

Kristian Unger

List of Publications by Year in descending order

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102
papers

6,008
citations

117625

34
h-index

79698

73
g-index

104
all docs

104
docs citations

104
times ranked

9928
citing authors

#	ARTICLE	IF	CITATIONS
1	NASH limits anti-tumour surveillance in immunotherapy-treated HCC. <i>Nature</i> , 2021, 592, 450-456.	27.8	649
2	Metabolic Activation of Intrahepatic CD8+ T Cells and NKT Cells Causes Nonalcoholic Steatohepatitis and Liver Cancer via Cross-Talk with Hepatocytes. <i>Cancer Cell</i> , 2014, 26, 549-564.	16.8	531
3	Evolutionary routes and KRAS dosage define pancreatic cancer phenotypes. <i>Nature</i> , 2018, 554, 62-68.	27.8	328
4	A Novel Gene Signature-Based Model Predicts Biochemical Recurrence-Free Survival in Prostate Cancer Patients after Radical Prostatectomy. <i>Cancers</i> , 2020, 12, 1.	3.7	300
5	Ectopic lymphoid structures function as microniches for tumor progenitor cells in hepatocellular carcinoma. <i>Nature Immunology</i> , 2015, 16, 1235-1244.	14.5	278
6	Platelet GPIb β is a mediator and potential interventional target for NASH and subsequent liver cancer. <i>Nature Medicine</i> , 2019, 25, 641-655.	30.7	259
7	RET/Papillary Thyroid Cancer Rearrangement in Nonneoplastic Thyrocytes: Follicular Cells of Hashimoto's Thyroiditis Share Low-Level Recombination Events with a Subset of Papillary Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 2414-2423.	3.6	175
8	Hepatocellular carcinoma originates from hepatocytes and not from the progenitor/biliary compartment. <i>Journal of Clinical Investigation</i> , 2015, 125, 3891-3903.	8.2	175
9	CRISPR/Cas9 somatic multiplex-mutagenesis for high-throughput functional cancer genomics in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13982-13987.	7.1	172
10	Multiplexed pancreatic genome engineering and cancer induction by transfection-based CRISPR/Cas9 delivery in mice. <i>Nature Communications</i> , 2016, 7, 10770.	12.8	145
11	Kupffer Cell-Derived Tnf Triggers Cholangiocellular Tumorigenesis through JNK due to Chronic Mitochondrial Dysfunction and ROS. <i>Cancer Cell</i> , 2017, 31, 771-789.e6.	16.8	140
12	High resolution array-CGH analysis of single cells. <i>Nucleic Acids Research</i> , 2007, 35, e15-e15.	14.5	136
13	Heterogeneity in the Distribution of RET/PTC Rearrangements within Individual Post-Chernobyl Papillary Thyroid Carcinomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 4272-4279.	3.6	127
14	RIP3 Inhibits Inflammatory Hepatocarcinogenesis but Promotes Cholestasis by Controlling Caspase-8- and JNK-Dependent Compensatory Cell Proliferation. <i>Cell Reports</i> , 2013, 4, 776-790.	6.4	124
15	A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. <i>Cancer Cell</i> , 2017, 32, 342-359.e10.	16.8	122
16	Circulating microRNAs as prognostic therapy biomarkers in head and neck cancer patients. <i>British Journal of Cancer</i> , 2015, 113, 76-82.	6.4	114
17	A gene expression signature distinguishes normal tissues of sporadic and radiation-induced papillary thyroid carcinomas. <i>British Journal of Cancer</i> , 2012, 107, 994-1000.	6.4	111
18	Changes in circulating microRNAs after radiochemotherapy in head and neck cancer patients. <i>Radiation Oncology</i> , 2013, 8, 296.	2.7	88

