

Vladimir A Lukhtanov

List of Publications by Year in descending order

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73
papers

2,144
citations

236925

25
h-index

254184

43
g-index

80
all docs

80
docs citations

80
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement of pre-zygotic isolation and karyotype evolution in <i>Agrodiaetus</i> butterflies. <i>Nature</i> , 2005, 436, 385-389.	27.8	193
2	DNA barcoding Central Asian butterflies: increasing geographical dimension does not significantly reduce the success of species identification. <i>Molecular Ecology Resources</i> , 2009, 9, 1302-1310.	4.8	151
3	Unexpected layers of cryptic diversity in wood white <i>Leptidea</i> butterflies. <i>Nature Communications</i> , 2011, 2, 324.	12.8	131
4	KARYOTYPIC DIVERSITY AND SPECIATION IN AGRODIAETUS BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 546-559.	2.3	121
5	Phylogeny of <i>Agrodiaetus</i> Hübner 1822 (Lepidoptera: Lycaenidae) Inferred from mtDNA Sequences of COI and COII and Nuclear Sequences of EF1- α : Karyotype Diversification and Species Radiation. <i>Systematic Biology</i> , 2004, 53, 278-298.	5.6	109
6	An updated checklist of the European Butterflies (Lepidoptera, Papilionoidea). <i>ZooKeys</i> , 2018, 811, 9-45.	1.1	90
7	Establishing criteria for higher-level classification using molecular data: the systematics of <i>Polyommatus</i> blue butterflies (Lepidoptera, Lycaenidae). <i>Cladistics</i> , 2013, 29, 166-192.	3.3	84
8	In the shadow of phylogenetic uncertainty: The recent diversification of <i>Lysandra</i> butterflies through chromosomal change. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 469-478.	2.7	81
9	Unprecedented within-species chromosome number cline in the Wood White butterfly <i>Leptidea sinapis</i> and its significance for karyotype evolution and speciation. <i>BMC Evolutionary Biology</i> , 2011, 11, 109.	3.2	74
10	Sex chromatin and sex chromosome systems in nonditrysian Lepidoptera (Insecta). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2000, 38, 73-79.	1.4	63
11	Versatility of multivalent orientation, inverted meiosis, and rescued fitness in holocentric chromosomal hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9610-E9619.	7.1	62
12	Reproductive isolation and patterns of genetic differentiation in a cryptic butterfly species complex. <i>Journal of Evolutionary Biology</i> , 2013, 26, 2095-2106.	1.7	60
13	The blue butterfly <i>Polyommatus</i> (<i>Plebicula</i>) <i>atlanticus</i> (Lepidoptera, Lycaenidae) holds the record of the highest number of chromosomes in the non-polyploid eukaryotic organisms. <i>Comparative Cytogenetics</i> , 2015, 9, 683-690.	0.8	52
14	Homoploid hybrid speciation and genome evolution via chromosome sorting. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150157.	2.6	48
15	Principles of the highly ordered arrangement of metaphase I bivalents in spermatocytes of <i>Agrodiaetus</i> (Insecta, Lepidoptera). <i>Chromosome Research</i> , 2002, 10, 5-20.	2.2	47
16	Detecting cryptic species in sympatry and allopatry: analysis of hidden diversity in <i>Polyommatus</i> (<i>Agrodiaetus</i>) butterflies (Lepidoptera: Lycaenidae). <i>Biological Journal of the Linnean Society</i> , 2015, 116, 468-485.	1.6	44
17	Integrative analyses unveil speciation linked to host plant shift in <i>Sialia</i> butterflies. <i>Molecular Ecology</i> , 2016, 25, 4267-4284.	3.9	44
18	Ten genes and two topologies: an exploration of higher relationships in skipper butterflies (Hesperiidae). <i>PeerJ</i> , 2016, 4, e2653.	2.0	44

