Eugene V Korotkov

List of Publications by Year
in descending order

66 papers	613 citations	566801 15 h-index	676716 22 g-index
69 all docs	69 docs citations	69 times ranked	274 citing authors

#	Article	IF	Citations
1	Application of the MAHDS Method for Multiple Alignment of Highly Diverged Amino Acid Sequences. International Journal of Molecular Sciences, 2022, 23, 3764.	1.8	4
2	Use of 6 Nucleotide Length Words to Study the Complexity of Gene Sequences from Different Organisms. Entropy, 2022, 24, 632.	1.1	2
3	Multiple Alignment of Promoter Sequences from the Arabidopsis thaliana L. Genome. Genes, 2021, 12, 135.	1.0	12
4	Search for SINE repeats in the rice genome using correlation-based position weight matrices. BMC Bioinformatics, 2021, 22, 42.	1.2	3
5	Detection of Highly Divergent Tandem Repeats in the Rice Genome. Genes, 2021, 12, 473.	1.0	6
6	Use of Mathematical Methods for the Biosafety Assessment of Agricultural Crops. Applied Biochemistry and Microbiology, 2021, 57, 271-279.	0.3	2
7	Mathematical Algorithm for Identification of Eukaryotic Promoter Sequences. Symmetry, 2021, 13, 917.	1.1	6
8	Search for Highly Divergent Tandem Repeats in Amino Acid Sequences. International Journal of Molecular Sciences, 2021, 22, 7096.	1.8	2
9	Search for Tandem Repeats in the First Chromosome from the Rice Genome. Lecture Notes in Computer Science, 2020, , 291-295.	1.0	0
10	New Method for Potential Fusions Detection in Protein-Coding Sequences. Journal of Computational Biology, 2019, 26, 1253-1261.	0.8	0
11	Search for potential reading frameshifts in cds from Arabidopsis thaliana and other genomes. DNA Research, 2019, 26, 157-170.	1.5	6
12	Search of Fuzzy Periods in the Works of Poetry of Different Authors. Advances in Fuzzy Systems, 2018, 2018, 1-10.	0.6	1
13	Study of the periodicity in Euro-US Dollar exchange rates using local alignment and random matrixes. Procedia Computer Science, 2017, 108, 1344-1353.	1.2	2
14	Search of tandem repeats with insertion and deletions in the A. thaliana genome. Doklady Biochemistry and Biophysics, 2017, 477, 398-400.	0.3	0
15	Developing new mathematical method for search of the time series periodicity with deletions and insertions. Journal of Physics: Conference Series, 2017, 788, 012019.	0.3	0
16	Study of the periodicity in Euro-US Dollar exchange rates using local alignment and random matrices. Algorithmic Finance, 2017, 6, 23-33.	0.3	1
17	Search for regions with periodicity using the random position weight matrices in the C. elegans genome. International Journal of Data Mining and Bioinformatics, 2017, 18, 331.	0.1	7
18	Database of Periodic DNA Regions in Major Genomes. BioMed Research International, 2017, 2017, 1-9.	0.9	11

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19	Cluster analysis ofS. Cerevisiaenucleosome binding sites. Journal of Physics: Conference Series, 2017, 937, 012052.	0.3	0
20	WEB-server for search of a periodicity in amino acid and nucleotide sequences. Journal of Physics: Conference Series, 2017, 937, 012013.	0.3	0
21	Search of Regions with Periodicity Using Random Position Weight Matrices in the Genome of C. elegans. Lecture Notes in Computer Science, 2017, , 445-456.	1.0	0
22	Search of latent periodicity in amino acid sequences by means of genetic algorithm and dynamic programming. Statistical Applications in Genetics and Molecular Biology, 2016, 15, 381-400.	0.2	26
23	Developing a mathematical method to search for latent periodicity in protein amino-acid sequences with deletions and insertions. Biophysics (Russian Federation), 2015, 60, 876-885.	0.2	1
24	Developing of the Computer Method for Annotation of Bacterial Genes. Advances in Bioinformatics, 2015, 2015, 1-9.	5.7	15
25	Study of triplet periodicity differences inside and between genomes. Statistical Applications in Genetics and Molecular Biology, 2015, 14, 113-23.	0.2	5
26	Computer Annotation of Nucleic Acid Sequences in Bacterial Genomes Using Phylogenetic Profiles. , 2015, , .		0
27	Study of the Paired Change Points in Bacterial Genes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 955-964.	1.9	2
28	Comparative analysis of periodicity search methods in DNA sequences. Computational Biology and Chemistry, 2014, 53, 43-48.	1.1	20
29	Investigation of phase shifts for different period lengths in the genomes of C. elegans, D. melanogaster and S. cerevisiae. Computational Biology and Chemistry, 2014, 51, 12-21.	1.1	0
30	Towards the identification of the latent periodicity in DNA sequences. Mathematical Biology and Bioinformatics, 2013, 8, 529-536.	0.1	2
31	LEPSCAN--a web server for searching latent periodicity in DNA sequences. Briefings in Bioinformatics, 2012, 13, 143-149.	3.2	1
32	Detection change points of triplet periodicity of gene. Gene, 2012, 491, 58-64.	1.0	7
33	Splicing of the triplet periodicity in genes from different species. , 2011, , .		0
34	An Approach for Searching Insertions in Bacterial Genes Leading to the Phase Shift of Triplet Periodicity. Genomics, Proteomics and Bioinformatics, 2011, 9, 158-170.	3.0	8
35	Study of the triplet periodicity phase shifts in genes. Journal of Integrative Bioinformatics, 2010, 7, 219-230.	1.0	7
36	Study of the triplet periodicity phase shifts in genes. Journal of Integrative Bioinformatics, 2010, 7, .	1.0	10