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19	MiR-744-5p inducing cell death by directly targeting HNRNPC and NFIX in ovarian cancer cells. <i>Scientific Reports</i> , 2018, 8, 9020.	3.3	84
20	Simultaneous 21 integrin-EGFR Targeting and Radiosensitization of Human Head and Neck Cancer. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	6.3	78
21	Gain of chromosome band 7q11 in papillary thyroid carcinomas of young patients is associated with exposure to low-dose irradiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9595-9600.	7.1	70
22	Dual Role of the Adaptive Immune System in Liver Injury and Hepatocellular Carcinoma Development. <i>Cancer Cell</i> , 2016, 30, 308-323.	16.8	68
23	A Five-MicroRNA Signature Predicts Survival and Disease Control of Patients with Head and Neck Cancer Negative for HPV Infection. <i>Clinical Cancer Research</i> , 2019, 25, 1505-1516.	7.0	67
24	Gene signature of the post-Chernobyl papillary thyroid cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1267-1277.	6.4	61
25	MicroRNA profiling with correlation to gene expression revealed the oncogenic miR-17-92 cluster to be up-regulated in osteosarcoma. <i>Cancer Genetics</i> , 2012, 205, 212-219.	0.4	60
26	S100-A10, thioredoxin, and S100-A6 as biomarkers of papillary thyroid carcinoma with lymph node metastasis identified by MALDI Imaging. <i>Journal of Molecular Medicine</i> , 2012, 90, 163-174.	3.9	56
27	CFAssay: statistical analysis of the colony formation assay. <i>Radiation Oncology</i> , 2015, 10, 223.	2.7	55
28	Identification and validation of hypoxia-derived gene signatures to predict clinical outcomes and therapeutic responses in stage I lung adenocarcinoma patients. <i>Theranostics</i> , 2021, 11, 5061-5076.	10.0	48
29	Therapy with Multipotent Mesenchymal Stromal Cells Protects Lungs from Radiation-Induced Injury and Reduces the Risk of Lung Metastasis. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 53-69.	5.4	47
30	EpCAM ectodomain EpEX is a ligand of EGFR that counteracts EGF-mediated epithelial-mesenchymal transition through modulation of phospho-ERK1/2 in head and neck cancers. <i>PLoS Biology</i> , 2018, 16, e2006624.	5.6	43
31	MicroRNA expression patterns in oral squamous cell carcinoma: hsa-miR-99b-3p and hsa-miR-100-5p as novel prognostic markers for oral cancer. <i>Head and Neck</i> , 2019, 41, 3499-3515.	2.0	43
32	CLIP2 as radiation biomarker in papillary thyroid carcinoma. <i>Oncogene</i> , 2015, 34, 3917-3925.	5.9	41
33	A Critical Evaluation of the PAXgene Tissue Fixation System. <i>American Journal of Clinical Pathology</i> , 2016, 146, 25-40.	0.7	37
34	Transcriptomic analyses of the radiation response in head and neck squamous cell carcinoma subclones with different radiation sensitivity: time-course gene expression profiles and gene association networks. <i>Radiation Oncology</i> , 2016, 11, 94.	2.7	37
35	PiggyBac transposon tools for recessive screening identify B-cell lymphoma drivers in mice. <i>Nature Communications</i> , 2019, 10, 1415.	12.8	37
36	Generation and Differentiation of Adult Tissue-Derived Human Thyroid Organoids. <i>Stem Cell Reports</i> , 2021, 16, 913-925.	4.8	37

