

Hans A Kestler

List of Publications by Year in descending order

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Version: 2024-02-01

267
papers

10,609
citations

36303

51
h-index

40979

93
g-index

311
all docs

311
docs citations

311
times ranked

18564
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of pre- α islands in the entorhinal cortex from selected primates and in lissencephaly. <i>Journal of Comparative Neurology</i> , 2022, 530, 683-704.	1.6	3
2	Is there a role for statistics in artificial intelligence?. <i>Advances in Data Analysis and Classification</i> , 2022, 16, 823-846.	1.4	27
3	CHD5 inhibits metastasis of neuroblastoma. <i>Oncogene</i> , 2022, 41, 622-633.	5.9	16
4	Functional Genomic Screening in Human Pluripotent Stem Cells Reveals New Roadblocks in Early Pancreatic Endoderm Formation. <i>Cells</i> , 2022, 11, 582.	4.1	2
5	A Theoretical Approach to Ordinal Classification: Feature Space-Based Definition and Classifier-Independent Detection of Ordinal Class Structures. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1815.	2.5	3
6	Identification of dynamic driver sets controlling phenotypical landscapes. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1603-1617.	4.1	1
7	Discrete Logic Modeling of Cell Signaling Pathways. <i>Methods in Molecular Biology</i> , 2022, 2488, 159-181.	0.9	3
8	Comparative Panel Sequencing of DNA Variants in cf-, ev- and tumorDNA for Pancreatic Ductal Adenocarcinoma Patients. <i>Cancers</i> , 2022, 14, 1074.	3.7	1
9	Interaction Empowerment in Mobile Health: Concepts, Challenges, and Perspectives. <i>JMIR MHealth and UHealth</i> , 2022, 10, e32696.	3.7	14
10	Response to the letter to the editor: On the feasibility of dynamical analysis of network models of biochemical regulation. <i>Bioinformatics</i> , 2022, 38, 3676-3676.	4.1	0
11	Collecting Data from Senior Citizens Using Serious Games. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	0
12	Prospective longitudinal study of immune checkpoint molecule (ICM) expression in immune cell subsets during curative conventional therapy of head and neck squamous cell carcinoma (HNSCC). <i>International Journal of Cancer</i> , 2021, 148, 2023-2035.	5.1	6
13	Improved automatic detection of herpesvirus secondary envelopment stages in electron microscopy by augmenting training data with synthetic labelled images generated by a generative adversarial network. <i>Cellular Microbiology</i> , 2021, 23, e13280.	2.1	10
14	Analysis, identification and visualization of subgroups in genomics. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	4
15	Synergistic targeting and resistance to PARP inhibition in DNA damage repair-deficient pancreatic cancer. <i>Gut</i> , 2021, 70, 743-760.	12.1	49
16	A perceptually optimised bivariate visualisation scheme for high-dimensional fold-change data. <i>Advances in Data Analysis and Classification</i> , 2021, 15, 463-480.	1.4	0
17	Introducing Bidirectional Ordinal Classifier Cascades Based on a Pain Intensity Recognition Scenario. <i>Lecture Notes in Computer Science</i> , 2021, , 773-787.	1.3	3
18	Perspective on mHealth Concepts to Ensure Usersâ€™ Empowermentâ€”From Adverse Event Tracking for COVID-19 Vaccinations to Oncological Treatment. <i>IEEE Access</i> , 2021, 9, 83863-83875.	4.2	8

