

# Eugene V Korotkov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8598741/publications.pdf>

Version: 2024-02-01

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	Information decomposition method to analyze symbolical sequences. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 312, 198-210.	0.9	58
2	Classification analysis of triplet periodicity in protein-coding regions of genes. Gene, 2008, 421, 52-60.	1.0	34
3	Latent Periodicity of Protein Sequences. Journal of Molecular Modeling, 1999, 5, 103-115.	0.8	31
4	Genetic relationships among strains of <i>Xanthomonas campestris</i> sp. <i>campestris</i> revealed by novel rep-PCR primers. European Journal of Plant Pathology, 2004, 110, 845-853.	0.8	29
5	Using Triplet Periodicity of Nucleotide Sequences for Finding Potential Reading Frame Shifts in Genes. DNA Research, 2009, 16, 105-114.	1.5	29
6	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
7	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
8	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
9	Evolution of tRNA-like sequences and genome variability. Gene, 2004, 335, 57-71.	1.0	23
10	Identification of Amino Acid Latent Periodicity within 94 Protein Families. Journal of Computational Biology, 2006, 13, 946-964.	0.8	21
11	Comparative analysis of periodicity search methods in DNA sequences. Computational Biology and Chemistry, 2014, 53, 43-48.	1.1	20
12	The Informational Concept of Searching for Periodicity in Symbol Sequences. Molecular Biology, 2003, 37, 372-386.	0.4	18
13	Search and Classification of Potential Minisatellite Sequences from Bacterial Genomes. DNA Research, 2006, 13, 89-102.	1.5	18
14	Latent periodicity of DNA sequences from some human gene regions. DNA Sequence, 1995, 5, 353-358.	0.7	15
15	Latent sequence periodicity of some oncogenes and DNA-binding protein genes. Bioinformatics, 1997, 13, 37-44.	1.8	15
16	Developing of the Computer Method for Annotation of Bacterial Genes. Advances in Bioinformatics, 2015, 2015, 1-9.	5.7	15
17	MIRs are Present in Coding Regions of Human Genes. DNA Sequence, 1997, 8, 31-38.	0.7	14
18	Title is missing!. Molecular Biology, 2003, 37, 561-570.	0.4	14

#	ARTICLE	IF	CITATIONS
19	Evidence of rare codon clusters within Escherichia coli coding regions. FEMS Microbiology Letters, 2006, 155, 63-66.	0.7	12
20	Multiple Alignment of Promoter Sequences from the Arabidopsis thaliana L. Genome. Genes, 2021, 12, 135.	1.0	12
21	Search of regular sequences in promoters from eukaryotic genomes. Computational Biology and Chemistry, 2009, 33, 196-204.	1.1	11
22	Database of Periodic DNA Regions in Major Genomes. BioMed Research International, 2017, 2017, 1-9.	0.9	11
23	Latent periodicity of serine-threonine and tyrosine protein kinases and other protein families. Computational Biology and Chemistry, 2005, 29, 229-243.	1.1	10
24	MMsat—a database of potential micro- and minisatellites. Gene, 2008, 409, 53-60.	1.0	10
25	Study of the triplet periodicity phase shifts in genes. Journal of Integrative Bioinformatics, 2010, 7, .	1.0	10
26	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
27	Study of the triplet periodicity phase shifts in genes. Journal of Integrative Bioinformatics, 2010, 7, 219-230.	1.0	7
28	Detection change points of triplet periodicity of gene. Gene, 2012, 491, 58-64.	1.0	7
29	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
30	Search for potential reading frameshifts in cds from Arabidopsis thaliana and other genomes. DNA Research, 2019, 26, 157-170.	1.5	6
31	Detection of Highly Divergent Tandem Repeats in the Rice Genome. Genes, 2021, 12, 473.	1.0	6
32	Mathematical Algorithm for Identification of Eukaryotic Promoter Sequences. Symmetry, 2021, 13, 917.	1.1	6
33	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
34	Study of triplet periodicity differences inside and between genomes. Statistical Applications in Genetics and Molecular Biology, 2015, 14, 113-23.	0.2	5
35	Fast method of homology and purine-pyrimidine mutual relations between DNA sequences search. DNA Sequence, 1994, 4, 413-415.	0.7	4
36	Identification of latent periodicity in amino acid sequences of protein families. Biochemistry (Moscow), 2006, 71, 18-31.	0.7	4

