Gregory V Kryukov

List of Publications by Year
in descending order

62	37,966	36691 53	134545 62
papers	citations	h-index	g-index

64	64	64	59654
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implementation of a prostate cancerâ€specific targeted sequencing panel for credentialing of patientâ€derived cell lines and genomic characterization of patient samples. Prostate, 2022, , .	1.2	1
2	Quantitative Proteomics of the Cancer Cell Line Encyclopedia. Cell, 2020, 180, 387-402.e16.	13.5	596
3	Next-generation characterization of the Cancer Cell Line Encyclopedia. Nature, 2019, 569, 503-508.	13.7	2,149
4	The landscape of cancer cell line metabolism. Nature Medicine, 2019, 25, 850-860.	15.2	350
5	Defining a Cancer Dependency Map. Cell, 2017, 170, 564-576.e16.	13.5	1,794
6	Opposing effects of cancer-type-specific SPOP mutants on BET protein degradation and sensitivity to BET inhibitors. Nature Medicine, 2017, 23, 1046-1054.	15.2	145
7	Analysis of cancer genomes reveals basic features of human aging and its role in cancer development. Nature Communications, 2016, 7, 12157.	5.8	81
8	Integrated genetic and pharmacologic interrogation of rare cancers. Nature Communications, 2016, 7, 11987.	5.8	45
9	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	1.6	207
10	Genomic Copy Number Dictates a Gene-Independent Cell Response to CRISPR/Cas9 Targeting. Cancer Discovery, 2016, 6, 914-929.	7.7	485
11	Genetic Effect of Chemotherapy Exposure in Children of Testicular Cancer Survivors. Clinical Cancer Research, 2016, 22, 2183-2189.	3.2	15
12	MTAP deletion confers enhanced dependency on the PRMT5 arginine methyltransferase in cancer cells. Science, 2016, 351, 1214-1218.	6.0	396
13	Somatic ERCC2 Mutations Correlate with Cisplatin Sensitivity in Muscle-Invasive Urothelial Carcinoma. Cancer Discovery, 2014, 4, 1140-1153.	7.7	506
14	The Genetic Landscape of Clinical Resistance to RAF Inhibition in Metastatic Melanoma. Cancer Discovery, 2014, 4, 94-109.	7.7	782
15	ARID1B is a specific vulnerability in ARID1A-mutant cancers. Nature Medicine, 2014, 20, 251-254.	15.2	336
16	MAP Kinase Pathway Alterations in BRAF-Mutant Melanoma Patients with Acquired Resistance to Combined RAF/MEK Inhibition. Cancer Discovery, 2014, 4, 61-68.	7.7	419
17	Whole-exome sequencing and clinical interpretation of formalin-fixed, paraffin-embedded tumor samples to guide precision cancer medicine. Nature Medicine, 2014, 20, 682-688.	15.2	508
18	An APOBEC cytidine deaminase mutagenesis pattern is widespread in human cancers. Nature Genetics, 2013, 45, 970-976.	9.4	1,023

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19	An Interactive Resource to Identify Cancer Genetic and Lineage Dependencies Targeted by Small Molecules. Cell, 2013, 154, 1151-1161.	13.5	615
20	Oncogenic and drug-sensitive NTRK1 rearrangements in lung cancer. Nature Medicine, 2013, 19, 1469-1472.	15.2	526
21	Global chromatin profiling reveals NSD2 mutations in pediatric acute lymphoblastic leukemia. Nature Genetics, 2013, 45, 1386-1391.	9.4	238
22	Highly Recurrent TERT Promoter Mutations in Human Melanoma. Science, 2013, 339, 957-959.	6.0	1,621
23	Impact of deleterious passenger mutations on cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2910-2915.	3.3	274
24	Punctuated Evolution of Prostate Cancer Genomes. Cell, 2013, 153, 666-677.	13.5	1,107
25	Mutational heterogeneity in cancer and the search for new cancer-associated genes. Nature, 2013, 499, 214-218.	13.7	4,761
26	Clustered Mutations in Yeast and in Human Cancers Can Arise from Damaged Long Single-Strand DNA Regions. Molecular Cell, 2012, 46, 424-435.	4.5	379
27	iSyTE:<u>I</u>ntegrated<u>Sy</u>stems<u>T</u>ool for<u>E</u>ye Gene Discovery. , 2012, 53, 1617.		89
28	The Cancer Cell Line Encyclopedia enables predictive modelling of anticancer drug sensitivity. Nature, 2012, 483, 603-607.	13.7	6,473
29	A Landscape of Driver Mutations in Melanoma. Cell, 2012, 150, 251-263.	13.5	2,247
30	The Mutational Landscape of Head and Neck Squamous Cell Carcinoma. Science, 2011, 333, 1157-1160.	6.0	2,225
31	Genome sequencing reveals insights into physiology and longevity of the naked mole rat. Nature, 2011, 479, 223-227.	13.7	517
32	Pooled Association Tests for Rare Variants in Exon-Resequencing Studies. American Journal of Human Genetics, 2010, 86, 832-838.	2.6	715
33	Pooled Association Tests for Rare Variants in Exon-Resequencing Studies. American Journal of Human Genetics, 2010, 86, 982.	2.6	11
34	Multiplex padlock targeted sequencing reveals human hypermutable CpG variations. Genome Research, 2009, 19, 1606-1615.	2.4	62
35	Power of deep, all-exon resequencing for discovery of human trait genes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3871-3876.	3.3	147
36	Human mutation rate associated with DNA replication timing. Nature Genetics, 2009, 41, 393-395.	9.4	371