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19	Reconstructing Boolean network ensembles from single-cell data for unraveling dynamics in the aging of human hematopoietic stem cells. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5321-5332.	4.1	24
20	Implementing FAIR data management within the German Network for Bioinformatics Infrastructure (de.NBI) exemplified by selected use cases. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	18
21	RINT1 Regulates SUMOylation and the DNA Damage Response to Preserve Cellular Homeostasis in Pancreatic Cancer. <i>Cancer Research</i> , 2021, 81, 1758-1774.	0.9	6
22	Unraveling the Molecular Tumor-Promoting Regulation of Cofilin-1 in Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 725.	3.7	12
23	Capturing dynamic relevance in Boolean networks using graph theoretical measures. <i>Bioinformatics</i> , 2021, 37, 3530-3537.	4.1	5
24	A Prospective Feasibility Trial to Challenge Patientâ€Derived Pancreatic Cancer Organoids in Predicting Treatment Response. <i>Cancers</i> , 2021, 13, 2539.	3.7	26
25	Supporting Medical Staff from Psycho-Oncology with Smart Mobile Devices: Insights into the Development Process and First Results. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5092.	2.6	9
26	Functional Genomic Screening During Somatic Cell Reprogramming Identifies DKK3 as a Roadblock of Organ Regeneration. <i>Advanced Science</i> , 2021, 8, 2100626.	11.2	7
27	Digitalization of adverse event management in oncology to improve treatment outcomeâ€A prospective study protocol. <i>PLoS ONE</i> , 2021, 16, e0252493.	2.5	7
28	NADH Fluorescence Lifetime Imaging Microscopy Reveals Selective Mitochondrial Dysfunction in Neurons Overexpressing Alzheimerâ€Related Proteins. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 671274.	3.5	6
29	Patient Empowerment During the COVID-19 Pandemic by Ensuring Safe and Fast Communication of Test Results: Implementation and Performance of a Tracking System. <i>Journal of Medical Internet Research</i> , 2021, 23, e27348.	4.3	6
30	Corona Healthâ€A Study- and Sensor-Based Mobile App Platform Exploring Aspects of the COVID-19 Pandemic. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7395.	2.6	21
31	Shorter Leukocyte Telomere Length Is Associated with Worse Survival of Patients with Bladder Cancer and Renal Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3774.	3.7	3
32	Editorial for ADAC issue 4 of volume 15 (2021). <i>Advances in Data Analysis and Classification</i> , 2021, 15, 825.	1.4	0
33	Multi-Modal Pain Intensity Assessment Based on Physiological Signals: A Deep Learning Perspective. <i>Frontiers in Physiology</i> , 2021, 12, 720464.	2.8	16
34	Predicting disease progression in behavioral variant frontotemporal dementia. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12262.	2.4	4
35	Aneuploidy-inducing gene knockdowns overlap with cancer mutations and identify Orp3 as a B-cell lymphoma suppressor. <i>Oncogene</i> , 2020, 39, 1445-1465.	5.9	11
36	Elevated Hedgehog activity contributes to attenuated DNA damage responses in aged hematopoietic cells. <i>Leukemia</i> , 2020, 34, 1125-1134.	7.2	10

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37	Biomarker profile for prediction of response to SMAC mimetic monotherapy in pediatric precursor B-cell acute lymphoblastic leukemia. <i>International Journal of Cancer</i> , 2020, 146, 3219-3231.	5.1	9
38	Differences in expression and function of LEF1 isoforms in normal versus leukemic hematopoiesis. <i>Leukemia</i> , 2020, 34, 1027-1037.	7.2	16
39	Detecting Ordinal Subcascades. <i>Neural Processing Letters</i> , 2020, 52, 2583-2605.	3.2	4
40	Constraining classifiers in molecular analysis: invariance and robustness. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190612.	3.4	1
41	Peripheral Cytokine Levels Differ by HPV Status and Change Treatment-Dependently in Patients with Head and Neck Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5990.	4.1	14
42	Editorial for ADAC issue 3 of volume 14 (2020). <i>Advances in Data Analysis and Classification</i> , 2020, 14, 513-515.	1.4	0
43	Measuring Mental Effort for Creating Mobile Data Collection Applications. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1649.	2.6	2
44	Concepts in Boolean network modeling: What do they all mean?. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 571-582.	4.1	128
45	Chained correlations for feature selection. <i>Advances in Data Analysis and Classification</i> , 2020, 14, 871-884.	1.4	2
46	Awakening the HSC: Dynamic Modeling of HSC Maintenance Unravels Regulation of the TP53 Pathway and Quiescence. <i>Frontiers in Physiology</i> , 2020, 11, 848.	2.8	13
47	Two-Stream Attention Network for Pain Recognition from Video Sequences. <i>Sensors</i> , 2020, 20, 839.	3.8	25
48	Heterogeneity of <i>Streptococcus anginosus</i> Chemolysis in relation to CRISPR/Cas. <i>Molecular Oral Microbiology</i> , 2020, 35, 56-65.	2.7	7
49	Reduced Rate of Inpatient Hospital Admissions in 18 German University Hospitals During the COVID-19 Lockdown. <i>Frontiers in Public Health</i> , 2020, 8, 594117.	2.7	73
50	Protein Kinase D1, Reduced in Human Pancreatic Tumors, Increases Secretion of Small Extracellular Vesicles From Cancer Cells That Promote Metastasis to Lung in Mice. <i>Gastroenterology</i> , 2020, 159, 1019-1035.e22.	1.3	47
51	Multimodal Deep Denoising Convolutional Autoencoders for Pain Intensity Classification based on Physiological Signals. , 2020, , .		18
52	Patterns of antibody responses to nonviral cancer antigens in head and neck squamous cell carcinoma patients differ by human papillomavirus status. <i>International Journal of Cancer</i> , 2019, 145, 3436-3444.	5.1	8
53	Prediction of venetoclax activity in precursor B-ALL by functional assessment of apoptosis signaling. <i>Cell Death and Disease</i> , 2019, 10, 571.	6.3	29
54	Exploring Deep Physiological Models for Nociceptive Pain Recognition. <i>Sensors</i> , 2019, 19, 4503.	3.8	39

