

Alexandr Sember

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

657
citations

516710

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580821

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27
all docs

27
docs citations

27
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome differentiation in a species pair of coregonine fishes: an extremely rapid speciation driven by stress-activated retrotransposons mediating extensive ribosomal DNA multiplications. <i>BMC Evolutionary Biology</i> , 2013, 13, 42.	3.2	96
2	Karyotype differentiation in 19 species of river loach fishes (Nemacheilidae, Teleostei): extensive variability associated with rDNA and heterochromatin distribution and its phylogenetic and ecological interpretation. <i>BMC Evolutionary Biology</i> , 2015, 15, 251.	3.2	64
3	Multiple sex chromosomes in teleost fishes from a cytogenetic perspective: state of the art and future challenges. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200098.	4.0	45
4	Highly conserved Z and molecularly diverged W chromosomes in the fish genus <i>Triportheus</i> (Characiformes, Triporthidae). <i>Heredity</i> , 2017, 118, 276-283.	2.6	44
5	Sex Chromosome Evolution and Genomic Divergence in the Fish <i>Hoplias malabaricus</i> (Characiformes, Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50	2.3	42
6	Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/X ₁ Y ₁ Y ₂ system in <i>Hoplias malabaricus</i> (Teleostei, Characiformes). <i>Chromosoma</i> , 2018, 127, 115-128.	2.2	35
7	A supernumerary B-sex chromosome drives male sex determination in the Pach ³ n cavefish, <i>Astyanax mexicanus</i> . <i>Current Biology</i> , 2021, 31, 4800-4809.e9.	3.9	34
8	Chromosomal Evolution in Lower Vertebrates: Sex Chromosomes in Neotropical Fishes. <i>Genes</i> , 2017, 8, 258.	2.4	29
9	Comparative Cytogenetics and Neo-Y Formation in Small-Sized Fish Species of the Genus <i>Pyrrhulina</i> (Characiformes, Lebiasinidae). <i>Frontiers in Genetics</i> , 2019, 10, 678.	2.3	27
10	Is premeiotic genome elimination an exclusive mechanism for hemiclinal reproduction in hybrid males of the genus <i>Pelophylax</i> ?. <i>BMC Genetics</i> , 2016, 17, 100.	2.7	26
11	Conventional Cytogenetic Approaches – Useful and Indispensable Tools in Discovering Fish Biodiversity. <i>Current Genetic Medicine Reports</i> , 2018, 6, 176-186.	1.9	25
12	Molecular Cytogenetics in Artificial Hybrid and Highly Polyploid Sturgeons: An Evolutionary Story Narrated by Repetitive Sequences. <i>Cytogenetic and Genome Research</i> , 2013, 141, 153-162.	1.1	21
13	Cytogenetics, genomics and biodiversity of the South American and African Arapaimidae fish family (Teleostei, Osteoglossiformes). <i>PLoS ONE</i> , 2019, 14, e0214225.	2.5	21
14	Deciphering the Origin and Evolution of the X ₁ X ₂ Y System in Two Closely-Related Oplegnathus Species (Oplegnathidae and Centrarchiformes). <i>International Journal of Molecular Sciences</i> , 2019, 20, 3571.	4.1	17
15	Deciphering the Evolutionary History of Arowana Fishes (Teleostei, Osteoglossiformes). <i>International Journal of Molecular Sciences</i> , 2019, 20, 4296.	4.1	17
16	Emerging patterns of genome organization in Notopteridae species (Teleostei, Osteoglossiformes) as revealed by Zoo-FISH and Comparative Genomic Hybridization (CGH). <i>Scientific Reports</i> , 2019, 9, 1112.	3.3	17
17	Centric Fusions behind the Karyotype Evolution of Neotropical Nannostomus Pencilfishes (Characiforme, Lebiasinidae): First Insights from a Molecular Cytogenetic Perspective. <i>Genes</i> , 2020, 11, 91.	2.4	16
18	Dynamics of tandemly repeated DNA sequences during evolution of diploid and tetraploid botiid loaches (Teleostei: Cobitoidea: Botiidae). <i>PLoS ONE</i> , 2018, 13, e0195054.	2.5	14

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19	Cytogenetics of the small-sized fish, <i>Copeina guttata</i> (Characiformes, Lebiasinidae): Novel insights into the karyotype differentiation of the family. PLoS ONE, 2019, 14, e0226746.	2.5	11
20	Patterns of Sex Chromosome Differentiation in Spiders: Insights from Comparative Genomic Hybridisation. Genes, 2020, 11, 849.	2.4	11
21	Adding New Pieces to the Puzzle of Karyotype Evolution in <i>Harttia</i> (Siluriformes, Loricariidae): Investigation of Amazonian Species. Biology, 2021, 10, 922.	2.8	11
22	Against the mainstream: exceptional evolutionary stability of ZW sex chromosomes across the fish families Triportheidae and Gasteropelecidae (Teleostei: Characiformes). Chromosome Research, 2021, 29, 391-416.	2.2	11
23	Taxonomic Diversity Not Associated with Gross Karyotype Differentiation: The Case of Bighead Carps, Genus <i>Hypophthalmichthys</i> (Teleostei, Cypriniformes, Xenocypridae). Genes, 2020, 11, 479.	2.4	9
24	Chromosomes of Asian cyprinid fishes: cytogenetic analysis of two representatives of small paleotetraploid tribe Probarbini. Molecular Cytogenetics, 2018, 11, 51.	0.9	7
25	A Ploidy Difference Represents an Impassable Barrier for Hybridisation in Animals. Is There an Exception among Botiid Loaches (Teleostei: Botiidae)?. PLoS ONE, 2016, 11, e0159311.	2.5	4
26	Insights into the Karyotype Evolution of Charinidae, the Early-Diverging Clade of Whip Spiders (Arachnida: Amblypygi). Animals, 2021, 11, 3233.	2.3	3