular Biology and Evolution, 2005, 22, 1823-1833.	8.9	88
83	Retroposon Mapping in Molecular Systematics. , 2004, 260, 189-226.		47
84	Solution structure of an RNA stem-loop derived from the 3' conserved region of eel LINE UnaL2. Rna, 2004, 10, 1380-1387.	3.5	24
85	First Application of the SINE (Short Interspersed Repetitive Element) Method to Infer Phylogenetic Relationships in Reptiles: An Example from the Turtle Superfamily Testudinoidea. Molecular Biology and Evolution, 2004, 21, 705-715.	8.9	46
86	Phylogenetic Relationships Among East African Haplochromine Fish as Revealed by Short Interspersed Elements (SINEs). Journal of Molecular Evolution, 2004, 58, 64-78.	1.8	38
87	SINEs of speciation: tracking lineages with retroposons. Trends in Ecology and Evolution, 2004, 19, 545-553.	8.7	143
88	Mitochondrial phylogeny of hedgehogs and monophyly of Eulipotyphla. Molecular Phylogenetics and Evolution, 2003, 28, 276-284.	2.7	61
89	Whole-genome screening indicates a possible burst of formation of processed pseudogenes and Alu repeats by particular L1 subfamilies in ancestral primates. Genome Biology, 2003, 4, R74.	9.6	172
90	Ancient SINEs from African Endemic Mammals. Molecular Biology and Evolution, 2003, 20, 522-527.	8.9	81

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91	Using SINEs to Probe Ancient Explosive Speciation: "Hidden" Radiation of African Cichlids?. Molecular Biology and Evolution, 2003, 20, 924-930.	8.9	50
92	Unique Mammalian tRNA-Derived Repetitive Elements in Dermopterans: The t-SINE Family and Its Retrotransposition Through Multiple Sources. Molecular Biology and Evolution, 2003, 20, 1659-1668.	8.9	34
93	Nonlinear partial differential equations and applications: The effect of selection on a long wavelength-sensitive (LWS) opsin gene of Lake Victoria cichlid fishes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15501-15506.	7.1	118
94	Mosaic Structure and Retropositional Dynamics During Evolution of Subfamilies of Short Interspersed Elements in African Cichlids. Molecular Biology and Evolution, 2002, 19, 1303-1312.	8.9	25
95	Characterization of Novel Alu- and tRNA-Related SINEs from the Tree Shrew and Evolutionary Implications of Their Origins. Molecular Biology and Evolution, 2002, 19, 1964-1972.	8.9	76
96	V-SINEs: A New Superfamily of Vertebrate SINEs That Are Widespread in Vertebrate Genomes and Retain a Strongly Conserved Segment within Each Repetitive Unit. Genome Research, 2002, 12, 316-324.	5.5	97
97	The Evolution of the Pro-Domain of Bone Morphogenetic Protein 4 (Bmp4) in an Explosively Speciated Lineage of East African Cichlid Fishes. Molecular Biology and Evolution, 2002, 19, 1628-1632.	8.9	52
98	LINEs Mobilize SINEs in the Eel through a Shared 3′ Sequence. Cell, 2002, 111, 433-444.	28.9	295
99	Intra- and Interfamily Relationships of Vespertilionidae Inferred by Various Molecular Markers Including SINE Insertion Data. Journal of Molecular Evolution, 2002, 55, 284-301.	1.8	60
100	Éléments mobiles SINE en phylogénie. Medecine/Sciences, 2002, 18, 1276-1281.	0.2	1
101	Retroposon analysis of major cetacean lineages: The monophyly of toothed whales and the paraphyly of river dolphins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7384-7389.	7.1	239
102	Retroposition of the AFC Family of SINEs (Short Interspersed Repetitive Elements) Before and During the Adaptive Radiation of Cichlid Fishes in Lake Malawi and Related Inferences About Phylogeny. Journal of Molecular Evolution, 2001, 53, 496-507.	1.8	35
103	Maximum Likelihood Analysis of the Complete Mitochondrial Genomes of Eutherians and a Reevaluation of the Phylogeny of Bats and Insectivores. Journal of Molecular Evolution, 2001, 53, 508-516.	1.8	128
104	Evolution of CHR-2 SINEs in cetartiodactyl genomes: possible evidence for the monophyletic origin of toothed whales. Mammalian Genome, 2001, 12, 909-915.	2.2	34
105	Phylogenetic Relationships and Ancient Incomplete Lineage Sorting Among Cichlid Fishes in Lake Tanganyika as Revealed by Analysis of the Insertion of Retroposons. Molecular Biology and Evolution, 2001, 18, 2057-2066.	8.9	191
106	SINE insertions: powerful tools for molecular systematics. BioEssays, 2000, 22, 148-160.	2.5	336
107	CetSINEs and AREs are not SINEs but are parts of cetartiodactyl L1. Mammalian Genome, 2000, 11, 1123-1126.	2.2	7
108	Monophyletic Origin of the Order Chiroptera and Its Phylogenetic Position Among Mammalia, as Inferred from the Complete Sequence of the Mitochondrial DNA of a Japanese Megabat, the Ryukyu Flying Fox (Pteropus dasymallus). Journal of Molecular Evolution, 2000, 51, 318-328.	1.8	62

