

George Krasnov

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

3,805
citations

136740

32
h-index

149479

56
g-index

121
all docs

121
docs citations

121
times ranked

5139
citing authors

#	ARTICLE	IF	CITATIONS
1	ROS Generation and Antioxidant Defense Systems in Normal and Malignant Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-17.	1.9	496
2	Mitochondrial dysfunction and oxidative stress in aging and cancer. <i>Oncotarget</i> , 2016, 7, 44879-44905.	0.8	381
3	Microbial Community Structure of Activated Sludge in Treatment Plants with Different Wastewater Compositions. <i>Frontiers in Microbiology</i> , 2016, 7, 90.	1.5	160
4	Targeting VDAC-bound hexokinase II: a promising approach for concomitant anti-cancer therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 1221-1233.	1.5	122
5	Important molecular genetic markers of colorectal cancer. <i>Oncotarget</i> , 2016, 7, 53959-53983.	0.8	91
6	Genetic and epigenetic analysis of non-small cell lung cancer with NotI-microarrays. <i>Epigenetics</i> , 2012, 7, 502-513.	1.3	88
7	Differential Expression of CHL1 Gene during Development of Major Human Cancers. <i>PLoS ONE</i> , 2011, 6, e15612.	1.1	84
8	Deregulation of glycolysis in cancer: glyceraldehyde-3-phosphate dehydrogenase as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 681-693.	1.5	82
9	A comparison of the transcriptome of <i>Drosophila melanogaster</i> in response to entomopathogenic fungus, ionizing radiation, starvation and cold shock. <i>BMC Genomics</i> , 2015, 16, S8.	1.2	76
10	Long-term fertilization rather than plant species shapes rhizosphere and bulk soil prokaryotic communities in agroecosystems. <i>Applied Soil Ecology</i> , 2020, 154, 103641.	2.1	69
11	Gene expression profiling of flax (<i>Linum usitatissimum</i> L.) under edaphic stress. <i>BMC Plant Biology</i> , 2016, 16, 237.	1.6	68
12	PPLine: An Automated Pipeline for SNP, SAP, and Splice Variant Detection in the Context of Proteogenomics. <i>Journal of Proteome Research</i> , 2015, 14, 3729-3737.	1.8	64
13	The Dysregulation of Polyamine Metabolism in Colorectal Cancer Is Associated with Overexpression of c-Myc and C/EBP β rather than Enterotoxigenic <i>Bacteroides fragilis</i> Infection. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	63
14	Novel tumor suppressor candidates on chromosome 3 revealed by NotI-microarrays in cervical cancer. <i>Epigenetics</i> , 2013, 8, 409-420.	1.3	61
15	Differential gene expression in response to <i>Fusarium oxysporum</i> infection in resistant and susceptible genotypes of flax (<i>Linum usitatissimum</i> L.). <i>BMC Plant Biology</i> , 2017, 17, 253.	1.6	61
16	Does fresh farmyard manure introduce surviving microbes into soil or activate soil-borne microbiota?. <i>Journal of Environmental Management</i> , 2021, 294, 113018.	3.8	60
17	Glutathione S-transferases and UDP-glycosyltransferases Are Involved in Response to Aluminum Stress in Flax. <i>Frontiers in Plant Science</i> , 2016, 7, 1920.	1.7	55
18	Enteric alpha defensins in norm and pathology. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2012, 11, 1.	1.7	53