#	ARTICLE	IF	CITATIONS
37	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
38	Occurrence of MIR Elements in the Complete Nucleotide Sequence of Human Chromosome 22. Molecular Biology, 2001, 35, 318-323.	0.4	3
39	Evolution of MIR Elements Located in the Coding Regions of Human Genome. Molecular Biology, 2001, 35, 874-882.	0.4	3
40	Obtaining of Intrapopulation Dissociants of Some Bacilli and the Use of DIR-PCR for Their Identification. Microbiology, 2004, 73, 334-341.	0.5	3
41	Search for SINE repeats in the rice genome using correlation-based position weight matrices. BMC Bioinformatics, 2021, 22, 42.	1.2	3
42	Latent Periodicity of Protein Families, Identified with the Indel-Aware Algorithm. Journal of Proteome Research, 2007, 6, 862-868.	1.8	2
43	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
44	Study of the Paired Change Points in Bacterial Genes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 955-964.	1.9	2
45	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
46	Use of Mathematical Methods for the Biosafety Assessment of Agricultural Crops. Applied Biochemistry and Microbiology, 2021, 57, 271-279.	0.3	2
47	Search for Highly Divergent Tandem Repeats in Amino Acid Sequences. International Journal of Molecular Sciences, 2021, 22, 7096.	1.8	2
48	Towards the identification of the latent periodicity in DNA sequences. Mathematical Biology and Bioinformatics, 2013, 8, 529-536.	0.1	2
49	Use of 6 Nucleotide Length Words to Study the Complexity of Gene Sequences from Different Organisms. Entropy, 2022, 24, 632.	1.1	2
50	Classification analysis of a latent dinucleotide periodicity of plant genomes. Russian Journal of Genetics, 2008, 44, 101-114.	0.2	1
51	LEPSCAN—a web server for searching latent periodicity in DNA sequences. Briefings in Bioinformatics, 2012, 13, 143-149.	3.2	1
52	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
53	Study of the periodicity in Euro-US Dollar exchange rates using local alignment and random matrixes. Algorithmic Finance, 2017, 6, 23-33.	0.3	1
54	Search of Fuzzy Periods in the Works of Poetry of Different Authors. Advances in Fuzzy Systems, 2018, 2018, 1-10.	0.6	1

#	ARTICLE	IF	CITATIONS
55	Identification and Interpretation of Latent Periodicity within DNA sequences. Biochemical Society Transactions, 1996, 24, 422S-422S.	1.6	0
56	Latent Periodicity of Serine/Threonine and Tyrosine Protein Kinases and Other Protein Families. Molecular Biology, 2005, 39, 372-386.	0.4	0
57	Splicing of the triplet periodicity in genes from different species. , 2011, , .		0
58	Investigation of phase shifts for different period lengths in the genomes of <i>C. elegans</i> , <i>D. melanogaster</i> and <i>S. cerevisiae</i> . Computational Biology and Chemistry, 2014, 51, 12-21.	1.1	0
59	Search of tandem repeats with insertion and deletions in the <i>A. thaliana</i> genome. Doklady Biochemistry and Biophysics, 2017, 477, 398-400.	0.3	0
60	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
61	Cluster analysis of <i>S. Cerevisiae</i> nucleosome binding sites. Journal of Physics: Conference Series, 2017, 937, 012052.	0.3	0
62	WEB-server for search of a periodicity in amino acid and nucleotide sequences. Journal of Physics: Conference Series, 2017, 937, 012013.	0.3	0
63	New Method for Potential Fusions Detection in Protein-Coding Sequences. Journal of Computational Biology, 2019, 26, 1253-1261.	0.8	0
64	Computer Annotation of Nucleic Acid Sequences in Bacterial Genomes Using Phylogenetic Profiles. , 2015, , .		0
65	Search of Regions with Periodicity Using Random Position Weight Matrices in the Genome of <i>C. elegans</i> . Lecture Notes in Computer Science, 2017, , 445-456.	1.0	0
66	Search for Tandem Repeats in the First Chromosome from the Rice Genome. Lecture Notes in Computer Science, 2020, , 291-295.	1.0	0