Pekka Kohonen

List of Publications by Year in descending order

64 papers	3,573 citations	136950 32 h-index	133252 59 g-index
65 all docs	65 docs citations	65 times ranked	8801 citing authors

#	Article	IF	Citations
1	Reply to: Prospects and challenges for FAIR toxicogenomics data. Nature Nanotechnology, 2022, 17, 19-20.	31.5	4
2	Towards FAIR nanosafety data. Nature Nanotechnology, 2021, 16, 644-654.	31.5	61
3	Toward Rigorous Materials Production: New Approach Methodologies Have Extensive Potential to Improve Current Safety Assessment Practices. Small, 2020, 16, e1904749.	10.0	43
4	Can an InChI for Nano Address the Need for a Simplified Representation of Complex Nanomaterials across Experimental and Nanoinformatics Studies?. Nanomaterials, 2020, 10, 2493.	4.1	28
5	Transcriptomics in Toxicogenomics, Part II: Preprocessing and Differential Expression Analysis for High Quality Data. Nanomaterials, 2020, 10, 903.	4.1	31
6	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for in silico nanosafety assessment. Computational and Structural Biotechnology Journal, 2020, 18, 583-602.	4.1	74
7	Transcriptomics in Toxicogenomics, Part III: Data Modelling for Risk Assessment. Nanomaterials, 2020, 10, 708.	4.1	38
8	Transcriptomics in Toxicogenomics, Part I: Experimental Design, Technologies, Publicly Available Data, and Regulatory Aspects. Nanomaterials, 2020, 10, 750.	4.1	42
9	Matrix and Tensor Factorization Methods for Toxicogenomic Modeling and Prediction. Challenges and Advances in Computational Chemistry and Physics, 2019, , 57-74.	0.6	1
10	Integrated analysis of in vitro data and the adverse outcome pathway framework for prioritization and regulatory applications: An exploratory case study using publicly available data on piperonyl butoxide and liver models. Toxicology in Vitro, 2019, 54, 23-32.	2.4	11
11	Toxic and Genomic Influences of Inhaled Nanomaterials as a Basis for Predicting Adverse Outcome. Annals of the American Thoracic Society, 2018, 15, S91-S97.	3.2	18
12	Macrophage sensing of single-walled carbon nanotubes via Toll-like receptors. Scientific Reports, 2018, 8, 1115.	3.3	62
13	toxFlow: A Web-Based Application for Read-Across Toxicity Prediction Using Omics and Physicochemical Data. Journal of Chemical Information and Modeling, 2018, 58, 543-549.	5.4	19
14	A Data Fusion Pipeline for Generating and Enriching Adverse Outcome Pathway Descriptions. Toxicological Sciences, 2018, 162, 264-275.	3.1	51
15	Enriching Nanomaterials Omics Data: An Integration Technique to Generate Biological Descriptors. Small Methods, 2017, 1, 1700139.	8.6	10
16	A transcriptomics data-driven gene space accurately predicts liver cytopathology and drug-induced liver injury. Nature Communications, 2017, 8, 15932.	12.8	99
17	RDFIO: extending Semantic MediaWiki for interoperable biomedical data management. Journal of Biomedical Semantics, 2017, 8, 35.	1.6	5
18	Systematic Identification of MicroRNAs That Impact on Proliferation of Prostate Cancer Cells and Display Changed Expression in Tumor Tissue. European Urology, 2016, 69, 1120-1128.	1.9	53