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19	Epigenetic Alterations of Chromosome 3 Revealed by NotI-Microarrays in Clear Cell Renal Cell Carcinoma. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	53
20	Simultaneous down-regulation of tumor suppressor genes RBSP3/CTDSPL, NPRL2/G21 and RASSF1A in primary non-small cell lung cancer. <i>BMC Cancer</i> , 2010, 10, 75.	1.1	51
21	RPN1, a new reference gene for quantitative data normalization in lung and kidney cancer. <i>Molecular Biology</i> , 2011, 45, 211-220.	0.4	50
22	Differential expression of alternatively spliced transcripts related to energy metabolism in colorectal cancer. <i>BMC Genomics</i> , 2016, 17, 1011.	1.2	50
23	Effect of Low Doses (5-40 cGy) of Gamma-irradiation on Lifespan and Stress-related Genes Expression Profile in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0133840.	1.1	45
24	HK3 overexpression associated with epithelial-mesenchymal transition in colorectal cancer. <i>BMC Genomics</i> , 2018, 19, 113.	1.2	45
25	Tumor Suppressor Function of the SEMA3B Gene in Human Lung and Renal Cancers. <i>PLoS ONE</i> , 2015, 10, e0123369.	1.1	44
26	Identification, Expression Analysis, and Target Prediction of Flax Genotroph MicroRNAs Under Normal and Nutrient Stress Conditions. <i>Frontiers in Plant Science</i> , 2016, 7, 399.	1.7	43
27	Pan-Cancer Analysis of TCGA Data Revealed Promising Reference Genes for qPCR Normalization. <i>Frontiers in Genetics</i> , 2019, 10, 97.	1.1	43
28	Identification of Novel Epigenetic Markers of Prostate Cancer by NotI-Microarray Analysis. <i>Disease Markers</i> , 2015, 2015, 1-13.	0.6	41
29	CrossHub: a tool for multi-way analysis of The Cancer Genome Atlas (TCGA) in the context of gene expression regulation mechanisms. <i>Nucleic Acids Research</i> , 2016, 44, e62-e62.	6.5	41
30	Molecular Mechanisms Underlying Neuroprotective Effect of Intranasal Administration of Human Hsp70 in Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1415-1426.	1.2	38
31	Expression of long non-coding RNA LINC00973 is consistently increased upon treatment of colon cancer cells with different chemotherapeutic drugs. <i>Biochimie</i> , 2018, 151, 67-72.	1.3	38
32	Molecular markers of paragangliomas/pheochromocytomas. <i>Oncotarget</i> , 2017, 8, 25756-25782.	0.8	36
33	Effect of lentivirus-mediated shRNA inactivation of HK1, HK2, and HK3 genes in colorectal cancer and melanoma cells. <i>BMC Genetics</i> , 2016, 17, 156.	2.7	33
34	Excess fertilizer responsive miRNAs revealed in <i>Linum usitatissimum</i> L. <i>Biochimie</i> , 2015, 109, 36-41.	1.3	31
35	Transcriptome Analysis of Long-lived <i>Drosophila melanogaster</i> E(z) Mutants Sheds Light on the Molecular Mechanisms of Longevity. <i>Scientific Reports</i> , 2019, 9, 9151.	1.6	31
36	NotI Microarrays: Novel Epigenetic Markers for Early Detection and Prognosis of High Grade Serous Ovarian Cancer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13352-13377.	1.8	30

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37	Mineral and Organic Fertilizers Distinctly Affect Fungal Communities in the Crop Rhizosphere. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 251.	1.5	30
38	The influence of pro-longevity gene <i>Gclc</i> overexpression on the age-dependent changes in <i>Drosophila</i> transcriptome and biological functions. <i>BMC Genomics</i> , 2016, 17, 1046.	1.2	28
39	Flax (<i>Linum usitatissimum</i> L.) response to non-optimal soil acidity and zinc deficiency. <i>BMC Plant Biology</i> , 2019, 19, 54.	1.6	28
40	Genome Sequencing of Fiber Flax Cultivar Atlant Using Oxford Nanopore and Illumina Platforms. <i>Frontiers in Genetics</i> , 2020, 11, 590282.	1.1	28
41	Downregulation of <i>RBSP3/CTDSPL</i> , <i>NPRL2/G21</i> , <i>RASSF1A</i> , <i>ITGA9</i> , <i>HYAL1</i> , and <i>HYAL2</i> in non-small cell lung cancer. <i>Molecular Biology</i> , 2008, 42, 859-869.	0.4	26
42	miR319, miR390, and miR393 Are Involved in Aluminum Response in Flax (<i>Linum usitatissimum</i> L.). <i>BioMed Research International</i> , 2017, 2017, 1-6.	0.9	26
43	Exome analysis of carotid body tumor. <i>BMC Medical Genomics</i> , 2018, 11, 17.	0.7	26
44	Interplay between recombinant Hsp70 and proteasomes: proteasome activity modulation and ubiquitin-independent cleavage of Hsp70. <i>Cell Stress and Chaperones</i> , 2017, 22, 687-697.	1.2	25
45	Evolution of blue-flowered species of genus <i>Linum</i> based on high-throughput sequencing of ribosomal RNA genes. <i>BMC Evolutionary Biology</i> , 2017, 17, 253.	3.2	25
46	Protective effects of carotenoid fucoxanthin in fibroblasts cellular senescence. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111260.	2.2	25
47	Increase in <i>NETO2</i> gene expression is a potential molecular genetic marker in renal and lung cancers. <i>Russian Journal of Genetics</i> , 2012, 48, 506-512.	0.2	22
48	High-Quality Genome Assembly of <i>Fusarium oxysporum</i> f. sp. <i>lini</i> . <i>Frontiers in Genetics</i> , 2020, 11, 959.	1.1	22
49	Genetic diversity of <i>SAD</i> and <i>FAD</i> genes responsible for the fatty acid composition in flax cultivars and lines. <i>BMC Plant Biology</i> , 2020, 20, 301.	1.6	22
50	H2S counteracts proinflammatory effects of LPS through modulation of multiple pathways in human cells. <i>Inflammation Research</i> , 2020, 69, 481-495.	1.6	22
51	Differentially Expressed Genes Associated With Prognosis in Locally Advanced Lymph Node-Negative Prostate Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 730.	1.1	21
52	The CIMP-high phenotype is associated with energy metabolism alterations in colon adenocarcinoma. <i>BMC Medical Genetics</i> , 2019, 20, 52.	2.1	20
53	Expression of <i>FTL</i> and <i>FTH</i> genes encoding ferritin subunits in lung and renal carcinomas. <i>Molecular Biology</i> , 2009, 43, 972-981.	0.4	18
54	miRNAs expression signature potentially associated with lymphatic dissemination in locally advanced prostate cancer. <i>BMC Medical Genomics</i> , 2020, 13, 129.	0.7	18