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55	Systematic Affinity Purification Coupled to Mass Spectrometry Identified p62 as Part of the Cannabinoid Receptor CB2 Interactome. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 224.	2.9	15
56	Antibody Responses to Cancer Antigens Identify Patients with a Poor Prognosis among HPV-Positive and HPV-Negative Head and Neck Squamous Cell Carcinoma Patients. <i>Clinical Cancer Research</i> , 2019, 25, 7405-7412.	7.0	13
57	Assessing phenotype order in molecular data. <i>Scientific Reports</i> , 2019, 9, 11746.	3.3	6
58	Representing dynamic biological networks with multi-scale probabilistic models. <i>Communications Biology</i> , 2019, 2, 21.	4.4	23
59	Inflammatory response of mesenchymal stromal cells after in vivo exposure with selected trauma-related factors and polytrauma serum. <i>PLoS ONE</i> , 2019, 14, e0216862.	2.5	15
60	Clonal evolution patterns in acute myeloid leukemia with NPM1 mutation. <i>Nature Communications</i> , 2019, 10, 2031.	12.8	87
61	Investigating the self-study phase of an inverted biochemistry classroom – collaborative dyadic learning makes the difference. <i>BMC Medical Education</i> , 2019, 19, 64.	2.4	14
62	Cohesin-mediated NF- κ B signaling limits hematopoietic stem cell self-renewal in aging and inflammation. <i>Journal of Experimental Medicine</i> , 2019, 216, 152-175.	8.5	56
63	Biomarker Profile for Prediction of Patient Response to Smac Mimetic Monotherapy in Pediatric Precursor B-Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , 2019, 134, 2082-2082.	1.4	6
64	Comment on 'Naked mole-rat mortality rates defy Gompertzian laws by not increasing with age'. <i>ELife</i> , 2019, 8, .	6.0	16
65	sAPP Δ 2 and sAPP Δ 1 increase structural complexity and E/I input ratio in primary hippocampal neurons and alter Ca $^{2+}$ homeostasis and CREB1-signaling. <i>Experimental Neurology</i> , 2018, 304, 1-13.	4.1	9
66	The Influence of Multi-class Feature Selection on the Prediction of Diagnostic Phenotypes. <i>Neural Processing Letters</i> , 2018, 48, 863-880.	3.2	12
67	Big data and precision medicine: challenges and strategies with healthcare data. <i>International Journal of Data Science and Analytics</i> , 2018, 6, 241-249.	4.1	24
68	Rank-based classifiers for extremely high-dimensional gene expression data. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 917-936.	1.4	3
69	RNA Structures as Processing Signals. <i>Lecture Notes in Bioengineering</i> , 2018, , 367-374.	0.4	0
70	Semantic Multi-Classifer Systems Identify Predictive Processes in Heart Failure Models across Species. <i>Biomolecules</i> , 2018, 8, 158.	4.0	1
71	Special issue on ‘Science of big data: theory, methods and applications’. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 823-825.	1.4	0
72	3D Network exploration and visualisation for lifespan data. <i>BMC Bioinformatics</i> , 2018, 19, 390.	2.6	5