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37	A 4-miRNA signature predicts the therapeutic outcome of glioblastoma. <i>Oncotarget</i> , 2016, 7, 45764-45775.	1.8	35
38	RET rearrangements in post-Chernobyl papillary thyroid carcinomas with a short latency analysed by interphase FISH. <i>British Journal of Cancer</i> , 2006, 94, 1472-1477.	6.4	34
39	Array CGH demonstrates characteristic aberration signatures in human papillary thyroid carcinomas governed by RET/PTC. <i>Oncogene</i> , 2008, 27, 4592-4602.	5.9	34
40	Chromosomal changes characterize head and neck cancer with poor prognosis. <i>Journal of Molecular Medicine</i> , 2008, 86, 1353-1365.	3.9	33
41	Novel gene rearrangements in transformed breast cells identified by high-resolution breakpoint analysis of chromosomal aberrations. <i>Endocrine-Related Cancer</i> , 2010, 17, 87-98.	3.1	33
42	Array comparative genomic hybridization identifies novel potential therapeutic targets in cholangiocarcinoma. <i>Hpb</i> , 2011, 13, 309-319.	0.3	33
43	Taxane-mediated radiosensitization derives from chromosomal missegregation on tripolar mitotic spindles orchestrated by AURKA and TPX2. <i>Oncogene</i> , 2018, 37, 52-62.	5.9	31
44	Natural Cubic Spline Regression Modeling Followed by Dynamic Network Reconstruction for the Identification of Radiation-Sensitivity Gene Association Networks from Time-Course Transcriptome Data. <i>PLoS ONE</i> , 2016, 11, e0160791.	2.5	31
45	Lifetime study in mice after acute low-dose ionizing radiation: a multifactorial study with special focus on cataract risk. <i>Radiation and Environmental Biophysics</i> , 2018, 57, 99-113.	1.4	30
46	High Expression of EpCAM and Sox2 is a Positive Prognosticator of Clinical Outcome for Head and Neck Carcinoma. <i>Scientific Reports</i> , 2018, 8, 14582.	3.3	30
47	Expression of miR-26b-5p and its target TRPS1 is associated with radiation exposure in post-Chernobyl breast cancer. <i>International Journal of Cancer</i> , 2018, 142, 573-583.	5.1	29
48	Induction of apoptosis in ovarian cancer cells by miR-493-3p directly targeting AKT2, STK38L, HMGA2, ETS1 and E2F5. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 539-559.	5.4	28
49	Dose-dependent expression of CLIP2 in post-Chernobyl papillary thyroid carcinomas. <i>Carcinogenesis</i> , 2015, 36, 748-756.	2.8	25
50	Model Matters: Differences in Orthotopic Rat Hepatocellular Carcinoma Physiology Determine Therapy Response to Sorafenib. <i>Clinical Cancer Research</i> , 2015, 21, 4440-4450.	7.0	25
51	Murine Liver Organoids as a Genetically Flexible System to Study Liver Cancer In Vivo and In Vitro. <i>Hepatology Communications</i> , 2019, 3, 423-436.	4.3	25
52	Interconnection between DNA damage senescence inflammation and cancer. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 348-369.	3.0	24
53	Characterization of HCC Mouse Models: Towards an Etiology-Oriented Subtyping Approach. <i>Molecular Cancer Research</i> , 2019, 17, 1493-1502.	3.4	23
54	Early senescence and production of senescence-associated cytokines are major determinants of radioresistance in head-and-neck squamous cell carcinoma. <i>Cell Death and Disease</i> , 2021, 12, 1162.	6.3	23

