Boyan K Garvalov

List of Publications by Year
in descending order

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41	4,211	257450	302126
papers	citations	24 h-index	39 g-index

42	42	42	8058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	27.8	1,872
2	A hypoxic niche regulates glioblastoma stem cells through hypoxia inducible factor 2Î±. Brain, 2010, 133, 983-995.	7.6	401
3	Cdc42 Regulates Cofilin during the Establishment of Neuronal Polarity. Journal of Neuroscience, 2007, 27, 13117-13129.	3.6	235
4	ADF/Cofilin-Mediated Actin Retrograde Flow Directs Neurite Formation in the Developing Brain. Neuron, 2012, 76, 1091-1107.	8.1	198
5	Rac1 Regulates Neuronal Polarization through the WAVE Complex. Journal of Neuroscience, 2010, 30, 6930-6943.	3.6	155
6	Deep Learning Reveals Cancer Metastasis and Therapeutic Antibody Targeting in the Entire Body. Cell, 2019, 179, 1661-1676.e19.	28.9	142
7	The cancer stem cell niche(s): The crosstalk between glioma stem cells and their microenvironment. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2496-2508.	2.4	140
8	Luminal particles within cellular microtubules. Journal of Cell Biology, 2006, 174, 759-765.	5.2	111
9	Phosphoinositides Regulate Membrane-dependent Actin Assembly by Latex Bead Phagosomes. Molecular Biology of the Cell, 2002, 13, 1190-1202.	2.1	71
10	The conformational state of Tes regulates its zyxin-dependent recruitment to focal adhesions. Journal of Cell Biology, 2003, 161, 33-39.	5.2	71
11	Continued Response Off Treatment After BRAF Inhibition in Refractory Hairy Cell Leukemia. Journal of Clinical Oncology, 2013, 31, e300-e303.	1.6	67
12	Tes, a Specific Mena Interacting Partner, Breaks the Rules for EVH1 Binding. Molecular Cell, 2007, 28, 1071-1082.	9.7	66
13	Cancer stem cells: a new framework for the design of tumor therapies. Journal of Molecular Medicine, 2011, 89, 95-107.	3.9	65
14	Acidosis Acts through HSP90 in a PHD/VHL-Independent Manner to Promote HIF Function and Stem Cell Maintenance in Glioma. Cancer Research, 2016, 76, 5845-5856.	0.9	65
15	Loss of PHD3 allows tumours to overcome hypoxic growth inhibition and sustain proliferation through EGFR. Nature Communications, 2014, 5, 5582.	12.8	61
16	Rapidly progressive hypertrophic cardiomyopathy in an infant with Noonan syndrome with multiple lentigines: Palliative treatment with a rapamycin analog. American Journal of Medical Genetics, Part A, 2015, 167, 744-751.	1.2	53
17	PHD3 regulates EGFR internalization and signalling in tumours. Nature Communications, 2014, 5, 5577.	12.8	48
18	Lamin B1 loss promotes lung cancer development and metastasis by epigenetic derepression of RET. Journal of Experimental Medicine, 2019, 216, 1377-1395.	8.5	45

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19	PHD3 Controls Lung Cancer Metastasis and Resistance to EGFR Inhibitors through TGFÎ±. Cancer Research, 2018, 78, 1805-1819.	0.9	38
20	Molecular Recognition of the Tes LIM2â€“3 Domains by the Actin-related Protein Arp7A. Journal of Biological Chemistry, 2011, 286, 11543-11554.	3.4	36
21	Stressâ€induced Upregulation of <scp>SLC19A3</scp> is Impaired in Biotinâ€Thiamineâ€Responsive Basal Ganglia Disease. Brain Pathology, 2014, 24, 270-279.	4.1	35
22	Design, synthesis and biological evaluation of fused naphthofuro[3,2-c] quinoline-6,7,12-triones and pyrano[3,2-c]quinoline-6,7,8,13-tetraones derivatives as ERK inhibitors with efficacy in BRAF-mutant melanoma. Bioorganic Chemistry, 2019, 82, 290-305.	4.1	35
23	Isolation and Culture of Primary Glioblastoma Cells from Human Tumor Specimens. Methods in Molecular Biology, 2015, 1235, 263-275.	0.9	34
24	Loss of the Chr16p11.2 ASD candidate gene QPRT leads to aberrant neuronal differentiation in the SH-SY5Y neuronal cell model. Molecular Autism, 2018, 9, 56.	4.9	27
25	The role of hypoxic signalling in metastasis: towards translating knowledge of basic biology into novel anti-tumour strategies. Clinical and Experimental Metastasis, 2018, 35, 563-599.	3.3	25
26	Hyaluronic acid-CD44 interactions promote BMP4/7-dependent Id1/3 expression in melanoma cells. Scientific Reports, 2018, 8, 14913.	3.3	23
27	Hypoxia-inducible factor-1Î± activation in HPV-positive head and neck squamous cell carcinoma cell lines. Oncotarget, 2017, 8, 89681-89691.	1.8	15
28	IER2-induced senescence drives melanoma invasion through osteopontin. Oncogene, 2021, 40, 6494-6512.	5.9	13
29	Implications of Oxygen Homeostasis for Tumor Biology and Treatment. Advances in Experimental Medicine and Biology, 2016, 903, 169-185.	1.6	11
30	Lamin B1 in cancer and aging. Aging, 2019, 11, 7336-7338.	3.1	11
31	Seeing whole-tumour heterogeneity. Nature Biomedical Engineering, 2017, 1, 772-774.	22.5	10
32	Sulfated hyaluronic acid inhibits the hyaluronidase CEMIP and regulates the HA metabolism, proliferation and differentiation of fibroblasts. Matrix Biology, 2022, 109, 173-191.	3.6	10
33	Analysis of Hypoxia and the Hypoxic Response in Tumor Xenografts. Methods in Molecular Biology, 2018, 1742, 283-300.	0.9	6
34	Who stands to win from double-blind peer review?. Advances in Regenerative Biology, 2015, 2, 26879.	0.2	5
35	Mobility is not the only way forward. EMBO Reports, 2007, 8, 422-422.	4.5	3
36	Who stands to lose from double-blind review?. Nature, 2008, 452, 28-28.	27.8	3

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37	Quantitative Detection of Disseminated Melanoma Cells by Trp-1 Transcript Analysis Reveals Stochastic Distribution of Pulmonary Metastases. Journal of Clinical Medicine, 2021, 10, 5459.	2.4	2
38	Loss of ASAP1 in the MMTV-PyMT model of luminal breast cancer activates AKT, accelerates tumorigenesis, and promotes metastasis. Cancer Letters, 2022, 533, 215600.	7.2	2
39	Struggling to Attend U.S. Meetings. Science, 2004, 306, 609c-609c.	12.6	0
40	Sexism: Measure journal objectivity. Nature, 2013, 493, 305-305.	27.8	0
41	Spatiotemporally controlled induction of gene expression in vivo allows tracking the fate of tumor cells that traffic through the lymphatics. International Journal of Cancer, 2020, 147, 1190-1198.	5.1	0