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55	The Effect of Human HSP70 Administration on a Mouse Model of Alzheimer's Disease Strongly Depends on Transgenicity and Age. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 1391-1404.	1.2	16
56	Characterization of repeated DNA sequences in genomes of blue-flowered flax. <i>BMC Evolutionary Biology</i> , 2019, 19, 49.	3.2	16
57	Sex-specific polymorphism of MET1 and ARR17 genes in <i>Populus sibirica</i> . <i>Biochimie</i> , 2019, 162, 26-32.	1.3	16
58	Bioinformatic identification of differentially expressed genes associated with prognosis of locally advanced lymph node-positive prostate cancer. <i>Journal of Bioinformatics and Computational Biology</i> , 2019, 17, 1950003.	0.3	16
59	Mutation Frequency in Main Susceptibility Genes Among Patients With Head and Neck Paragangliomas. <i>Frontiers in Genetics</i> , 2020, 11, 614908.	1.1	16
60	Multi-Omics Analysis of Glioblastoma Cells' Sensitivity to Oncolytic Viruses. <i>Cancers</i> , 2021, 13, 5268.	1.7	16
61	Data on genetic polymorphism of flax (<i>Linum usitatissimum</i> L.) pathogenic fungi of <i>Fusarium</i> , <i>Colletotrichum</i> , <i>Aureobasidium</i> , <i>Septoria</i> , and <i>Melampsora</i> genera. <i>Data in Brief</i> , 2020, 31, 105710.	0.5	15
62	Gut dysbiosis and small intestinal bacterial overgrowth as independent forms of gut microbiota disorders in cirrhosis. <i>World Journal of Gastroenterology</i> , 2022, 28, 1067-1077.	1.4	15
63	Gene Expression Changes and Associated Pathways Involved in the Progression of Prostate Cancer Advanced Stages. <i>Frontiers in Genetics</i> , 2020, 11, 613162.	1.1	14
64	Activation of Polyamine Catabolism by N1,N11-Diethylnorspermine in Hepatic HepaRG Cells Induces Dedifferentiation and Mesenchymal-Like Phenotype. <i>Cells</i> , 2018, 7, 275.	1.8	13
65	Immunohistochemistry and Mutation Analysis of SDHx Genes in Carotid Paragangliomas. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6950.	1.8	13
66	Tissue-Specific Alternative Splicing Analysis Reveals the Diversity of Chromosome 18 Transcriptome. <i>Journal of Proteome Research</i> , 2014, 13, 173-182.	1.8	12
67	Mutational load in carotid body tumor. <i>BMC Medical Genomics</i> , 2019, 12, 39.	0.7	12
68	Tumor suppressor properties of the small C-terminal domain phosphatases in non-small cell lung cancer. <i>Bioscience Reports</i> , 2019, 39, .	1.1	12
69	Identification of proteins with altered expression in colorectal cancer by means of 2D-proteomics. <i>Molecular Biology</i> , 2009, 43, 321-328.	0.4	11
70	Deep Sequencing Revealed a CpG Methylation Pattern Associated With ALDH1L1 Suppression in Breast Cancer. <i>Frontiers in Genetics</i> , 2018, 9, 169.	1.1	11
71	Platinum-based chemotherapy for pancreatic cancer: impact of mutations in the homologous recombination repair and Fanconi anemia genes. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592210830.	1.4	11
72	Effects of Three Pesticides on the Earthworm <i>Lumbricus terrestris</i> Gut Microbiota. <i>Frontiers in Microbiology</i> , 2022, 13, 853535.	1.5	11

