

Izabela MakaÅ,owska

List of Publications by Year in descending order

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94
papers

6,378
citations

109321

35
h-index

69250

77
g-index

104
all docs

104
docs citations

104
times ranked

9348
citing authors

#	ARTICLE	IF	CITATIONS
1	SLC24A5, a Putative Cation Exchanger, Affects Pigmentation in Zebrafish and Humans. <i>Science</i> , 2005, 310, 1782-1786.	12.6	925
2	FUSARIUM-ID v. 1.0: A DNA Sequence Database for Identifying Fusarium. <i>European Journal of Plant Pathology</i> , 2004, 110, 473-479.	1.7	860
3	Tissue-Specific Expression of a Splicing Mutation in the Gene Causes Familial Dysautonomia. <i>American Journal of Human Genetics</i> , 2001, 68, 598-605.	6.2	558
4	Germline mutations in the ribonuclease L gene in families showing linkage with HPC1. <i>Nature Genetics</i> , 2002, 30, 181-184.	21.4	470
5	Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. <i>PLoS Biology</i> , 2004, 2, e162.	5.6	290
6	CACP, encoding a secreted proteoglycan, is mutated in camptodactyly-arthropathy-coxa vara-pericarditis syndrome. <i>Nature Genetics</i> , 1999, 23, 319-322.	21.4	286
7	Melanoma mouse model implicates metabotropic glutamate signaling in melanocytic neoplasia. <i>Nature Genetics</i> , 2003, 34, 108-112.	21.4	260
8	Identification of human tRNA:m5C methyltransferase catalysing intron-dependent m5C formation in the first position of the anticodon of the $\text{pre-tRNA}_{\text{Leu}}^{\text{CAA}}$. <i>Nucleic Acids Research</i> , 2006, 34, 6034-6043.	14.5	162
9	CANTATAdb: A Collection of Plant Long Non-Coding RNAs. <i>Plant and Cell Physiology</i> , 2016, 57, e8-e8.	3.1	142
10	Mutant deoxynucleotide carrier is associated with congenital microcephaly. <i>Nature Genetics</i> , 2002, 32, 175-179.	21.4	141
11	Mammalian Overlapping Genes: The Comparative Perspective. <i>Genome Research</i> , 2004, 14, 280-286.	5.5	125
12	Overlapping genes in vertebrate genomes. <i>Computational Biology and Chemistry</i> , 2005, 29, 1-12.	2.3	100
13	ChloroplastDB: the Chloroplast Genome Database. <i>Nucleic Acids Research</i> , 2006, 34, D692-D696.	14.5	88
14	Rootstock-regulated gene expression patterns associated with fire blight resistance in apple. <i>BMC Genomics</i> , 2012, 13, 9.	2.8	84
15	Rootstock-regulated gene expression patterns in apple tree scions. <i>Tree Genetics and Genomes</i> , 2010, 6, 57-72.	1.6	79
16	lncRNA-RNA Interactions across the Human Transcriptome. <i>PLoS ONE</i> , 2016, 11, e0150353.	2.5	77
17	Transposable Elements: Classification, Identification, and Their Use As a Tool For Comparative Genomics. <i>Methods in Molecular Biology</i> , 2019, 1910, 177-207.	0.9	74
18	CANTATAdb 2.0: Expanding the Collection of Plant Long Noncoding RNAs. <i>Methods in Molecular Biology</i> , 2019, 1933, 415-429.	0.9	71

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19	miRNEST 2.0: a database of plant and animal microRNAs. <i>Nucleic Acids Research</i> , 2014, 42, D74-D77.	14.5	68
20	HuntMi: an efficient and taxon-specific approach in pre-miRNA identification. <i>BMC Bioinformatics</i> , 2013, 14, 83.	2.6	67
21	<i>Phytophthora</i> Database: A Forensic Database Supporting the Identification and Monitoring of <i>Phytophthora</i>. <i>Plant Disease</i> , 2008, 92, 966-972.	1.4	64
22	Cloning and Characterization of 13 Novel Transcripts and the Human RGS8 Gene from the 1q25 Region Encompassing the Hereditary Prostate Cancer (HPC1) Locus. <i>Genomics</i> , 2001, 73, 211-222.	2.9	58
23	The Histone Database. <i>Nucleic Acids Research</i> , 2002, 30, 341-342.	14.5	58
24	The H-Invitational Database (H-InvDB), a comprehensive annotation resource for human genes and transcripts. <i>Nucleic Acids Research</i> , 2007, 36, D793-D799.	14.5	57
25	Protein-Coding Genesâ€™ Retrocopies and Their Functions. <i>Viruses</i> , 2017, 9, 80.	3.3	57
26	ERISdb: A Database of Plant Splice Sites and Splicing Signals. <i>Plant and Cell Physiology</i> , 2013, 54, e10-e10.	3.1	55
27	miRNEST database: an integrative approach in microRNA search and annotation. <i>Nucleic Acids Research</i> , 2012, 40, D198-D204.	14.5	52
28	"Orphan" Retrogenes in the Human Genome. <i>Molecular Biology and Evolution</i> , 2013, 30, 384-396.	8.9	50
29	Natural antisense transcripts in diseases: From modes of action to targeted therapies. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1461.	6.4	50
30	Comparison of Highly and Weakly Virulent <i>Dickeya solani</i> Strains, With a View on the Pangenome and Panregulon of This Species. <i>Frontiers in Microbiology</i> , 2018, 9, 1940.	3.5	50
31	Primate and Rodent Specific Intron Gains and the Origin of Retrogenes with Splice Variants. <i>Molecular Biology and Evolution</i> , 2011, 28, 33-37.	8.9	48
32	Biological Functions of Natural Antisense Transcripts. <i>Acta Biochimica Polonica</i> , 2017, 63, 665-673.	0.5	46
33	GALA, a Database for Genomic Sequence Alignments and Annotations. <i>Genome Research</i> , 2003, 13, 732-741.	5.5	45
34	Cloning and characterization of a novel gene, SHPRH, encoding a conserved putative protein with SNF2/helicase and PHD-finger domains from the 6q24 regionâ†. <i>Genomics</i> , 2003, 82, 153-161.	2.9	36
35	Origin and evolution of the chicken leukocyte receptor complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4057-4062.	7.1	36
36	Overactive BRCA1 Affects Presenilin 1 in Induced Pluripotent Stem Cell-Derived Neurons in Alzheimerâ€™s Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 175-202.	2.6	36