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37	Using Triplet Periodicity of Nucleotide Sequences for Finding Potential Reading Frame Shifts in Genes. DNA Research, 2009, 16, 105-114.	1.5	29
38	Interspecies relations between Bacillus thuringiensis strains studied by AP-PCR and sequence analysis of ribosomal operon regions. Microbiology, 2009, 78, 703-710.	0.5	2
39	Search of regular sequences in promoters from eukaryotic genomes. Computational Biology and Chemistry, 2009, 33, 196-204.	1.1	11
40	Classification analysis of a latent dinucleotide periodicity of plant genomes. Russian Journal of Genetics, 2008, 44, 101-114.	0.2	1
41	MMsatâ€"a database of potential micro- and minisatellites. Gene, 2008, 409, 53-60.	1.0	10
42	Classification analysis of triplet periodicity in protein-coding regions of genes. Gene, 2008, 421, 52-60.	1.0	34
43	Latent Periodicity of Protein Families, Identified with the Indel-Aware Algorithm. Journal of Proteome Research, 2007, 6, 862-868.	1.8	2
44	Identification of Amino Acid Latent Periodicity within 94 Protein Families. Journal of Computational Biology, 2006, 13, 946-964.	0.8	21
45	Evidence of rare codon clusters within Escherichia coli coding regions. FEMS Microbiology Letters, 2006, 155, 63-66.	0.7	12
46	Identification of latent periodicity in amino acid sequences of protein families. Biochemistry (Moscow), 2006, 71, 18-31.	0.7	4
47	Search and Classification of Potential Minisatellite Sequences from Bacterial Genomes. DNA Research, 2006, 13, 89-102.	1.5	18
48	Latent periodicity of serineâ€"threonine and tyrosine protein kinases and other protein families. Computational Biology and Chemistry, 2005, 29, 229-243.	1.1	10
49	Latent Periodicity of Serine/Threonine and Tyrosine Protein Kinases and Other Protein Families. Molecular Biology, 2005, 39, 372-386.	0.4	0
50	Obtaining of Intrapopulational Dissociants of Some Bacilli and the Use of DIR-PCR for Their Identification. Microbiology, 2004, 73, 334-341.	0.5	3
51	Genetic relationships among strains of Xanthomonas campestrispv. campestrisrevealed by novel rep-PCR primers. European Journal of Plant Pathology, 2004, 110, 845-853.	0.8	29
52	Evolution of tRNA-like sequences and genome variability. Gene, 2004, 335, 57-71.	1.0	23
53	The Informational Concept of Searching for Periodicity in Symbol Sequences. Molecular Biology, 2003, 37, 372-386.	0.4	18
54	Title is missing!. Molecular Biology, 2003, 37, 561-570.	0.4	14

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55	Information decomposition method to analyze symbolical sequences. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 312, 198-210.	0.9	58
56	Latent Periodicity of 21 Bases Typical for MCP II Gene is Widely Present in Various Bacterial Genes. DNA Sequence, 2003, 14, 33-52.	0.7	5
57	ASAP: automated sequence annotation pipeline for web-based updating of sequence information with a local dynamic database. Bioinformatics, 2003, 19, 675-676.	1.8	23
58	Occurrence of MIR Elements in the Complete Nucleotide Sequence of Human Chromosome 22. Molecular Biology, 2001, 35, 318-323.	0.4	3
59	Evolution of MIR Elements Located in the Coding Regions of Human Genome. Molecular Biology, 2001, 35, 874-882.	0.4	3
60	Relationships Among Isoacceptor tRNAs Seems to Support the Coevolution Theory of the Origin of the Genetic Code. Journal of Molecular Evolution, 1999, 48, 168-177.	0.8	28
61	Latent Periodicity of Protein Sequences. Journal of Molecular Modeling, 1999, 5, 103-115.	0.8	31
62	Latent sequence periodicity of some oncogenes and DNA-binding protein genes. Bioinformatics, 1997, 13, 37-44.	1.8	15
63	MIRs are Present in Coding Regions of Human Genes. DNA Sequence, 1997, 8, 31-38.	0.7	14
64	Identification and Interpretation of Latent Periodicity within DNA sequences. Biochemical Society Transactions, 1996, 24, 422S-422S.	1.6	0
65	Latent periodicity of DNA sequences from some human gene regions. DNA Sequence, 1995, 5, 353-358.	0.7	15
66	Fast method of homology and purine-pyrimidine mutual relations between DNA sequences search. DNA Sequence, 1994, 4, 413-415.	0.7	4