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19	How common are dot-like distributions? Taxonomical oversplitting in western European <i>Agrodiaetus</i> (Lepidoptera: Lycaenidae) revealed by chromosomal and molecular markers. <i>Biological Journal of the Linnean Society</i> , 2010, 101, 130-154.	1.6	43
20	Rearrangement of the <i>Agrodiaetus dolus</i> species group (Lepidoptera, Lycaenidae) using a new cytological approach and molecular data. <i>Insect Systematics and Evolution</i> , 2006, 37, 325-334.	0.7	36
21	DNA Barcodes Combined with Multilocus Data of Representative Taxa Can Generate Reliable Higher-Level Phylogenies. <i>Systematic Biology</i> , 2022, 71, 382-395.	5.6	35
22	What genes and chromosomes say about the origin and evolution of insects and other arthropods. <i>Russian Journal of Genetics</i> , 2010, 46, 1115-1121.	0.6	33
23	Ribosomal DNA clusters and telomeric (TTAGG) _n repeats in blue butterflies (Lepidoptera, Lycaenidae) with low and high chromosome numbers. <i>Comparative Cytogenetics</i> , 2015, 9, 161-171.	0.8	33
24	Geographical distribution of the cryptic species <i>Agrodiaetus alcestis alcestis</i> , <i>A. alcestis karacetinae</i> and <i>A. demavendi</i> (Lepidoptera: Lycaenidae) revealed by cytogenetic analysis. <i>Comparative Cytogenetics</i> , 2010, 4, 1-11.	0.8	29
25	Towards the understanding of the origin of the Polish remote population of <i>Polyommatus (Agrodiaetus) ripartii</i> (Lepidoptera: Lycaenidae) based on karyology and molecular phylogeny. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2014, 52, 44-51.	1.4	28
26	Evolutionary mechanisms of runaway chromosome number change in <i>Agrodiaetus</i> butterflies. <i>Scientific Reports</i> , 2017, 7, 8199.	3.3	28
27	Taxonomic position of several enigmatic <i>Polyommatus (Agrodiaetus)</i> species (Lepidoptera, Lycaenidae) from Central and Eastern Iran: insights from molecular and chromosomal data. <i>Comparative Cytogenetics</i> , 2014, 8, 313-322.	0.8	25
28	DNA barcodes as a tool in biodiversity research: testing pre-existing taxonomic hypotheses in Delphic Apollo butterflies (Lepidoptera, Papilionidae). <i>Systematics and Biodiversity</i> , 2016, 14, 599-613.	1.2	25
29	Karyosystematics and molecular taxonomy of the anomalous blue butterflies (Lepidoptera, Lycaenidae) from the Balkan Peninsula. <i>Comparative Cytogenetics</i> , 2016, 10, 1-85.	0.8	25
30	Incomplete Sterility of Chromosomal Hybrids: Implications for Karyotype Evolution and Homoploid Hybrid Speciation. <i>Frontiers in Genetics</i> , 2020, 11, 583827.	2.3	24
31	Chromosome number evolution in skippers (Lepidoptera, HesperIIDae). <i>Comparative Cytogenetics</i> , 2014, 8, 275-291.	0.8	23
32	Evolutionary association between subterranean lifestyle and female sociality in rodents. <i>Mammalian Biology</i> , 2014, 79, 101-109.	1.5	17
33	Nuclear genes (but not mitochondrialDNAbarcodes) reveal real species: Evidence from theBrenthisfritillary butterflies (Lepidoptera, Nymphalidae). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2019, 57, 298-313.	1.4	16
34	<i>Cacopsylla fraudatrix</i> sp.n. (Hemiptera: Psylloidea) recognised from testis structure and mitochondrial gene COI. <i>Zootaxa</i> , 2012, 3547, 55.	0.5	15
35	A new butterfly species from south Russia revealed through chromosomal and molecular analysis of the <i>Polyommatus (Agrodiaetus) damonides</i> complex (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2017, 11, 769-795.	0.8	13
36	DNA barcoding reveals twelve lineages with properties of phylogenetic and biological species within <i>Melitaea didyma sensu lato</i> (Lepidoptera, Nymphalidae). <i>ZooKeys</i> , 2015, 538, 35-46.	1.1	13