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73	YAP Activation Drives Liver Regeneration after Cholestatic Damage Induced by Rbpj Deletion. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3801.	4.1	20
74	Selecting Features from Foreign Classes. <i>Lecture Notes in Computer Science</i> , 2018, , 66-77.	1.3	3
75	Naked mole-rat transcriptome signatures of socially suppressed sexual maturation and links of reproduction to aging. <i>BMC Biology</i> , 2018, 16, 77.	3.8	26
76	Automatic Screening for Perturbations in Boolean Networks. <i>Frontiers in Physiology</i> , 2018, 9, 431.	2.8	28
77	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy <i>in vivo</i> . <i>Autophagy</i> , 2018, 14, 1911-1927.	9.1	35
78	Googles DeepVariant: eine Methode für die Medizin- und Bioinformatik?. <i>BioSpektrum</i> , 2018, 24, 235-235.	0.0	1
79	A Boolean network of the crosstalk between IGF and Wnt signaling in aging satellite cells. <i>PLoS ONE</i> , 2018, 13, e0195126.	2.5	27
80	Long-lived rodents reveal signatures of positive selection in genes associated with lifespan. <i>PLoS Genetics</i> , 2018, 14, e1007272.	3.5	39
81	Thirty-eight-negative kinase 1 mediates trauma-induced intestinal injury and multi-organ failure. <i>Journal of Clinical Investigation</i> , 2018, 128, 5056-5072.	8.2	36
82	A novel biomarker combination and its association with resistance to chemotherapy combinations with bevacizumab: First results of the PERMAD trial.. <i>Journal of Clinical Oncology</i> , 2018, 36, e15545-e15545.	1.6	0
83	ViSiBooLâ€”visualization and simulation of Boolean networks with temporal constraints. <i>Bioinformatics</i> , 2017, 33, 601-604.	4.1	18
84	Central nervous system involvement in acute lymphoblastic leukemia is mediated by vascular endothelial growth factor. <i>Blood</i> , 2017, 130, 643-654.	1.4	68
85	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. <i>Diabetes</i> , 2017, 66, 2888-2902.	0.6	615
86	Tissue-, sex-, and age-specific DNA methylation of rat glucocorticoid receptor gene promoter and insulin-like growth factor 2 imprinting control region. <i>Physiological Genomics</i> , 2017, 49, 690-702.	2.3	12
87	Comparative gene-expression profiling of the large cell variant of gastrointestinal marginal-zone B-cell lymphoma. <i>Scientific Reports</i> , 2017, 7, 5963.	3.3	6
88	Switch-like behavior enables Wnt11 concentration specific response during dorso-ventral axis formation in <i>Xenopus laevis</i> . <i>Journal of Theoretical Biology</i> , 2017, 429, 82-94.	1.7	3
89	Reduced cGMP levels in CSF of AD patients correlate with severity of dementia and current depression. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 17.	6.2	30
90	Combined microRNA and mRNA microfluidic TaqMan array cards for the diagnosis of malignancy of multiple types of pancreato-biliary tumors in fine-needle aspiration material. <i>Oncotarget</i> , 2017, 8, 108223-108237.	1.8	9