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55	Novel candidate genes of thyroid tumorigenesis identified in Trk-T1 transgenic mice. <i>Endocrine-Related Cancer</i> , 2012, 19, 409-421.	3.1	22
56	Anterior gradient protein 2 promotes survival, migration and invasion of papillary thyroid carcinoma cells. <i>Molecular Cancer</i> , 2014, 13, 160.	19.2	22
57	Association of Radiation-Induced Genes with Noncancer Chronic Diseases in Mayak Workers Occupationally Exposed to Prolonged Radiation. <i>Radiation Research</i> , 2015, 183, 249.	1.5	22
58	Integration of a radiation biomarker into modeling of thyroid carcinogenesis and post-Chernobyl risk assessment. <i>Carcinogenesis</i> , 2016, 37, bgw102.	2.8	22
59	MCL1 Is Required for Maintenance of Intestinal Homeostasis and Prevention of Carcinogenesis in Mice. <i>Gastroenterology</i> , 2020, 159, 183-199.	1.3	22
60	Investigation on tissue specific effects of pro-apoptotic micro RNAs revealed miR-147b as a potential biomarker in ovarian cancer prognosis. <i>Oncotarget</i> , 2017, 8, 18773-18791.	1.8	22
61	Genomic amplification of Fanconi anemia complementation group A (FancA) in head and neck squamous cell carcinoma (HNSCC): Cellular mechanisms of radioresistance and clinical relevance. <i>Cancer Letters</i> , 2017, 386, 87-99.	7.2	21
62	A prognostic mRNA expression signature of four 16q24.3 genes in radio(chemo)therapy-treated head and neck squamous cell carcinoma (HNSCC). <i>Molecular Oncology</i> , 2018, 12, 2085-2101.	4.6	21
63	In Vitro Generation of Vascular Wall-Resident Multipotent Stem Cells of Mesenchymal Nature from Murine Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 919-932.	4.8	20
64	Integrative radiation systems biology. <i>Radiation Oncology</i> , 2014, 9, 21.	2.7	19
65	Molecular rearrangements in papillary thyroid carcinomas. <i>Clinica Chimica Acta</i> , 2010, 411, 301-308.	1.1	17
66	Metformin Protects against Radiation-Induced Acute Effects by Limiting Senescence of Bronchial-Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7064.	4.1	17
67	Replication stress triggered by nucleotide pool imbalance drives DNA damage and cGAS-STING pathway activation in NAFLD. <i>Developmental Cell</i> , 2022, 57, 1728-1741.e6.	7.0	17
68	Integrating Research on Thyroid Cancer after Chernobyl – The Chernobyl Tissue Bank. <i>Clinical Oncology</i> , 2011, 23, 276-281.	1.4	16
69	Differential Response and Priming Dose Effect on the Proteome of Human Fibroblast and Stem Cells Induced by Exposure to Low Doses of Ionizing Radiation. <i>Radiation Research</i> , 2016, 185, 299.	1.5	16
70	RET/PTC Rearrangement Occurring in Primary Peritoneal Carcinoma. <i>International Journal of Surgical Pathology</i> , 2009, 17, 187-197.	0.8	15
71	Depletion of Histone Demethylase Jarid1A Resulting in Histone Hyperacetylation and Radiation Sensitivity Does Not Affect DNA Double-Strand Break Repair. <i>PLoS ONE</i> , 2016, 11, e0156599.	2.5	15
72	DNA Copy Number Alterations in Radiation-induced Thyroid Cancer. <i>Clinical Oncology</i> , 2011, 23, 289-296.	1.4	14

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73	Matching of array CGH and gene expression microarray features for the purpose of integrative genomic analyses. <i>BMC Bioinformatics</i> , 2012, 13, 80.	2.6	14
74	Direct conversion of human fibroblasts into therapeutically active vascular wall-typical mesenchymal stem cells. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3401-3422.	5.4	13
75	Therapy-Related Transcriptional Subtypes in Matched Primary and Recurrent Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2022, 28, 1038-1052.	7.0	13
76	MicroRNA-Target Network Inference and Local Network Enrichment Analysis Identify Two microRNA Clusters with Distinct Functions in Head and Neck Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2015, 16, 30204-30222.	4.1	12
77	Gene Expression Analysis in Mayak Workers With Prolonged Occupational Radiation Exposure. <i>Health Physics</i> , 2014, 106, 664-676.	0.5	11
78	Independent Validation of Candidate Genes Identified after a Whole Genome Screening on Mayak Workers Exposed to Prolonged Occupational Radiation. <i>Radiation Research</i> , 2014, 182, 299.	1.5	11
79	Genomic copy number analysis of Chernobyl papillary thyroid carcinoma in the Ukrainian-American Cohort. <i>Carcinogenesis</i> , 2015, 36, 1381-1387.	2.8	11
80	Gene amplification of atypical PKC-binding PARD3 in radiation-transformed neoplastic retinal pigment epithelial cell lines. <i>Genes Chromosomes and Cancer</i> , 2004, 40, 55-59.	2.8	10
81	Chromosomal aberrations in thyroid follicular-cell neoplasia: in the search of novel oncogenes and tumour suppressor genes. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 57-66.	3.2	10
82	Integrative analysis of the microRNA-mRNA response to radiochemotherapy in primary head and neck squamous cell carcinoma cells. <i>BMC Genomics</i> , 2015, 16, 654.	2.8	10
83	Mechanisms of the induction of apoptosis mediated by radiation-induced cytokine release. <i>Radiation Protection Dosimetry</i> , 2015, 166, 165-169.	0.8	10
84	A genomic copy number signature predicts radiation exposure in post-Chernobyl breast cancer. <i>International Journal of Cancer</i> , 2018, 143, 1505-1515.	5.1	10
85	In-vitro cytocompatibility and growth factor content of GBR/GTR membranes. <i>Dental Materials</i> , 2019, 35, 963-969.	3.5	8
86	Establishment and Validation of an Individualized Cell Cycle Process-Related Gene Signature to Predict Cancer-Specific Survival in Patients with Bladder Cancer. <i>Cancers</i> , 2020, 12, 1146.	3.7	8
87	Generation of focal mutations and large genomic deletions in the pancreas using inducible <i>in vivo</i> genome editing. <i>Carcinogenesis</i> , 2020, 41, 334-344.	2.8	7
88	MicroRNA-182-5p and microRNA-205-5p as potential biomarkers for prognostic stratification of p16-positive oropharyngeal squamous cell carcinoma. <i>Cancer Biomarkers</i> , 2021, , 1-17.	1.7	6
89	Posterior subcapsular cataracts are a late effect after acute exposure to 0.5 Gy ionizing radiation in mice. <i>International Journal of Radiation Biology</i> , 2021, 97, 529-540.	1.8	5
90	IL1 Pathway in HPV-Negative HNSCC Cells Is an Indicator of Radioresistance After Photon and Carbon Ion Irradiation Without Functional Involvement. <i>Frontiers in Oncology</i> , 2022, 12, 878675.	2.8	5