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37	Chromosomal identification of cryptic species sharing their DNA barcodes: <i>Polyommatus (Agrodiaetus) antidolus</i> and <i>P. (A.) morgani</i> in Iran (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2017, 11, 759-768.	0.8	11
38	Intragenomic variations of multicopy ITS2 marker in <i>Agrodiaetus</i> blue butterflies (Lepidoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.8	11
39	Heterozygosity and Chain Multivalents during Meiosis Illustrate Ongoing Evolution as a Result of Multiple Holokinetic Chromosome Fusions in the Genus <i>Melinaea</i> (Lepidoptera, Nymphalidae). <i>Cytogenetic and Genome Research</i> , 2017, 153, 213-222.	1.1	10
40	Sympatric occurrence of deeply diverged mitochondrial DNA lineages in Siberian geometrid moths (Lepidoptera: Geometridae): cryptic speciation, mitochondrial introgression, secondary admixture or effect of <i>Wolbachia</i> ?. <i>Biological Journal of the Linnean Society</i> , 2021, 134, 342-365.	1.6	10
41	Molecular phylogeny of the Palaearctic butterfly genus <i>Pseudophilotes</i> (Lepidoptera: Lycaenidae) with focus on the Sardinian endemic <i>P. barbagiae</i> . <i>BMC Zoology</i> , 2018, 3, .	1.0	9
42	Overlooked cryptic diversity in <i>Muschampia</i> (Lepidoptera: Hesperiiidae) adds two species to the European butterfly fauna. <i>Zoological Journal of the Linnean Society</i> , 2021, 193, 847-859.	2.3	9
43	Chromosomal and mitochondrial diversity in <i>Melitaea didyma</i> complex (Lepidoptera, Nymphalidae): eleven deeply diverged DNA barcode groups in one non-monophyletic species?. <i>Comparative Cytogenetics</i> , 2016, 10, 697-717.	0.8	9
44	Karyotype evolution and flexible (conventional versus inverted) meiosis in insects with holocentric chromosomes: a case study based on <i>Polyommatus</i> butterflies. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 683-699.	1.6	8
45	A new species of <i>Melitaea</i> from Israel, with notes on taxonomy, cytogenetics, phylogeography and interspecific hybridization in the <i>Melitaea perseae</i> complex (Lepidoptera, Nymphalidae). <i>Comparative Cytogenetics</i> , 2017, 11, 325-357.	0.8	8
46	Genomic introgression from a distant congener in the Levant fritillary butterfly, <i>Melitaea acentria</i> . <i>Molecular Ecology</i> , 2021, 30, 4819-4832.	3.9	7
47	Mitochondrial chromosome as a marker of animal migratory routes: DNA barcoding revealed Asian (non-African) origin of a tropical migrant butterfly <i>Junonia orithya</i> in south Israel. <i>Comparative Cytogenetics</i> , 2016, 10, 671-677.	0.8	7
48	Chromosomal and molecular evidence for presence of <i>Polyommatus (Agrodiaetus) poseidon</i> (Lepidoptera, Lycaenidae) in Caucasus region. <i>Comparative Cytogenetics</i> , 2015, 9, 249-255.	0.8	7
49	Case 3767 " <i>Papilio phoebus</i> Fabricius, 1793 (currently <i>Parnassius phoebus</i> ; Insecta, Lepidoptera): proposed conservation of prevailing usage of the specific name and that of <i>Doritis ariadne</i> Lederer, 1853 (currently <i>Parnassius ariadne</i>) by the designation of a neotype. <i>Bulletin of Zoological Nomenclature</i> , 2019, 76, 14.	0.1	7
50	Linking karyotypes with DNA barcodes: proposal for a new standard in chromosomal analysis with an example based on the study of Neotropical Nymphalidae (Lepidoptera). <i>Comparative Cytogenetics</i> , 2019, 13, 435-449.	0.8	6
51	Phylogeny, species delimitation and biogeography of the endemic Palaearctic tribe Tomarini (Lepidoptera: Lycaenidae). <i>Zoological Journal of the Linnean Society</i> , 2022, 196, 630-646.	2.3	5
52	Two types of highly ordered micro- and macrochromosome arrangement in metaphase plates of butterflies (Lepidoptera). <i>Comparative Cytogenetics</i> , 2019, 13, 19-25.	0.8	5
53	Identification of Natural Hybrids between <i>Ahlbergia frivaldszkyi</i> (Lederer, 1853) and <i>Callophrys rubi</i> (Linnaeus, 1758) (Lepidoptera, Lycaenidae) Using Mitochondrial and Nuclear Markers. <i>Insects</i> , 2021, 12, 1124.	2.2	5
54	Butterflies (Lepidoptera, Rhopalocera) of West Altai. <i>Entomological Review</i> , 2007, 87, 524-544.	0.3	4

