

Alexandr Sember

List of Publications by Year in descending order

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papers

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516710

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27
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docs citations

27
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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A supernumerary B-sex chromosome drives male sex determination in the Pachón cavefish, <i>Astyanax mexicanus</i> . <i>Current Biology</i> , 2021, 31, 4800-4809.e9.	3.9	34
3	Adding New Pieces to the Puzzle of Karyotype Evolution in <i>Harttia</i> (Siluriformes, Loricariidae): Investigation of Amazonian Species. <i>Biology</i> , 2021, 10, 922.	2.8	11
4	Against the mainstream: exceptional evolutionary stability of ZW sex chromosomes across the fish families Triportheidae and Gasteropelecidae (Teleostei: Characiformes). <i>Chromosome Research</i> , 2021, 29, 391-416.	2.2	11
5	Insights into the Karyotype Evolution of Charinidae, the Early-Diverging Clade of Whip Spiders (Arachnida: Amblypygi). <i>Animals</i> , 2021, 11, 3233.	2.3	3
6	Patterns of Sex Chromosome Differentiation in Spiders: Insights from Comparative Genomic Hybridisation. <i>Genes</i> , 2020, 11, 849.	2.4	11
7	Centric Fusions behind the Karyotype Evolution of Neotropical <i>Nannostomus</i> Pencilfishes (Characiforme, Lebiasinidae): First Insights from a Molecular Cytogenetic Perspective. <i>Genes</i> , 2020, 11, 91.	2.4	16
8	Taxonomic Diversity Not Associated with Gross Karyotype Differentiation: The Case of Bighead Carps, Genus <i>Hypophthalmichthys</i> (Teleostei, Cypriniformes, Xenocyprididae). <i>Genes</i> , 2020, 11, 479.	2.4	9
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	Deciphering the Origin and Evolution of the X1X2Y System in Two Closely-Related <i>Oplegnathus</i> Species (Oplegnathidae and Centrarchiformes). <i>International Journal of Molecular Sciences</i> , 2019, 20, 3571.	4.1	17
11	Deciphering the Evolutionary History of Arowana Fishes (Teleostei, Osteoglossiformes.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> <i>Sciences</i> , 2019, 20, 4296.	4.1	17
12	Cytogenetics, genomics and biodiversity of the South American and African <i>Arapaimidae</i> fish family (Teleostei, Osteoglossiformes). <i>PLoS ONE</i> , 2019, 14, e0214225.	2.5	21
13	Cytogenetics of the small-sized fish, <i>Copeina guttata</i> (Characiformes, Lebiasinidae): Novel insights into the karyotype differentiation of the family. <i>PLoS ONE</i> , 2019, 14, e0226746.	2.5	11
14	Emerging patterns of genome organization in <i>Notopteridae</i> species (Teleostei, Osteoglossiformes) as revealed by Zoo-FISH and Comparative Genomic Hybridization (CGH). <i>Scientific Reports</i> , 2019, 9, 1112.	3.3	17
15	Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/XY1Y2 system in <i>Hoplias malabaricus</i> (Teleostei, Characiformes). <i>Chromosoma</i> , 2018, 127, 115-128.	2.2	35
16	Conventional Cytogenetic Approaches – Useful and Indispensable Tools in Discovering Fish Biodiversity. <i>Current Genetic Medicine Reports</i> , 2018, 6, 176-186.	1.9	25
17	Chromosomes of Asian cyprinid fishes: cytogenetic analysis of two representatives of small paleotetraploid tribe Probarbini. <i>Molecular Cytogenetics</i> , 2018, 11, 51.	0.9	7
18	Sex Chromosome Evolution and Genomic Divergence in the Fish <i>Hoplias malabaricus</i> (Characiformes.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	2.8	42

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19	Dynamics of tandemly repeated DNA sequences during evolution of diploid and tetraploid botiid loaches (Teleostei: Cobitoidea: Botiidae). PLoS ONE, 2018, 13, e0195054.	2.5	14
20	Highly conserved Z and molecularly diverged W chromosomes in the fish genus Triportheus (Characiformes, Triportheidae). Heredity, 2017, 118, 276-283.	2.6	44
21	Chromosomal Evolution in Lower Vertebrates: Sex Chromosomes in Neotropical Fishes. Genes, 2017, 8, 258.	2.4	29
22	Is premeiotic genome elimination an exclusive mechanism for hemiclinal reproduction in hybrid males of the genus Pelophylax?. BMC Genetics, 2016, 17, 100.	2.7	26
23	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
24	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. BMC Evolutionary Biology, 2015, 15, 251.	3.2	64
25	Genome differentiation in a species pair of coregonine fishes: an extremely rapid speciation driven by stress-activated retrotransposons mediating extensive ribosomal DNA multiplications. BMC Evolutionary Biology, 2013, 13, 42.	3.2	96
26	Molecular Cytogenetics in Artificial Hybrid and Highly Polyploid Sturgeons: An Evolutionary Story Narrated by Repetitive Sequences. Cytogenetic and Genome Research, 2013, 141, 153-162.	1.1	21