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73	Structure and function of enteric $\hat{\pm}$ -defensins in norm and pathology. <i>Molecular Biology</i> , 2012, 46, 27-33.	0.4	10
74	A new reference gene, Ef1A, for quantitative real-time PCR assay of the starfish <i>Asterias rubens</i> pyloric ceca. <i>Doklady Biological Sciences</i> , 2013, 452, 310-312.	0.2	10
75	Aluminum Responsive Genes in Flax (<i>Linum usitatissimum</i> L.). <i>BioMed Research International</i> , 2019, 2019, 1-11.	0.9	10
76	Effects of <i>Abies sibirica</i> terpenes on cancer- and aging-associated pathways in human cells. <i>Oncotarget</i> , 2016, 7, 83744-83754.	0.8	10
77	Molecular mechanisms of exceptional lifespan increase of <i>Drosophila melanogaster</i> with different genotypes after combinations of pro-longevity interventions. <i>Communications Biology</i> , 2022, 5, .	2.0	10
78	Treatment of cancer cells with chemotherapeutic drugs results in profound changes in expression of genes encoding aldehyde-metabolizing enzymes. <i>Journal of Cancer</i> , 2019, 10, 4256-4263.	1.2	9
79	Genome Assembly and Sex-Determining Region of Male and Female <i>Populus Æ— sibirica</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 625416.	1.7	9
80	Genes Associated with the Flax Plant Type (Oil or Fiber) Identified Based on Genome and Transcriptome Sequencing Data. <i>Plants</i> , 2021, 10, 2616.	1.6	9
81	The Neuronal Overexpression of Gclc in <i>Drosophila melanogaster</i> Induces Life Extension With Longevity-Associated Transcriptomic Changes in the Thorax. <i>Frontiers in Genetics</i> , 2019, 10, 149.	1.1	8
82	NETO2 Is Deregulated in Breast, Prostate, and Colorectal Cancer and Participates in Cellular Signaling. <i>Frontiers in Genetics</i> , 2020, 11, 594933.	1.1	8
83	Transcriptomes of Different Tissues of Flax (<i>Linum usitatissimum</i> L.) Cultivars With Diverse Characteristics. <i>Frontiers in Genetics</i> , 2020, 11, 565146.	1.1	8
84	Spatial Changes in Microbial Communities along Different Functional Zones of a Free-Water Surface Wetland. <i>Microorganisms</i> , 2020, 8, 1604.	1.6	7
85	Mutation profiling in eight cases of vagal paragangliomas. <i>BMC Medical Genomics</i> , 2020, 13, 115.	0.7	7
86	Impact TMRSS2â€“ERG Molecular Subtype on Prostate Cancer Recurrence. <i>Life</i> , 2021, 11, 588.	1.1	7
87	Highly divergent isolates of chrysanthemum virus B and chrysanthemum virus R infecting chrysanthemum in Russia. <i>PeerJ</i> , 2022, 10, e12607.	0.9	7
88	Gut dysbiosis and body composition in cirrhosis. <i>World Journal of Hepatology</i> , 2022, 14, 1210-1225.	0.8	7
89	Spontaneous gain of susceptibility suggests a novel mechanism of resistance to hybrid dysgenesis in <i>Drosophila virilis</i> . <i>PLoS Genetics</i> , 2018, 14, e1007400.	1.5	6
90	Multiple paragangliomas: a case report. <i>BMC Medical Genomics</i> , 2020, 13, 125.	0.7	6

