De-Xing Zhang

List of Publications by Year
in descending order

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48 papers	5,335 citations	304743 22 h-index	214800 47 g-index
51 all docs	51 docs citations	51 times ranked	5355 citing authors

#	Article	IF	Citations
1	Mitochondrial pseudogenes: evolution's misplaced witnesses. Trends in Ecology and Evolution, 2001, 16, 314-321.	8.7	950
2	Nuclear integrations: challenges for mitochondrial DNA markers. Trends in Ecology and Evolution, 1996, 11, 247-251.	8.7	752
3	Nuclear DNA analyses in genetic studies of populations: practice, problems and prospects. Molecular Ecology, 2003, 12, 563-584.	3.9	575
4	Insect mitochondrial control region: A review of its structure, evolution and usefulness in evolutionary studies. Biochemical Systematics and Ecology, 1997, 25, 99-120.	1.3	546
5	The insect cytochrome oxidase I gene: evolutionary patterns and conserved primers for phylogenetic studies. Insect Molecular Biology, 1996, 5, 153-165.	2.0	511
6	Evolution and structural conservation of the control region of insect mitochondrial DNA. Journal of Molecular Evolution, 1995, 40, 382-391.	1.8	269
7	Evaluation of a Bayesian Coalescent Method of Species Delimitation. Systematic Biology, 2011, 60, 747-761.	5.6	242
8	Evolutionary conservation and versatility of a new set of primers for amplifying the ribosomal internal transcribed spacer regions in insects and other invertebrates. Molecular Ecology Notes, 2003, 3, 581-585.	1.7	181
9	Lepidopteran microsatellite DNA: redundant but promising. Trends in Ecology and Evolution, 2004, 19, 507-509.	8.7	155
10	Assessment of the universality and utility of a set of conserved mitochondrial COI primers in insects. Insect Molecular Biology, 1997, 6, 143-150.	2.0	153
11	Frequent Assimilation of Mitochondrial DNA by Grasshopper Nuclear Genomes. Molecular Biology and Evolution, 2000, 17, 406-415.	8.9	147
12	Five identical intron positions in ancient duplicated genes of eubacterial origin. Nature, 1994, 367, 387-389.	27.8	117
13	Genomic Gigantism: DNA Loss Is Slow in Mountain Grasshoppers. Molecular Biology and Evolution, 2001, 18, 246-253.	8.9	111
14	Polymorphic microsatellite loci for the cotton bollworm Helicoverpa armigera (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	1.7	75
15	Structure and evolution of Cyclops: a novel giant retrotransposon of the Ty3/Gypsy family highly amplified in pea and other legume species. Plant Molecular Biology, 1998, 37, 363-375.	3.9	65
16	Highly conserved nuclear copies of the mitochondrial control region in the desert locustSchistocerca gregaria: some implications for population studies. Molecular Ecology, 1996, 5, 295-300.	3.9	56
17	Differential intron loss and endosymbiotic transfer of chloroplast glyceraldehyde-3-phosphate dehydrogenase genes to the nucleus.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8918-8922.	7.1	51
18	Measuring population differentiation using G_{ST} or D? A simulation study with microsatellite DNA markers under a finite island model and nonequilibrium conditions. Molecular Ecology, 2011, 20, 2494-2509.	3.9	44