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37	Cloning, Mapping, and Expression of Two Novel Actin Genes, Actin-like-7A (ACTL7A) and Actin-like-7B (ACTL7B), from the Familial Dysautonomia Candidate Region on 9q31. <i>Genomics</i> , 1999, 58, 302-309.	2.9	34
38	A 6-Mb High-Resolution Physical and Transcription Map Encompassing the Hereditary Prostate Cancer 1 (HPC1) Region. <i>Genomics</i> , 2000, 64, 1-14.	2.9	33
39	The Histone Database: a comprehensive WWW resource for histones and histone fold-containing proteins. <i>Nucleic Acids Research</i> , 2000, 28, 320-322.	14.5	32
40	RetrogenesDB – A Database of Animal Retrogenes. <i>Molecular Biology and Evolution</i> , 2014, 31, 1646-1648.	8.9	31
41	Birth and death of gene overlaps in vertebrates. <i>BMC Evolutionary Biology</i> , 2007, 7, 193.	3.2	30
42	RetrogenesDB – a database of plant and animal retrocopies. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	30
43	Long-Term Waterlogging as Factor Contributing to Hypoxia Stress Tolerance Enhancement in Cucumber: Comparative Transcriptome Analysis of Waterlogging Sensitive and Tolerant Accessions. <i>Genes</i> , 2021, 12, 189.	2.4	27
44	Plant Pathogen Culture Collections: It Takes a Village to Preserve These Resources Vital to the Advancement of Agricultural Security and Plant Pathology. <i>Phytopathology</i> , 2006, 96, 920-925.	2.2	26
45	Transposable Elements and Their Identification. <i>Methods in Molecular Biology</i> , 2012, 855, 337-359.	0.9	26
46	Physical and Transcript Map of the Hereditary Prostate Cancer Region at Xq27. <i>Genomics</i> , 2002, 79, 41-50.	2.9	24
47	Identification of apple miRNAs and their potential role in fire blight resistance. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	24
48	Hypermethylation of TRIM59 and KLF14 Influences Cell Death Signaling in Familial Alzheimer’s Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	4.0	23
49	GeneMachine: gene prediction and sequence annotation. <i>Bioinformatics</i> , 2001, 17, 843-844.	4.1	22
50	Identification and characterization of mouse Rab32 by mRNA and protein expression analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1651, 68-75.	2.3	22
51	Sequence-non-specific effects generated by various types of RNA interference triggers. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 306-314.	1.9	19
52	siRNA release from pri-miRNA scaffolds is controlled by the sequence and structure of RNA. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 639-649.	1.9	17
53	SyntDB: Defining orthologues of human long noncoding RNAs across primates. <i>Nucleic Acids Research</i> , 2019, 48, D238-D245.	14.5	16
54	WebBLAST 2.0: an integrated solution for organizing and analyzing sequence data. <i>Bioinformatics</i> , 1999, 15, 422-423.	4.1	13