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91	The Chernobyl Tissue Bank – A Repository for Biomaterial and Data Used in Integrative and Systems Biology Modeling the Human Response to Radiation. <i>Genes</i> , 2012, 3, 278-290.	2.4	4
92	Utility of gene expression studies in relation to radiation exposure and clinical outcomes: thyroid cancer in the Ukrainian-American cohort and late health effects in a MAYAK worker cohort. <i>International Journal of Radiation Biology</i> , 2021, 97, 12-18.	1.8	4
93	Copy number aberrations from Affymetrix SNP 6.0 genotyping data – how accurate are commonly used prediction approaches?. <i>Briefings in Bioinformatics</i> , 2018, , .	6.5	3
94	Single-center versus multi-center data sets for molecular prognostic modeling: a simulation study. <i>Radiation Oncology</i> , 2020, 15, 109.	2.7	3
95	p53-Independent Induction of p21 Fails to Control Regeneration and Hepatocarcinogenesis in a Murine Liver Injury Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 1387-1404.	4.5	3
96	Tumor DNA – Methylome derived Epigenetic Fingerprint Identifies HPV – negative Head and Neck Patients at Risk for Locoregional Recurrence after Postoperative Radiochemotherapy. <i>International Journal of Cancer</i> , 2021, 150, 603.	5.1	2
97	Improved risk stratification in younger IDH wild-type glioblastoma patients by combining a 4-miRNA signature with MGMT promoter methylation status. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa137.	0.7	2
98	Increased replication stress and R-loop accumulation in EGFRvIII-expressing glioblastoma present new therapeutic opportunities. <i>Neuro-Oncology Advances</i> , 2022, 4, vdab180.	0.7	2
99	Transcriptome network of the papillary thyroid carcinoma radiation marker CLIP2. <i>Radiation Oncology</i> , 2020, 15, 182.	2.7	1
100	X-change symposium: status and future of modern radiation oncology – from technology to biology. <i>Radiation Oncology</i> , 2021, 16, 27.	2.7	1
101	Human microRNA – 182 – 5p and kinectin 1: Potential biomarkers for prognosis in oral squamous cell carcinoma. <i>Head and Neck</i> , 2021, 43, 3707-3719.	2.0	0
102	Analysis of Chromosomal Aberrations in Murine HCC. <i>Methods in Molecular Biology</i> , 2014, 1193, 213-226.	0.9	0