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91	Somatic Mutation Profiling in Head and Neck Paragangliomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1833-1842.	1.8	6
92	Immunosuppressive domains of retroviruses: Cell mechanisms of the effect on the human immune system. <i>Molecular Biology</i> , 2013, 47, 613-621.	0.4	5
93	LINC00973 Induces Proliferation Arrest of Drug-Treated Cancer Cells by Preventing p21 Degradation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8322.	1.8	5
94	The Use of Thermal Dissociation for Selection of DNA Aptamers. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 551-556.	0.3	5
95	De Novo Transcriptome Profiling of Brain Tissue from the Annual Killifish <i>Nothobranchius guentheri</i> . <i>Life</i> , 2021, 11, 137.	1.1	5
96	Genetics polymorphism of poplars from Moscow region based on high-throughput sequencing of ITS. <i>Vavilovskii Zhurnal Genetiki i Seleksii</i> , 2018, 22, 531-535.	0.4	5
97	Taxonomic Diversity of Fungi and Bacteria in Azo-NP Vertical Flow Constructed Wetlands. <i>Water (Switzerland)</i> , 2022, 14, 698.	1.2	5
98	Proteomic expression analysis of human colorectal cancer: Identification of soluble overexpressed proteins. <i>Molecular Biology</i> , 2009, 43, 562-566.	0.4	4
99	Estimation of the efficiency of 2D analysis and bioinformatics search in identification of protein markers for colon tumors. <i>Molecular Biology</i> , 2010, 44, 334-340.	0.4	4
100	Search for protein markers for serum diagnostics of tumors by analysis of microRNA expression profiles. <i>Molecular Biology</i> , 2011, 45, 337-342.	0.4	4
101	Novel potential causative genes in carotid paragangliomas. <i>BMC Medical Genetics</i> , 2019, 20, 48.	2.1	4
102	Intestinal Microbiota in Patients with Chronic Heart Failure and Systolic Dysfunction. <i>Russian Journal of Gastroenterology Hepatology Coloproctology</i> , 2020, 30, 35-44.	0.2	4
103	Differentially methylated CpG sites associated with the high-risk group of prostate cancer. <i>Journal of Integrative Bioinformatics</i> , 2020, 17, .	1.0	4
104	Activation of the hTERT expression in squamous cell cervical carcinoma is not associated with gene amplification. <i>Oncology Reports</i> , 2008, 20, 469-74.	1.2	4
105	Clarification of the Position of <i>Linum stelleroides</i> Planch. within the Phylogeny of the Genus <i>Linum</i> L.. <i>Plants</i> , 2022, 11, 652.	1.6	4
106	Identification of proteins overexpressed in papillary thyroid tumors. <i>Biochemistry (Moscow)</i> , 2010, 75, 1148-1152.	0.7	3
107	Methods of searching for markers for serological serum diagnosis of tumors. <i>Molecular Biology</i> , 2013, 47, 1-11.	0.4	3
108	A new reliable reference gene UBA52 for quantitative real-time polymerase chain reaction studies in pyloric cecal tissues of the starfish <i>Asterias rubens</i> . <i>Genetics and Molecular Research</i> , 2014, 13, 3972-3980.	0.3	3

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109	MethyMer: Design of combinations of specific primers for bisulfite sequencing of complete CpG islands. <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1840004.	0.3	3
110	Human Chr18 transcriptome dataset combined from the Illumina HiSeq, ONT MinION, and qPCR data. <i>Data in Brief</i> , 2021, 36, 107130.	0.5	3
111	The Effect of Meclofenoxate on the Transcriptome of Aging Brain of <i>Nothobranchius guentheri</i> Annual Killifish. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2491.	1.8	3
112	Efficacy and safety of a food supplement with standardized menthol, limonene, and gingerol content in patients with irritable bowel syndrome: A double-blind, randomized, placebo-controlled trial. <i>PLoS ONE</i> , 2022, 17, e0263880.	1.1	3
113	Activation of the hTERT expression in squamous cell cervical carcinoma is not associated with gene amplification. <i>Oncology Reports</i> , 1994, 20, 469.	1.2	2
114	Genome and Transcriptome Sequencing of <i>Populus Æ— sibirica</i> Identified Sex-Associated Allele-Specific Expression of the CLC Gene. <i>Frontiers in Genetics</i> , 2021, 12, 676935.	1.1	2
115	Effects of Siberian fir terpenes extract Abisil on antioxidant activity, autophagy, transcriptome and proteome of human fibroblasts. <i>Aging</i> , 2021, 13, 20050-20080.	1.4	2
116	The Indigenous endomycorrhizal fungi at salak (<i>Salacca zalacca</i>) plantations in Bali, Indonesia and their colonization of the roots. <i>Biodiversitas</i> , 2019, 20, .	0.2	2
117	Case Report: Genetic Alterations Associated with the Progression of Carotid Paraganglioma. <i>Current Issues in Molecular Biology</i> , 2021, 43, 2266-2275.	1.0	2
118	Identification of proteins overexpressed in malignant gastric tumors: Comparison of results obtained by 2DE and bioinformatic search. <i>Molecular Biology</i> , 2011, 45, 680-685.	0.4	0