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37	Selenoprotein H Is a Nucleolar Thioredoxin-like Protein with a Unique Expression Pattern. Journal of Biological Chemistry, 2007, 282, 11960-11968.	1.6	104
38	Widely distributed noncoding purifying selection in the human genome. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12410-12415.	3.3	84
39	Medical Sequencing at the Extremes of Human Body Mass. American Journal of Human Genetics, 2007, 80, 779-791.	2.6	199
40	Most Rare Missense Alleles Are Deleterious in Humans: Implications for Complex Disease and Association Studies. American Journal of Human Genetics, 2007, 80, 727-739.	2.6	547
41	New Developments in Selenium Biochemistry: Selenocysteine Biosynthesis in Eukaryotes and Archaea. Biological Trace Element Research, 2007, 119, 234-241.	1.9	41
42	Is there a twenty third amino acid in the genetic code?. Trends in Genetics, 2006, 22, 357-360.	2.9	22
43	The Plasmodium selenoproteome. Nucleic Acids Research, 2006, 34, 496-505.	6.5	68
44	Small fitness effect of mutations in highly conserved non-coding regions. Human Molecular Genetics, 2005, 14, 2221-2229.	1.4	74
45	Evolutionary constraints in conserved nongenic sequences of mammals. Genome Research, 2005, 15, 1373-1378.	2.4	50
46	Nematode selenoproteome: the use of the selenocysteine insertion system to decode one codon in an animal genome?. Nucleic Acids Research, 2005, 33, 2227-2238.	6.5	76
47	IDENTIFICATION OF TRACE ELEMENTâ€“CONTAINING PROTEINS IN GENOMIC DATABASES. Annual Review of Nutrition, 2004, 24, 579-596.	4.3	63
48	Identification and characterization of phosphoseryl-tRNA[Ser]Sec kinase. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12848-12853.	3.3	410
49	Reconsidering the evolution of eukaryotic selenoproteins: a novel nonmammalian family with scattered phylogenetic distribution. EMBO Reports, 2004, 5, 71-77.	2.0	99
50	The prokaryotic selenoproteome. EMBO Reports, 2004, 5, 538-543.	2.0	203
51	Spatial and temporal expression patterns of selenoprotein genes during embryogenesis in zebrafish. Gene Expression Patterns, 2003, 3, 525-532.	0.3	109
52	Characterization of Mammalian Selenoproteomes. Science, 2003, 300, 1439-1443.	6.0	2,019
53	Selenoprotein R is a zinc-containing stereo-specific methionine sulfoxide reductase. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4245-4250.	3.3	246
54	Mammalian Selenoprotein Gene Signature: Identification and Functional Analysis of Selenoprotein Genes Using Bioinformatics Methods. Methods in Enzymology, 2002, 347, 84-100.	0.4	45

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55	Selenoproteins and selenocysteine insertion system in the model plant cell system, Chlamydomonas reinhardtii. EMBO Journal, 2002, 21, 3681-3693.	3.5	257
56	Evolution of selenocysteineâ€containing proteins: Significance of identification and functional characterization of selenoproteins. BioFactors, 2001, 14, 87-92.	2.6	77
57	Identification and Characterization of a New Mammalian Glutaredoxin (Thioltransferase), Grx2. Journal of Biological Chemistry, 2001, 276, 30374-30380.	1.6	201
58	Selenium Metabolism in Drosophila. Journal of Biological Chemistry, 2001, 276, 29798-29804.	1.6	119
59	Selective Inhibition of Selenocysteine tRNA Maturation and Selenoprotein Synthesis in Transgenic Mice Expressing Isopentenyladenosine-Deficient Selenocysteine tRNA. Molecular and Cellular Biology, 2001, 21, 3840-3852.	1.1	124
60	Selenium metabolism in zebrafish: multiplicity of selenoprotein genes and expression of a protein containing 17 selenocysteine residues. Genes To Cells, 2000, 5, 1049-1060.	0.5	113
61	New Mammalian Selenocysteine-containing Proteins Identified with an Algorithm That Searches for Selenocysteine Insertion Sequence Elements. Journal of Biological Chemistry, 1999, 274, 33888-33897.	1.6	217
62	Selenocysteine-Containing Thioredoxin Reductase in C. elegans. Biochemical and Biophysical Research Communications, 1999, 259, 244-249.	1.0	82