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19	High-throughput cell-based compound screen identifies pinosylvin methyl ether and tanshinone IIA as inhibitors of castration-resistant prostate cancer. Journal of Molecular Biochemistry, 2016, 5, 12-22.	0.1	7
20	Toward the Replacement of Animal Experiments through the Bioinformatics-driven Analysis of â€˜Omicsâ€™ Data from Human Cell Cultures. ATLA Alternatives To Laboratory Animals, 2015, 43, 325-332.	1.0	29
21	The eNanoMapper database for nanomaterial safety information. Beilstein Journal of Nanotechnology, 2015, 6, 1609-1634.	2.8	92
22	miR-183 in Prostate Cancer Cells Positively Regulates Synthesis and Serum Levels of Prostate-specific Antigen. European Urology, 2015, 68, 581-588.	1.9	35
23	Next-Generation Sequencing Reveals Low-Dose Effects of Cationic Dendrimers in Primary Human Bronchial Epithelial Cells. ACS Nano, 2015, 9, 146-163.	14.6	73
24	Androgen receptorâ€interacting protein <scp>HSPBAP1</scp> facilitates growth of prostate cancer cells in androgenâ€deficient conditions. International Journal of Cancer, 2015, 136, 2535-2545.	5.1	10
25	Proteomics Analysis Reveals Distinct Corona Composition on Magnetic Nanoparticles with Different Surface Coatings: Implications for Interactions with Primary Human Macrophages. PLoS ONE, 2015, 10, e0129008.	2.5	61
26	The first eNanoMapper prototype: A substance database to support safe-by-design. , 2014, , .		5
27	Cancer Biology, Toxicology and Alternative Methods Development Go Handâ€inâ€Hand. Basic and Clinical Pharmacology and Toxicology, 2014, 115, 50-58.	2.5	22
28	Plasminogen activator urokinase expression reveals TRAIL responsiveness and supports fractional survival of cancer cells. Cell Death and Disease, 2014, 5, e1043-e1043.	6.3	25
29	CIP2A oncoprotein controls cell growth and autophagy through mTORC1 activation. Journal of Cell Biology, 2014, 204, 713-727.	5.2	64
30	Inhibition of the mitochondrial pyrimidine biosynthesis enzyme dihydroorotate dehydrogenase by doxorubicin and brequinar sensitizes cancer cells to TRAIL-induced apoptosis. Oncogene, 2014, 33, 3538-3549.	5.9	34
31	The ToxBank Data Warehouse: Supporting the Replacement of In Vivo Repeated Dose Systemic Toxicity Testing. Molecular Informatics, 2013, 32, 47-63.	2.5	35
32	Novel pyrimidine-2,4-diamine derivative suppresses the cell viability and spindle assembly checkpoint activity by targeting Aurora kinases. Carcinogenesis, 2013, 34, 436-445.	2.8	4
33	Functional Profiling of Precursor MicroRNAs Identifies MicroRNAs Essential for Glioma Proliferation. PLoS ONE, 2013, 8, e60930.	2.5	43
34	Abstract 4032: Transcriptomics analyses of normal and transformed keratinocyte lines generated novel biomarkers for prognosticating outcome in head and neck cancer.. , 2013, , .		0
35	HES6 gene is selectively overexpressed in glioma and represents an important transcriptional regulator of glioma proliferation. Oncogene, 2012, 31, 1299-1310.	5.9	33
36	Lysophosphatidic acid and sphingosine-1-phosphate promote morphogenesis and block invasion of prostate cancer cells in three-dimensional organotypic models. Oncogene, 2012, 31, 2075-2089.	5.9	44

