Natasa Anastasov

List of Publications by Year
in descending order

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Version: 2024-02-01

		236925	233421
60	2,395	25	45
papers	citations	h-index	g-index

60	60	60	3938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. ACS Central Science, 2020, 6, 41-53.	11.3	551
2	Constitutive IDO expression in human cancer is sustained by an autocrine signaling loop involving IL-6, STAT3 and the AHR. Oncotarget, 2014, 5, 1038-1051.	1.8	248
3	PARTICLE, a Triplex-Forming Long ncRNA, Regulates Locus-Specific Methylation in Response to Low-Dose Irradiation. Cell Reports, 2015, 11, 474-485.	6.4	189
4	Ionizing radiation biomarkers in epidemiological studies â€“ An update. Mutation Research - Reviews in Mutation Research, 2017, 771, 59-84.	5.5	118
5	Radiation resistance due to high expression of miR-21 and G2/M checkpoint arrest in breast cancer cells. Radiation Oncology, 2012, 7, 206.	2.7	100
6	Radiation alters the cargo of exosomes released from squamous head and neck cancer cells to promote migration of recipient cells. Scientific Reports, 2017, 7, 12423.	3.3	92
7	Integrated analysis of single-cell RNA-seq and bulk RNA-seq unravels tumour heterogeneity plus M2-like tumour-associated macrophage infiltration and aggressiveness in TNBC. Cancer Immunology, Immunotherapy, 2021, 70, 189-202.	4.2	82
8	Specific lentiviral shRNA-mediated knockdown of cyclin D1 in mantle cell lymphoma has minimal effects on cell survival and reveals a regulatory circuit with cyclin D2. Leukemia, 2008, 22, 2097-2105.	7.2	67
9	MicroRNA-Mediated Processes are Essential for the Cellular Radiation Response. Radiation Research, 2011, 176, 575.	1.5	66
10	C/EBPÂ expression in ALK-positive anaplastic large cell lymphomas is required for cell proliferation and is induced by the STAT3 signaling pathway. Haematologica, 2010, 95, 760-767.	3.5	58
11	MiR-221/-222 differentiate prognostic groups in advanced breast cancers and influence cell invasion. British Journal of Cancer, 2013, 109, 2714-2723.	6.4	54
12	A novel epigenetic signature for overall survival prediction in patients with breast cancer. Journal of Translational Medicine, 2019, 17, 380.	4.4	52
13	Poloxamer synperonic F108 improves cellular transduction with lentiviral vectors. Journal of Gene Medicine, 2012, 14, 549-560.	2.8	51
14	A dose-dependent perturbation in cardiac energy metabolism is linked to radiation-induced ischemic heart disease in Mayak nuclear workers. Oncotarget, 2017, 8, 9067-9078.	1.8	50
15	NPM-ALKâ€“dependent expression of the transcription factor CCAAT/enhancer binding protein Î² in ALK-positive anaplastic large cell lymphoma. Blood, 2006, 108, 2029-2036.	1.4	47
16	A 3D-microtissue-based phenotypic screening of radiation resistant tumor cells with synchronized chemotherapeutic treatment. BMC Cancer, 2015, 15, 466.	2.6	43
17	Real-time Quantitative RT-PCR Shows Variable, Assay-dependent Sensitivity to Formalin Fixation: Implications for Direct Comparison of Transcript Levels in Paraffin-embedded Tissues. Diagnostic Molecular Pathology, 2006, 15, 149-156.	2.1	42
18	Transcriptome analysis of MENX-associated rat pituitary adenomas identifies novel molecular mechanisms involved in the pathogenesis of human pituitary gonadotroph adenomas. Acta Neuropathologica, 2013, 126, 137-150.	7.7	40