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91	Stability of Signaling Pathways during Aging – A Boolean Network Approach. <i>Biology</i> , 2017, 6, 46.	2.8	17
92	A model of the onset of the senescence associated secretory phenotype after DNA damage induced senescence. <i>PLoS Computational Biology</i> , 2017, 13, e1005741.	3.2	57
93	Epigenetic stress responses induce muscle stem-cell ageing by Hoxa9 developmental signals. <i>Nature</i> , 2016, 540, 428-432.	27.8	108
94	MiR-139-5p is a potent tumor suppressor in adult acute myeloid leukemia. <i>Blood Cancer Journal</i> , 2016, 6, e508-e508.	6.2	25
95	RUNX1 mutations in acute myeloid leukemia are associated with distinct clinico-pathologic and genetic features. <i>Leukemia</i> , 2016, 30, 2160-2168.	7.2	197
96	Selection Stability as a Means of Biomarker Discovery in Classification. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2016, , 79-89.	0.2	7
97	Interpretable Classifiers in Precision Medicine: Feature Selection and Multi-class Categorization. <i>Lecture Notes in Computer Science</i> , 2016, , 105-116.	1.3	2
98	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. <i>EBioMedicine</i> , 2016, 12, 227-238.	6.1	34
99	397 In-silico modeling of the senescence associated secretory phenotype. <i>Journal of Investigative Dermatology</i> , 2016, 136, S70.	0.7	0
100	Cool-temperature-mediated activation of phospholipase C- β 2 in the human hereditary disease PLAID. <i>Cellular Signalling</i> , 2016, 28, 1237-1251.	3.6	24
101	BiTrin – multiscale binarization and trinarization with quality analysis. <i>Bioinformatics</i> , 2016, 32, 465-468.	4.1	22
102	PLAC8 Localizes to the Inner Plasma Membrane of Pancreatic Cancer Cells and Regulates Cell Growth and Disease Progression through Critical Cell-Cycle Regulatory Pathways. <i>Cancer Research</i> , 2016, 76, 96-107.	0.9	69
103	GiANT: gene set uncertainty in enrichment analysis. <i>Bioinformatics</i> , 2016, 32, 1891-1894.	4.1	7
104	Boolean modeling identifies Greatwall/MASTL as an important regulator in the AURKA network of neuroblastoma. <i>Cancer Letters</i> , 2016, 371, 79-89.	7.2	38
105	TraqBio - Flexible Progress Tracking for Core Unit Projects. <i>PLoS ONE</i> , 2016, 11, e0162857.	2.5	3
106	Predicting Variabilities in Cardiac Gene Expression with a Boolean Network Incorporating Uncertainty. <i>PLoS ONE</i> , 2015, 10, e0131832.	2.5	18
107	Site-specific methylation of Notch1 controls the amplitude and duration of the Notch1 response. <i>Science Signaling</i> , 2015, 8, ra30.	3.6	62
108	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. <i>Cell</i> , 2015, 163, 1527-1538.	28.9	251

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109	Exhaustive k-nearest-neighbour subspace clustering. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 30-46.	1.2	7
110	Cooperative development of logical modelling standards and tools with CoLoMoTo. <i>Bioinformatics</i> , 2015, 31, 1154-1159.	4.1	98
111	On the validity of time-dependent AUC estimators. <i>Briefings in Bioinformatics</i> , 2015, 16, 153-168.	6.5	16
112	Extended pairwise local alignment of wild card DNA/RNA sequences using dynamic programming. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 3-13.	1.2	4
113	Wnt activity and basal niche position sensitize intestinal stem and progenitor cells to <sc>DNA</sc> damage. <i>EMBO Journal</i> , 2015, 34, 624-640.	7.8	82
114	Sputnik: <i>ad hoc</i> distributed computation. <i>Bioinformatics</i> , 2015, 31, 1298-1301.	4.1	9
115	Ensembles of Representative Prototype Sets for Classification and Data Set Analysis. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2015, , 329-339.	0.2	1
116	Telomerase abrogates aneuploidy-induced telomere replication stress, senescence and cell depletion. <i>EMBO Journal</i> , 2015, 34, 1371-1384.	7.8	65
117	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , 2015, 47, 1415-1425.	21.4	365
118	SPLIFF: A Single-Cell Method to Map Protein-Protein Interactions in Time and Space. <i>Methods in Molecular Biology</i> , 2015, 1346, 151-168.	0.9	16
119	Detecting Ordinal Class Structures. <i>Lecture Notes in Computer Science</i> , 2015, , 100-111.	1.3	10
120	Migration of Acute Lymphoblastic Leukemia Cells into the Central Nervous System Is Regulated By VEGF. <i>Blood</i> , 2015, 126, 2634-2634.	1.4	4
121	Abstract P6-08-39: Influence of lifestyle factors and tumor cell dissemination in 632 early breast cancer patients. , 2015, , .		0
122	Ant colony optimization with group learning. , 2014, , .		0
123	HSP90 Supports Tumor Growth and Angiogenesis through PRKD2 Protein Stabilization. <i>Cancer Research</i> , 2014, 74, 7125-7136.	0.9	52
124	Identifying predictive hubs to condense the training set of \$\$\$ -nearest neighbour classifiers. <i>Computational Statistics</i> , 2014, 29, 81-95.	1.5	5
125	Inferring Boolean functions via higher-order correlations. <i>Computational Statistics</i> , 2014, 29, 97-115.	1.5	10
126	Telomerase stimulates ribosomal DNA transcription under hyperproliferative conditions. <i>Nature Communications</i> , 2014, 5, 4599.	12.8	38