#	Article	IF	Citations
19	Unexpected relationships of substructured populations in Chinese Locusta migratoria. BMC Evolutionary Biology, 2009, 9, 144.	3.2	39
20	Impact of climate changes from <scp>M</scp>iddle <scp>M</scp>iocene onwards on evolutionary diversification in <scp>E</scp>urasia: Insights from the mesobuthid scorpions. Molecular Ecology, 2013, 22, 1700-1716.	3.9	32
21	Isolation, characterization and cross-species amplification of eight microsatellite DNA loci in the migratory locust (Locusta migratoria). Molecular Ecology Notes, 2003, 3, 483-486.	1.7	25
22	Statistical measures of genetic differentiation of populations: Rationales, history and current states. Environmental Epigenetics, 2015, 61, 886-897.	1.8	25
23	Highly conserved nuclear copies of the mitochondrial control region in the desert locust Schistocerca gregaria: some implications for population studies. Molecular Ecology, 1996, 5, 295-300.	3.9	25
24	Isolation of Animal Cellular Total DNA. , 1998, , 5-9.		23
25	GEOGRAPHICAL DISTRIBUTION OF TWO SPECIES OF MESOBUTHUS (SCORPIONES, BUTHIDAE) IN CHINA: INSIGHTS FROM SYSTEMATIC FIELD SURVEYS AND PREDICTIVE MODELS. Journal of Arachnology, 2007, 35, 215-226.	0.5	21
26	High-coverage genomes to elucidate the evolution of penguins. GigaScience, 2019, 8, .	6.4	18
27	Haplotype reconstruction for scnp DNA: a consensus vote approach with extensive sequence data from populations of the migratory locust (Locusta migratoria). Molecular Ecology, 2008, 17, 1930-1947.	3.9	16
28	Eight polymorphic microsatellite loci for the critically endangered crested ibis, Nipponia nippon (Ciconiiformes: Threskiornithidae). Molecular Ecology Notes, 2004, 4, 615-617.	1.7	15
29	Novel polymorphic microsatellite markers developed in the cotton bollworm Helicoverpa armigera (Lepidoptera: Noctuidae). Insect Science, 2005, 12, 331-334.	3.0	14
30	Novel trophic interaction: the scuttle fly Megaselia scalaris (Diptera: Phoridae) is a facultative parasitoid of the desert scorpion Mesobuthus eupeus mongolicus (Scorpiones: Buthidae). Journal of Natural History, 2017, 51, 1-15.	0.5	13
31	Efficient simulation under a population genetics model of carcinogenesis. Bioinformatics, 2011, 27, 837-843.	4.1	11
32	Blackâ€spotted pond frog (Pelophylax nigromaculatus) on the Chinese Loess Plateau represents a cryptic species: Evidence from molecular phylogeny and ecological niche modeling. Journal of Systematics and Evolution, 2015, 53, 339-350.	3.1	8
33	The long and short of nuclear mitochondrial DNA (Numt) lineages Reply from D-X. Zhang and G.M. Hewitt. Trends in Ecology and Evolution, 1997, 12, 114.	8.7	5
34	CVhaplot: a consensus tool for statistical haplotyping. Molecular Ecology Resources, 2010, 10, 1066-1070.	4.8	5
35	Ten polymorphic microsatellite DNA loci for paternity and population genetics analysis in the fen raft spider (Dolomedes plantarius). Molecular Ecology Notes, 2004, 4, 274-276.	1.7	4
36	Microsatellite variation in Chinaâ€™s Hainan Eldâ€™s deer (Cervus eldi hainanus) and implications for their conservation. Conservation Genetics, 2008, 9, 507-514.	1.5	4

#	Article	IF	Citations
37	Time matters: Some interesting properties of the population differentiation measures G_{ST} and D overlooked in the equilibrium perspective. Journal of Systematics and Evolution, 2013, 51, 44-60.	3.1	4
38	Parasitoidism of theSarcophaga dux(Diptera: Sarcophagidae) on theMesobuthus martensii(Scorpiones:) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	4
39	Isolation and characterization of 10 microsatellite loci in poor cod Trisopterus minutus (L). Molecular Ecology Notes, 2001, 1, 50-52.	1.7	3
40	A simple and reliable method for discriminating between Helicoverpa armigera and Helicoverpa assulta (Lepidoptera: Noctuidae). Insect Science, 2011, 18, 629-634.	3.0	3
41	Intraspecific variation in metabolic rate and its correlation with local environment in the Chinese scorpionMesobuthus martensii. Biology Open, 2019, 8, .	1.2	3
42	An effective method for alleleâ€specific sequencing using restriction enzyme and biotinylation (ASSURE) Tj ETQq0 0 0 rgBT /Overlock 10	3.9	2
43	An effective method for allele-specific sequencing using restriction enzyme and biotinylation (ASSURE) Tj ETQq1 1 0.784314 rgBT /Over	3.9	2
44	Ten polymorphic microsatellite markers developed in the masson pine moth Dendrolimus punctatus Walker (Lepidoptera: Lasiocampidae). Molecular Ecology Notes, 2005, 5, 911-913.	1.7	2
45	Internal algorithm variability and amongâ€algorithm discordance in statistical haplotype reconstruction. Molecular Ecology, 2009, 18, 1556-1559.	3.9	2
46	A discreteâ€beta model for testing gene flow after speciation. Methods in Ecology and Evolution, 2015, 6, 715-724.	5.2	2
47	Eight polymorphic microsatellite markers developed in the Chinese scorpion, Mesobuthus martensii (Scorpiones: Buthidae). Molecular Ecology Resources, 2008, 8, 1454-1456.	4.8	1
48	Are we really seeing the big picture? Some reflections on the current debates in evolutionary biology. Environmental Epigenetics, 2015, 61, 217-220.	1.8	1