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109	Consistency of SINE Insertion Topology and Flanking Sequence Tree: Quantifying Relationships Among Cetartiodactyls. Molecular Biology and Evolution, 2000, 17, 1417-1424.	8.9	35
110	SINE Evolution, Missing Data, and the Origin of Whales. Systematic Biology, 2000, 49, 808-817.	5.6	54
111	Towards Resolving the Interordinal Relationships of Placental Mammals. Systematic Biology, 1999, 48, 1-5.	5.6	306
112	Phylogenetic relationships among cetartiodactyls based on insertions of short and long interpersed elements: Hippopotamuses are the closest extant relatives of whales. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10261-10266.	7.1	402
113	Conflict Among Individual Mitochondrial Proteins in Resolving the Phylogeny of Eutherian Orders. Journal of Molecular Evolution, 1998, 47, 307-322.	1.8	208
114	Molecular evidence from short interspersed elements (SINEs) that Oncorhynchus masou (cherry) Tj ETQq0 0 0 rg	gBT_/Overl	ock 10 Tf 50
115	Detection of the Ongoing Sorting of Ancestrally Polymorphic SINEs Toward Fixation or Loss in Populations of Two Species of Charr During Speciation. Genetics, 1998, 150, 301-311.	2.9	34
116	SINEs and LINEs share common 3′ sequences: a review. Gene, 1997, 205, 229-243.	2.2	256
117	Molecular evidence from retroposons that whales form a clade within even-toed ungulates. Nature, 1997, 388, 666-670.	27.8	413
118	The 3′ ends of tRNA-derived SINEs originated from the 3' ends of LINEs: A new example from the bovine genome. Journal of Molecular Evolution, 1997, 44, S52-S56.	1.8	85
119	The Origin of Chlorarachniophyte Plastids, as Inferred from Phylogenetic Comparisons of Amino Acid Sequences of EF-Tu. Journal of Molecular Evolution, 1997, 45, 682-687.	1.8	72
120	A Newly Isolated Family of Short Interspersed Repetitive Elements (SINEs) in Coregonid Fishes (Whitefish) With Sequences That Are Almost Identical To Those of the Smal Family of Repeats: Possible Evidence for the Horizontal Transfer of SINEs. Genetics, 1997, 146, 355-367.	2.9	49
121	The Salmon <i>Sma</i> I Family of Short Interspersed Repetitive Elements (SINEs): Interspecific and Intraspecific Variation of the Insertion of SINEs in the Genomes of Chum and Pink Salmon. Genetics, 1997, 146, 369-380.	2.9	34
122	Characterization of species-specifically amplified SINEs in three salmonid speciesâ€"Chum salmon, pink salmon, and kokanee: The local environment of the genome may be important for the generation of a dominant source gene at a newly retroposed locus. Journal of Molecular Evolution, 1996, 42, 103-116.	1.8	36
123	Protein phylogeny of translation elongation factor EF- \hat{l} ± suggests microsporidians are extremely ancient eukaryotes. Journal of Molecular Evolution, 1996, 42, 257-263.	1.8	110
124	Details of Retropositional Genome Dynamics That Provide a Rationale for a Generic Division: The Distinct Branching of All the Pacific Salmon and Trout (<i>Oncorhynchus</i>) From the Atlantic Salmon and Trout (<i>Salmo</i>). Genetics, 1996, 142, 915-926.	2.9	71
125	Evolution of the active sequences of the Hpal short interspersed elements. Journal of Molecular Evolution, 1995, 41, 986-95.	1.8	29
126	A Novel tRNA Species as an Origin of Short Interspersed Repetitive Elements (SINEs). Journal of Molecular Biology, 1994, 239, 731-735.	4.2	36

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127	Amplification of Distinct Subfamilies of Short Interspersed Elements During Evolution of the Salmonidae. Journal of Molecular Biology, 1994, 241, 633-644.	4.2	44
128	Generality of the tRNA Origin of Short Interspersed Repetitive Elements (SINEs). Journal of Molecular Biology, 1994, 243, 25-37.	4.2	33
129	Determination of the phylogenetic relationships among Pacific salmonids by using short interspersed elements (SINEs) as temporal landmarks of evolution Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 6995-6999.	7.1	188
130	SINEs: Short interspersed repeated elements of the eukaryotic genome. Trends in Ecology and Evolution, 1991, 6, 358-361.	8.7	167
131	SINEs. Current Opinion in Genetics and Development, 1991, 1, 498-504.	3.3	200
132	A highly repetitive and transcribable sequence in the tortoise genome is probably a retroposon. FEBS Journal, 1990, 189, 25-31.	0.2	35
133	Rodent type 2 Alu family, rat identifier sequence, rabbit C family, and bovine or goat 73-bp repeat may have evolved from tRNA genes. Journal of Molecular Evolution, 1985, 22, 134-140.	1.8	111
134	SINE insertions: powerful tools for molecular systematics. , 0, .		3