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127	Unlabeling data can improve classification accuracy. <i>Pattern Recognition Letters</i> , 2014, 37, 15-23.	4.2	5
128	Rank Aggregation for Candidate Gene Identification. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2014, , 285-293.	0.2	1
129	Three Transductive Set Covering Machines. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2014, , 303-311.	0.2	1
130	Linear Contrast Classifiers in High-Dimensional Spaces. <i>Lecture Notes in Computer Science</i> , 2014, , 141-152.	1.3	1
131	Attractors in Boolean networks: a tutorial. <i>Computational Statistics</i> , 2013, 28, 19-36.	1.5	41
132	Measuring and visualizing the stability of biomarker selection techniques. <i>Computational Statistics</i> , 2013, 28, 51-65.	1.5	30
133	A canonical to non-canonical Wnt signalling switch in haematopoietic stem-cell ageing. <i>Nature</i> , 2013, 503, 392-396.	27.8	265
134	A Hierarchy in Reprogramming Capacity in Different Tissue Microenvironments: What We Know and What We Need to Know. <i>Stem Cells and Development</i> , 2013, 22, 695-706.	2.1	22
135	A fluorescent reporter for mapping cellular protein-protein interactions in time and space. <i>Molecular Systems Biology</i> , 2013, 9, 647.	7.2	21
136	On the discovery of events in EEG data utilizing information fusion. <i>Computational Statistics</i> , 2013, 28, 5-18.	1.5	15
137	Group-based ant colony optimization. , 2013, , .		2
138	RNA-Pareto: interactive analysis of Pareto-optimal RNA sequence-structure alignments. <i>Bioinformatics</i> , 2013, 29, 3102-3104.	4.1	9
139	Structural RNA alignment by multi-objective optimization. <i>Bioinformatics</i> , 2013, 29, 1607-1613.	4.1	13
140	Molecular radiotherapy: The NUKFIT software for calculating the time-integrated activity coefficient. <i>Medical Physics</i> , 2013, 40, 102504.	3.0	73
141	The Early Activation Marker CD69 Regulates the Expression of Chemokines and CD4 T Cell Accumulation in Intestine. <i>PLoS ONE</i> , 2013, 8, e65413.	2.5	50
142	The phosphatase of regenerating liver 3 (PRL-3) promotes cell migration via Arf-activity dependent stimulation of integrin alpha5 recycling. <i>Journal of Cell Science</i> , 2012, 125, 3883-92.	2.0	26
143	Chitinase enzyme activity in CSF is a powerful biomarker of Alzheimer disease. <i>Neurology</i> , 2012, 78, 569-577.	1.1	106
144	Targeting of KRAS mutant tumors by HSP90 inhibitors involves degradation of STK33. <i>Journal of Experimental Medicine</i> , 2012, 209, 697-711.	8.5	63

