

# Boris P Kopnin

## List of Publications by Year in descending order

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59  
papers

2,192  
citations

218381

26  
h-index

223531

46  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2375  
citing authors

#	ARTICLE	IF	CITATIONS
1	An attempt to prevent senescence: A mitochondrial approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 437-461.	0.5	359
2	Chromosomes in acute leukemia. <i>Human Genetics</i> , 1979, 53, 5-16.	1.8	151
3	Repression of Sestrin Family Genes Contributes to Oncogenic Ras-Induced Reactive Oxygen Species Up-regulation and Genetic Instability. <i>Cancer Research</i> , 2007, 67, 4671-4678.	0.4	123
4	Novel gain of function activity of p53 mutants: activation of the dUTPase gene expression leading to resistance to 5-fluorouracil. <i>Oncogene</i> , 2002, 21, 4595-4600.	2.6	95
5	p53 hot-spot mutants increase tumor vascularization via ROS-mediated activation of the HIF1/VEGF-A pathway. <i>Cancer Letters</i> , 2009, 276, 143-151.	3.2	92
6	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 3. Inhibitory effect of SkQ1 on tumor development from p53-deficient cells. <i>Biochemistry (Moscow)</i> , 2008, 73, 1300-1316.	0.7	82
7	Chromosome abnormalities and clinical and morphologic manifestations of chronic myeloid leukemia. <i>Human Genetics</i> , 1978, 41, 143-56.	1.8	79
8	Disruption of actin microfilaments by cytochalasin D leads to activation of p53. <i>FEBS Letters</i> , 1998, 430, 353-357.	1.3	75
9	Cytogenetic toxicity of cyclophosphamide and its metabolites in vitro. <i>Cytogenetic and Genome Research</i> , 1980, 26, 108-116.	0.6	70
10	ROS up-regulation mediates Ras-induced changes of cell morphology and motility. <i>Experimental Cell Research</i> , 2006, 312, 2066-2073.	1.2	70
11	Chromosomes in acute nonlymphocytic leukemia. <i>Human Genetics</i> , 1986, 73, 137-146.	1.8	67
12	Downregulation of VEGF-C expression in lung and colon cancer cells decelerates tumor growth and inhibits metastasis via multiple mechanisms. <i>Oncogene</i> , 2012, 31, 1389-1397.	2.6	66
13	p53 activation in response to microtubule disruption is mediated by integrin-Erk signaling. <i>Oncogene</i> , 2001, 20, 899-909.	2.6	62
14	11q deletions in human colorectal carcinomas: Cytogenetics and restriction fragment length polymorphism analysis. <i>Genes Chromosomes and Cancer</i> , 1993, 6, 45-50.	1.5	59
15	Chromosome changes caused by alterations of p53 expression. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 354, 129-138.	0.4	50
16	Tumor promotion by $\beta$ and suppression by $\beta$ non-muscle actin isoforms. <i>Oncotarget</i> , 2015, 6, 14556-14571.	0.8	50
17	Tumor Suppressor p53 and Its Homologue p73 $\pm$ Affect Cell Migration. <i>Journal of Biological Chemistry</i> , 2003, 278, 27362-27371.	1.6	47
18	Ras-induced ROS upregulation affecting cell proliferation is connected with cell type-specific alterations of HSF1/ <i>SESN3</i> / <i>p21</i> <sup>Cip1/WAF1</sup> pathways. <i>Cell Cycle</i> , 2013, 12, 826-836.	1.3	46

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19	Correlations between the clinical course, characteristics of blast cells, and karyotype patterns in chronic myeloid leukemia. <i>Human Genetics</i> , 1981, 58, 285-293.	1.8	45
20	p53-dependent effects of RAS oncogene on chromosome stability and cell cycle checkpoints. <i>Oncogene</i> , 1999, 18, 3135-3142.	2.6	40
21	Cell type-specific effects of asbestos on intracellular ROS levels, DNA oxidation and G1 cell cycle checkpoint. <i>Oncogene</i> , 2004, 23, 8834-8840.	2.6	34
22	Chromosomal rearrangements with a common breakpoint at 6p23 in five cases of myeloid leukemia. <i>Human Genetics</i> , 1983, 64, 254-256.	1.8	32
23	p53 DOES NOT CONTROL THE SPINDLE ASSEMBLY CELL CYCLE CHECKPOINT BUT MEDIATES G1 ARREST IN RESPONSE TO DISRUPTION OF MICROTUBULE SYSTEM. <i>Cell Biology International</i> , 1999, 23, 323-334.	1.4	32
24	Karyotype peculiarities of human colorectal adenocarcinomas. <i>Human Genetics</i> , 1991, 86, 491-6.	1.8	31
25	E-Cadherin repression increases amount of cancer stem cells in human A549 lung adenocarcinoma and stimulates tumor growth. <i>Cell Cycle</i> , 2016, 15, 1084-1092.	1.3	30
26	Increased Karyotype Precision Using Fluorescence In Situ Hybridization and Spectral Karyotyping in Patients with Myeloid Malignancies. <i>Cancer Genetics and Cytogenetics</i> , 1999, 108, 166-170.	1.0	27
27	Cloning and characterization of DNA sequences amplified in multidrug-resistant Djungarian hamster and mouse cells. <i>Somatic Cell and Molecular Genetics</i> , 1987, 13, 609-619.	0.7	26
28	Restoration of p53 tumor-suppressor activity in human tumor cells in vitro and in their xenografts in vivo by recombinant avian adenovirus CELO-p53. <i>Gene Therapy</i> , 2004, 11, 79-84.	2.3	24
29	Gene amplification in Djungarian hamster cell lines possessing decreased plasma membrane permeability for colchicine and some other drugs. <i>Chromosoma</i> , 1985, 92, 16-24.	1.0	22
30	Regular pattern of karyotypic alterations accompanying gene amplification in Djungarian hamster cells: study of colchicine, adriablastin, and methotrexate resistance. <i>Chromosoma</i> , 1985, 92, 25-36.	1.0	18
31	Cell-specific effects of RAS oncogene and protein kinase C agonist TPA on P-glycoprotein function. <i>FEBS Letters</i> , 1995, 368, 373-376.	1.3	18
32	Colcemid-induced polyploidy and aneuploidy in normal and tumour cells in vitro. <i>International Journal of Cancer</i> , 1975, 16, 730-737.	2.3	16
33	Activation of Ras-Ral Pathway Attenuates p53-independent DNA Damage G2 Checkpoint. <i>Journal of Biological Chemistry</i> , 2004, 279, 36382-36389.	1.6	16
34	Newly formed chromosome-like structures in independent mouse P388 sublines with developed in vivomdr1 gene amplification. <i>Somatic Cell and Molecular Genetics</i> , 1991, 17, 581-590.	0.7	11
35	Enhanced expression of 1p32 and 1p22 fragile sites in lymphocytes in cutaneous malignant melanomas. <i>Cancer Genetics and Cytogenetics</i> , 1992, 58, 24-28.	1.0	11
36	Translocation (2;3)(p13;q26) in two cases of myeloid malignancies: Acute myeloblastic leukemia (M2) and blastic phase of chronic myeloid leukemia. <i>Cancer Genetics and Cytogenetics</i> , 1996, 87, 182-184.	1.0	11