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37	Systematic knockdown of epigenetic enzymes identifies a novel histone demethylase PHF8 overexpressed in prostate cancer with an impact on cell proliferation, migration and invasion. Oncogene, 2012, 31, 3444-3456.	5.9	112
38	Genotoxic and epigenetic effects of silver nanoparticles. Toxicology Letters, 2012, 211, S40.	0.8	4
39	ErbB2-Driven Breast Cancer Cell Invasion Depends on a Complex Signaling Network Activating Myeloid Zinc Finger-1-Dependent Cathepsin B Expression. Molecular Cell, 2012, 45, 764-776.	9.7	112
40	High-Throughput Transcriptomic and RNAi Analysis Identifies AIM1, ERGIC1, TMED3 and TPX2 as Potential Drug Targets in Prostate Cancer. PLoS ONE, 2012, 7, e39801.	2.5	54
41	Integrative genomic, transcriptomic, and RNAi analysis indicates a potential oncogenic role for FAM110B in castrationâ€resistant prostate cancer. Prostate, 2012, 72, 789-802.	2.3	30
42	Arachidonic Acid Pathway Members PLA2G7, HPGD, EPHX2, and CYP4F8 Identified as Putative Novel Therapeutic Targets in Prostate Cancer. American Journal of Pathology, 2011, 178, 525-536.	3.8	102
43	Enhanced serine production by bone metastatic breast cancer cells stimulates osteoclastogenesis. Breast Cancer Research and Treatment, 2011, 125, 421-430.	2.5	222
44	Androgen regulation of microâ€RNAs in prostate cancer. Prostate, 2011, 71, 604-614.	2.3	144
45	Identification of miR-193b Targets in Breast Cancer Cells and Systems Biological Analysis of Their Functional Impact. Molecular and Cellular Proteomics, 2011, 10, M110.005322.	3.8	60
46	Systematic Analysis of MicroRNAs Targeting the Androgen Receptor in Prostate Cancer Cells. Cancer Research, 2011, 71, 1956-1967.	0.9	244
47	Abstract 3977: Systematic analysis of microRNAs targeting the androgen receptor in prostate cancer cells. , 2011, , .		3
48	GTI: A Novel Algorithm for Identifying Outlier Gene Expression Profiles from Integrated Microarray Datasets. PLoS ONE, 2011, 6, e17259.	2.5	29
49	Abstract 3800: HES6 gene is a strong glioma biomarker and a key transcriptional regulator needed for cancer cell growth. , 2011, , .		0
50	Inhibition of receptor tyrosine kinase signalling by small molecule agonist of T-cell protein tyrosine phosphatase. BMC Cancer, 2010, 10, 7.	2.6	32
51	Concerted action of Helios and Ikaros controls the expression of the inositol 5â€phosphatase SHIP. European Journal of Immunology, 2010, 40, 2599-2607.	2.9	29
52	A Comprehensive Panel of Three-Dimensional Models for Studies of Prostate Cancer Growth, Invasion and Drug Responses. PLoS ONE, 2010, 5, e10431.	2.5	299
53	Large-scale data integration framework provides a comprehensive view on glioblastoma multiforme. Genome Medicine, 2010, 2, 65.	8.2	145
54	Abstract 1953: Functional identification of microRNA targets by integrated proteomics and microarray profiling: miR-193b in breast cancer. , 2010, , .		0

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55	Abstract 2072: Systematic functional analysis of microRNAs by transfection of 1129 miRNAs into prostate cancer cells. , 2010, , .		0
56	High-Throughput Cell-Based Screening of 4910 Known Drugs and Drug-like Small Molecules Identifies Disulfiram as an Inhibitor of Prostate Cancer Cell Growth. Clinical Cancer Research, 2009, 15, 6070-6078.	7.0	185
57	Protein lysate microarray analysis to identify microRNAs regulating estrogen receptor signaling in breast cancer cell lines. Oncogene, 2009, 28, 3926-3936.	5.9	205
58	P26. MicroRNA expression profiling and functional screening in bone metastatic breast cancer cells. Cancer Treatment Reviews, 2008, 34, 22.	7.7	2
59	Loss of Pax5 Promotes Plasma Cell Differentiation. Immunity, 2006, 24, 283-293.	14.3	182
60	Development of Early PCLP1-Expressing Haematopoietic Cells within the Avian Dorsal Aorta. Scandinavian Journal of Immunology, 2005, 62, 218-223.	2.7	6
61	Chicken B-Cell-Activating Factor: Regulator of B-Cell Survival in the Bursa of Fabricius. Scandinavian Journal of Immunology, 2004, 59, 449-457.	2.7	39
62	Avian Helios and Evolution of the Ikaros Family. Scandinavian Journal of Immunology, 2004, 60, 100-107.	2.7	10
63	Identification of a novel cytokine-like transcript differentially expressed in avian ?d T cells. Immunogenetics, 2004, 55, 845-854.	2.4	20
64	Insight into lymphoid development by gene expression profiling of avian Bï¿½cells. Immunogenetics, 2003, 55, 412-422.	2.4	36