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19	Integrative proteomic and microRNA analysis of primary human coronary artery endothelial cells exposed to low-dose gamma radiation. Radiation and Environmental Biophysics, 2013, 52, 87-98.	1.4	34
20	Efficient shRNA delivery into B and T lymphoma cells using lentiviral vector-mediated transfer. Journal of Hematopathology, 2009, 2, 9-19.	0.4	33
21	Comparison of Radiosensitization by HDAC Inhibitors CUDC-101 and SAHA in Pancreatic Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 3259.	4.1	33
22	Impact of protein tyrosine kinase 6 (PTK6) on human epidermal growth factor receptor (HER) signalling in breast cancer. Molecular BioSystems, 2011, 7, 1603.	2.9	29
23	Threeâ€dimensional microtissues essentially contribute to preclinical validations of therapeutic targets in breast cancer. Cancer Medicine, 2016, 5, 703-710.	2.8	29
24	Identification of C/EBPÎ² Target Genes in ALK+ Anaplastic Large Cell Lymphoma (ALCL) by Gene Expression Profiling and Chromatin Immunoprecipitation. PLoS ONE, 2013, 8, e64544.	2.5	28
25	SOX3 can promote the malignant behavior of glioblastoma cells. Cellular Oncology (Dordrecht), 2019, 42, 41-54.	4.4	27
26	Rb1 Haploinsufficiency Promotes Telomere Attrition and Radiation-Induced Genomic Instability. Cancer Research, 2013, 73, 4247-4255.	0.9	25
27	Effects of Simultaneous Knockdown of HER2 and PTK6 on Malignancy and Tumor Progression in Human Breast Cancer Cells. Molecular Cancer Research, 2013, 11, 381-392.	3.4	22
28	Low dose irradiation of thyroid cells reveals a unique transcriptomic and epigenetic signature in RET/PTC-positive cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 731, 27-40.	1.0	19
29	The AGUAAA motif in cspA1/A2 mRNA is important for adaptation of Yersinia enterocolitica to grow at low temperature. Molecular Microbiology, 2003, 50, 1629-1645.	2.5	18
30	Chronic Occupational Exposure to Ionizing Radiation Induces Alterations in the Structure and Metabolism of the Heart: A Proteomic Analysis of Human Formalin-Fixed Paraffin-Embedded (FFPE) Cardiac Tissue. International Journal of Molecular Sciences, 2020, 21, 6832.	4.1	17
31	Optimized Lentiviral Transduction Protocols by Use of a Poloxamer Enhancer, Spinoculation, and scFv-Antibody Fusions to VSV-G. Methods in Molecular Biology, 2016, 1448, 49-61.	0.9	15
32	Oncogenic features of the bone morphogenic protein 7 (BMP7) in pheochromocytoma. Oncotarget, 2015, 6, 39111-39126.	1.8	15
33	Radiation induced transcriptional and post-transcriptional regulation of the hsa-miR-23a ~ 27a ~ 24-2 cluster suppresses apoptosis by stabilizing XIAP. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 1127-1137.	1.9	13
34	Secreted uPAR isoform 2 (uPAR7b) is a novel direct target of miR-221. Oncotarget, 2015, 6, 8103-8114.	1.8	13
35	Additive impact of HER2â€/PTK6â€RNAi on interactions with HER3 or IGFâ€1R leads to reduced breast cancer progression inÂvivo. Molecular Oncology, 2015, 9, 282-294.	4.6	12
36	Integrative multiomics study for validation of mechanisms in radiation-induced ischemic heart disease in Mayak workers. PLoS ONE, 2018, 13, e0209626.	2.5	11