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37	Gene amplification in multidrug-resistant cells: Molecular and karyotypic events. <i>BioEssays</i> , 1985, 3, 68-71.	1.2	10
38	Fine Structure of the Macronucleus in the Resting Cysts of the Ciliate <i>Tillina magna</i> . <i>Archiv Für Protistenkunde</i> , 1992, 141, 27-40.	0.8	10
39	Two different anti-erythroid monoclonal antibodies in immunodiagnosis of human leukemias: A comparative study. <i>International Journal of Cancer</i> , 1989, 44, 589-592.	2.3	9
40	Regularities of karyotypic evolution during stepwise amplification of genes determining drug resistance. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1992, 276, 163-177.	3.0	8
41	Genetic Events Responsible for Colorectal Tumorigenesis: Achievements and Challenges. <i>Tumori</i> , 1993, 79, 235-243.	0.6	8
42	Comparison of mitostatic effect, cell uptake and tubulin-binding activity of colchicine and colcemid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1981, 673, 86-92.	1.1	7
43	Genome instability and oncogenesis. <i>Molecular Biology</i> , 2007, 41, 329-339.	0.4	7
44	Blast cells in child and adult AML: comparative study of morphocytochemical, immunological and cytogenetic characteristics. <i>British Journal of Haematology</i> , 1994, 87, 708-714.	1.2	6
45	Human P53, Mutated at Codon 273, Causes Distinct Effects on Nucleotide Biosynthesis Salvage Pathway Key Enzymes in Rat-1 Cells and in Their Derivatives Expressing Activated ras Oncogene. <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 383-390.	1.0	5
46	The Cyst Wall Formation in <i>Tillina magna</i> (Ciliophora, Colpodidae). <i>Archiv Für Protistenkunde</i> , 1994, 144, 17-29.	0.8	5
47	The Protective Role of p53 in Ras-Induced Transformation of REF52 Cells. <i>Molecular Biology</i> , 2003, 37, 392-403.	0.4	5
48	Hyperproduction of a specific protein in cells resistant to colchicine and adriablastin. <i>Bulletin of Experimental Biology and Medicine</i> , 1983, 96, 1304-1307.	0.3	4
49	Computer microscopy in lymphoma diagnostics. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012126.	0.3	4
50	Title is missing!. <i>Molecular Biology</i> , 2002, 36, 522-527.	0.4	3
51	Title is missing!. <i>Molecular Biology</i> , 2003, 37, 102-109.	0.4	3
52	Application of texture analysis methods to computer microscopy in the visible range of electromagnetic radiation. <i>Bulletin of the Lebedev Physics Institute</i> , 2016, 43, 306-308.	0.1	3
53	The influence of physical factors on recognizing blood cells in the computer microscopy systems of acute leukemia diagnosis. <i>Journal of Physics: Conference Series</i> , 2017, 784, 012042.	0.3	3
54	The use of optical microscope equipped with multispectral detector to distinguish different types of acute lymphoblastic leukemia. <i>Journal of Physics: Conference Series</i> , 2017, 784, 012003.	0.3	2

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55	A mouse cell line with inherited stable colchicine resistance. Bulletin of Experimental Biology and Medicine, 1981, 91, 819-822.	0.3	1
56	Genotypic and phenotypic changes determining resistance of Djungarian hamster cells to adriablastin. Bulletin of Experimental Biology and Medicine, 1983, 96, 1301-1304.	0.3	1
57	Induction of gene amplification in dzhungarian hamster cells by some chemical carcinogens. Bulletin of Experimental Biology and Medicine, 1986, 101, 845-847.	0.3	1
58	Effect of various substances on colchicine uptake by cells sensitive and resistant to it. Bulletin of Experimental Biology and Medicine, 1979, 88, 1062-1065.	0.3	0
59	Notch signaling pathway: dual role in tumour progression and therapeutic opportunities for bladder cancer. Onkourologiya, 2019, 15, 108-116.	0.1	0