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55	Towards a deeper annotation of human lncRNAs. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194385.	1.9	12
56	Inter-population Differences in Retrogene Loss and Expression in Humans. <i>PLoS Genetics</i> , 2015, 11, e1005579.	3.5	12
57	The human RGL (RalGDS-like) gene: cloning, expression analysis and genomic organization. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1491, 285-288.	2.4	11
58	Comparative genomic analysis of retrogene repertoire in two green algae <i>Volvox carteri</i> and <i>Chlamydomonas reinhardtii</i> . <i>Biology Direct</i> , 2016, 11, 35.	4.6	11
59	Histone Sequence Database: sequences, structures, post-translational modifications and genetic loci. <i>Nucleic Acids Research</i> , 1999, 27, 323-324.	14.5	10
60	Transcriptional interference by small transcripts in proximal promoter regions. <i>Nucleic Acids Research</i> , 2018, 46, 1069-1088.	14.5	10
61	Comparative genomics in the search for conserved long noncoding RNAs. <i>Essays in Biochemistry</i> , 2021, 65, 741-749.	4.7	10
62	Retroposition as a source of antisense long non-coding RNAs with possible regulatory functions. <i>Acta Biochimica Polonica</i> , 2017, 63, 825-833.	0.5	10
63	Contig Map of the Parkinson's Disease Region on 4q21-q23. <i>DNA Research</i> , 1998, 5, 19-23.	3.4	9
64	Identification of six novel genes by experimental validation of GeneMachine predicted genes. <i>Gene</i> , 2002, 284, 203-213.	2.2	9
65	Not So Dead Genes – Retrocopies as Regulators of Their Disease-Related Progenitors and Hosts. <i>Cells</i> , 2021, 10, 912.	4.1	9
66	Complex Analysis of Retroposed Genes™ Contribution to Human Genome, Proteome and Transcriptome. <i>Genes</i> , 2020, 11, 542.	2.4	8
67	lncEvo: automated identification and conservation study of long noncoding RNAs. <i>BMC Bioinformatics</i> , 2021, 22, 59.	2.6	8
68	A chromatin-associated splicing isoform of <i>OIP5-AS1</i> acts in <i>cis</i> to regulate the <i>OIP5</i> oncogene. <i>RNA Biology</i> , 2021, 18, 1834-1845.	3.1	8
69	The Mediating Role of the Gut Microbiota in the Physical Growth of Children. <i>Life</i> , 2022, 12, 152.	2.4	8
70	Cancer, Retrogenes, and Evolution. <i>Life</i> , 2021, 11, 72.	2.4	7
71	Comparative analysis of an unusual gene arrangement in the human chromosome 1. <i>Gene</i> , 2008, 423, 172-179.	2.2	6
72	OverGeneDB: a database of 5' end protein coding overlapping genes in human and mouse genomes. <i>Nucleic Acids Research</i> , 2018, 46, D186-D193.	14.5	6

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73	Cloning, mapping, and expression of a novel brain-specific transcript in the Familial Dysautonomia candidate region on Chromosome 9q31. <i>Mammalian Genome</i> , 2000, 11, 81-83.	2.2	5
74	Characterization of the mitochondrial genome of <i>Rousettus leschenaulti</i> . <i>Mitochondrial DNA</i> , 2014, 25, 443-444.	0.6	5
75	Cloning, genomic organization and expression of a putative human transmembrane protein related to the <i>Caenorhabditis elegans</i> M01F1.4 gene. <i>Gene</i> , 1999, 240, 67-73.	2.2	4
76	ROOTSTOCK-REGULATED GENE EXPRESSION PROFILING IN APPLE TREES REVEALS GENES WHOSE EXPRESSION LEVELS ARE ASSOCIATED WITH FIRE BLIGHT RESISTANCE. <i>Acta Horticulturae</i> , 2011, , 87-93.	0.2	4
77	Promoter switching in response to changing environment and elevated expression of protein-coding genes overlapping at their 5' ends. <i>Scientific Reports</i> , 2021, 11, 8984.	3.3	4
78	Isolation and characterization of the human homeobox gene HOX D1. <i>Molecular Biology Reports</i> , 2000, 27, 195-201.	2.3	3
79	Application of the Burrows-Wheeler Transform for Searching for Approximate Tandem Repeats. <i>Lecture Notes in Computer Science</i> , 2012, , 255-266.	1.3	3
80	Genomes and evolution. <i>Current Opinion in Genetics and Development</i> , 1999, 9, 619-620.	3.3	1
81	Chromosomes and expression mechanisms. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 139-140.	3.3	1
82	Genetics of disease Web alert. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 245-246.	3.3	1
83	Differentiation and gene regulation. <i>Current Opinion in Genetics and Development</i> , 1999, 9, 495-496.	3.3	0
84	Pattern formation and developmental mechanisms. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 345-346.	3.3	0
85	Genomes and evolution. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 591.	3.3	0
86	Oncogenes and cell proliferation. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 11-12.	3.3	0
87	Oncogenes and cell proliferation. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 9-10.	3.3	0
88	Pattern formation and developmental mechanisms. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 361-362.	3.3	0
89	Chromosomes and expression mechanisms. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 125-126.	3.3	0
90	Genetics of disease. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 261-262.	3.3	0

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91	Pattern formation and developmental mechanisms. Current Opinion in Genetics and Development, 2002, 12, 381-382.	3.3	0
92	Genomes and evolution. Current Opinion in Genetics and Development, 2002, 12, 629.	3.3	0
93	Overlapping genes in the human genome. , 2005, , .		0
94	Functional Retrogenes in Animal Genomes. , 2012, , 283-300.		0