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55	Taxonomic Position and Status of <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>iphigenia</i> (Lepidoptera, Lycaenidae) from the Peloponnese, Southern Greece. <i>Folia Biologica</i> , 2015, 63, 295-300.	0.5	4
56	On the Generic Position of <i>Polyommatus avinovi</i> (Lepidoptera: Lycaenidae). <i>Folia Biologica</i> , 2016, 64, 267-273.	0.5	3
57	Taxonomic position of several enigmatic <i>Polyommatus</i> (<i>Agrodiaetus</i>) species (Lepidoptera, Lycaenidae) from Central and Eastern Iran: insights from molecular and chromosomal data. <i>Comparative Cytogenetics</i> , 2014, 8, 313-322.	0.8	3
58	Taxonomic interpretation of chromosomal and mitochondrial DNA variability in the species complex close to <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>dama</i> (Lepidoptera, Lycaenidae). <i>ZooKeys</i> , 2015, 538, 1-20.	1.1	3
59	An updated checklist of the European Butterflies (Lepidoptera, Papilionoidea). <i>ZooKeys</i> , 0, 811, 9-45.	1.1	3
60	Phylogenetic position and taxonomic rearrangement of <i>Davidina</i> (Lepidoptera: Nymphalidae), an enigmatic butterfly genus new for Europe and America. <i>Zoological Journal of the Linnean Society</i> , 2020, 190, 1036-1053.	2.3	2
61	The Taxa of the <i>Hyponephele lycaon</i> – <i>H. lupina</i> Species Complex (Lepidoptera.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4</i> <i>Biologica</i> , 2021, 69, 11-21.	0.5	2
62	Karyotype reinvestigation does not confirm the presence of two cryptic species and interspecific hybridization in the <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>damocles</i> complex in the Crimea (Lepidoptera.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	0.5	0
63	Reassessment of the status of some European and Asian <i>Melitaea</i> taxa described as subspecies of <i>Melitaea phoebe</i> ([Denis & Schiffermüller], 1775), with designations of lectotypes where appropriate (Lepidoptera: Nymphalidae). <i>Zootaxa</i> , 2022, 5141, 25-38.	0.5	2
64	Taxonomic Position and Status of Arctic <i>Gynaephora</i> and <i>Dicallomera</i> Moths (Lepidoptera, Erebidae, Lymantriinae). <i>Folia Biologica</i> , 2015, 63, 257-261.	0.5	1
65	Taxonomic Rearrangement of the <i>Erebia tyndarus</i> Species Group (Lepidoptera, Nymphalidae, Satyrinae) Based on an Analysis of COI Barcodes, Morphology, and Geographic Distribution. <i>Folia Biologica</i> , 2019, 67, 149-157.	0.5	1
66	Chromosomal and DNA barcode analysis of the <i>Melitaea ala</i> Staudinger, 1881 species complex (Lepidoptera, Nymphalidae). <i>Comparative Cytogenetics</i> , 2021, 15, 199-216.	0.8	1
67	Interpretation of mitochondrial diversity in terms of taxonomy: a case study of <i>Hyponephele lycaon</i> species complex in Israel (Lepidoptera, Nymphalidae, Satyrinae). <i>ZooKeys</i> , 2015, 538, 21-34.	1.1	1
68	To which species should the name <i>heynei</i> [1893] (Lepidoptera: Nymphalidae) be referred?. <i>Zootaxa</i> , 2018, 4531, 81.	0.5	0
69	Chromosomal and DNA barcode analysis of the <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>damone</i> (Eversmann, 1841) species complex (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2021, 15, 1-22.	0.8	0
70	Karyotype of <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>eriwanensis</i> Forster, 1960 and taxonomic position of <i>P. (A.) interjectus</i> de Lesse, 1960 (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2019, 13, 359-366.	0.8	0
71	Karyotype and DNA barcode of <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>cyaneus</i> (Staudinger, 1899) from its type locality: implication for taxonomic and evolutionary research in <i>Polyommatus</i> blue butterflies (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2020, 14, 567-575.	0.8	0
72	Karyotype and DNA barcode of <i>Polyommatus</i> (<i>Agrodiaetus</i>) <i>cyaneus</i> (Staudinger, 1899) from its type locality: implication for taxonomic and evolutionary research in <i>Polyommatus</i> blue butterflies (Lepidoptera, Lycaenidae). <i>Comparative Cytogenetics</i> , 2020, 14, 567-575.	0.8	0

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73	Genetic implications of a biological invasion: Chromosomal and DNA barcode monomorphism in Old World populations of Colorado potato beetle <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>European Journal of Entomology</i> , 0, 118, 344-354.	1.2	0