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37	Combining HDAC and MEK Inhibitors with Radiation against Glioblastoma-Derived Spheres. Cells, 2022, 11, 775.	4.1	11
38	Systematic improvement of lentivirus transduction protocols by antibody fragments fused to VSV-G as envelope glycoprotein. Biomaterials, 2014, 35, 4204-4212.	11.4	10
39	MEK1 Inhibitor Combined with Irradiation Reduces Migration of Breast Cancer Cells Including miR-221 and ZEB1 EMT Marker Expression. Cancers, 2020, 12, 3760.	3.7	8
40	Differential response of normal and transformed mammary epithelial cells to combined treatment of anti-miR-21 and radiation. International Journal of Radiation Biology, 2017, 93, 361-372.	1.8	7
41	Targeting CDK4 in Mantle Cell Lymphoma (MCL) Cell Lines by Specific Lentiviral shRNA Mediated Knockdown Has Profound Effects on Cell Growth and Cell Cycle but Minimal Effects on Apoptosis.. Blood, 2008, 112, 1767-1767.	1.4	7
42	The kgmB gene, encoding ribosomal RNA methylase from Streptomyces tenebrarius, is autogenously regulated. Archives of Microbiology, 2004, 182, 475-481.	2.2	4
43	Inhibition of miR-21 Promotes Cellular Senescence in NT2-Derived Astrocytes. Biochemistry (Moscow), 2021, 86, 1434-1445.	1.5	3
44	Radiation effects on early phase of NT2/D1 neural differentiation in vitro. International Journal of Radiation Biology, 2019, 95, 1627-1639.	1.8	1
45	Transcriptome network of the papillary thyroid carcinoma radiation marker CLIP2. Radiation Oncology, 2020, 15, 182.	2.7	1
46	Poster session 18: Cells, materials and biochemistry II. Biomedizinische Technik, 2017, 62, .	0.8	0
47	A Five-Year report on the conception and establishment of the MSc Radiation Biology at the Technical University of Munich. International Journal of Radiation Biology, 2021, 97, 256-264.	1.8	0
48	Functional Analysis of Cyclin D1 in Mantle Cell Lymphoma (MCL) by Specific Lentiviral shRNA Mediated Knockdown.. Blood, 2007, 110, 1584-1584.	1.4	0
49	C/EBPÎ² Expression in ALK+ Anaplastic Large Cell Lymphomas (ALCL) Is Regulated by Stat3 Signaling Pathway.. Blood, 2007, 110, 3570-3570.	1.4	0
50	Gene Expression Profiling Reveals a Crucial Role for C/EBPbeta in Proliferation Pathways of ALK+ ALCL Cell Lines. Blood, 2008, 112, 2818-2818.	1.4	0
51	Identification of Genes Which Play a Crucial Role in C/EBPÎ² Downstream Signalling in ALK+ ALCL Cell Lines.. Blood, 2009, 114, 1943-1943.	1.4	0
52	Abstract 2471: The tumor suppressor gene Rb1 controls telomeric length and genomic instability that predisposes to osteosarcoma development in irradiated mice. , 2011, , .		0
53	Abstract 5528: Identification of compounds modifying radiation-therapy using a 3D-microtissue technology.. , 2013, , .		0
54	The bone morphogenic proten 7 (Bmp7) plays a pro-tumorigenic role in pheochromocytoma. Endocrine Abstracts, 0, , .	0.0	0

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55	Abstract A046: MiR-221 and -222 expression elevates cell invasion and allows distinction between different prognostic groups in advanced breast cancers. , 2013, , .		0
56	Abstract 4059: The bone morphogenic protein 7 (Bmp7) plays a pro-tumorigenic role in pheochromocytoma. , 2014, , .		0
57	Abstract 1810: Three-dimensional microtissues as phenotypic screening model to identify radiation modifiers for breast cancer. , 2015, , .		0
58	Abstract 1408: Generation of 3D-microtissues suitable for drug screening with lentivirally GFP-labelled CD44+CD24- breast cancer cells enriched by irradiation. , 2015, , .		0
59	MiRNA-183 cluster in response to asthma treatment. , 2016, , .		0
60	Abstract 5849: Exosomes promote survival and migration in squamous head and neck cancer cells after ionizing radiation: Evidence for a bystander effect. , 2017, , .		0