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145	CD69 Regulates Type I IFN-Induced Tolerogenic Signals to Mucosal CD4 T Cells That Attenuate Their Colitogenic Potential. <i>Journal of Immunology</i> , 2012, 188, 2001-2013.	0.8	68
146	Multiscale Binarization of Gene Expression Data for Reconstructing Boolean Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012, 9, 487-498.	3.0	55
147	ASSESSMENT OF AUTOMATED ANALYSES OF CELL MIGRATION ON FLAT AND NANOSTRUCTURED SURFACES. <i>Computational and Structural Biotechnology Journal</i> , 2012, 1, e201207004.	4.1	3
148	Transient telomere dysfunction induces chromosomal instability and promotes carcinogenesis. <i>Journal of Clinical Investigation</i> , 2012, 122, 2283-2288.	8.2	46
149	A Differentiation Checkpoint Limits Hematopoietic Stem Cell Self-Renewal in Response to DNA Damage. <i>Cell</i> , 2012, 148, 1001-1014.	28.9	296
150	Increased Reprogramming Capacity of Mouse Liver Progenitor Cells, Compared With Differentiated Liver Cells, Requires the BAF Complex. <i>Gastroenterology</i> , 2012, 142, 907-917.	1.3	47
151	Disruption of Trp53 in Livers of Mice Induces Formation of Carcinomas With Bilineal Differentiation. <i>Gastroenterology</i> , 2012, 142, 1229-1239.e3.	1.3	74
152	A Boolean Model of the Cardiac Gene Regulatory Network Determining First and Second Heart Field Identity. <i>PLoS ONE</i> , 2012, 7, e46798.	2.5	82
153	Differentiation of multiple types of pancreatico-biliary tumors by molecular analysis of clinical specimens. <i>Journal of Molecular Medicine</i> , 2012, 90, 457-464.	3.9	9
154	Characterization of the nonallelic homologous recombination hotspot PRS3 associated with type-3 <i>></i> NF1</i> deletions. <i>Human Mutation</i> , 2012, 33, 372-383.	2.5	28
155	Representative Prototype Sets for Data Characterization and Classification. <i>Lecture Notes in Computer Science</i> , 2012, , 36-47.	1.3	3
156	Multi-Objective Parameter Selection for Classifiers. <i>Journal of Statistical Software</i> , 2012, 46, .	3.7	33
157	Abstract 2773: HSP90 inhibitors target KRAS mutant human tumors through degradation of STK33. , 2012, , .		0
158	Inflammation, Regeneration, and Transformation in the Pancreas. <i>Pancreas</i> , 2011, 40, 489-502.	1.1	3
159	Integrative nucleophosmin mutation-associated microRNA and gene expression pattern analysis identifies novel microRNA - target gene interactions in acute myeloid leukemia. <i>Haematologica</i> , 2011, 96, 1783-1791.	3.5	39
160	TimeLapseAnalyzer: Multi-target analysis for live-cell imaging and time-lapse microscopy. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 104, 227-234.	4.7	36
161	Early Relapse in ALL Is Identified by Time to Leukemia in NOD/SCID Mice and Is Characterized by a Gene Signature Involving Survival Pathways. <i>Cancer Cell</i> , 2011, 19, 206-217.	16.8	80
162	Search heuristics and the influence of non-perfect randomness: examining Genetic Algorithms and Simulated Annealing. <i>Computational Statistics</i> , 2011, 26, 303-319.	1.5	11

#	ARTICLE	IF	CITATIONS
163	On the fusion of threshold classifiers for categorization and dimensionality reduction. Computational Statistics, 2011, 26, 321-340.	1.5	20
164	Multi-objective selection for collecting cluster alternatives. Computational Statistics, 2011, 26, 341-353.	1.5	19
165	Inferring Boolean network structure via correlation. Bioinformatics, 2011, 27, 1529-1536.	4.1	45
166	Generating a Wnt switch: itâ€™s all about the right dosage. Journal of Cell Biology, 2011, 193, 431-433.	5.2	32
167	High Risk Acute Lymphoblastic Leukemia with Rapid NOD/SCID Engraftment Is Characterized by High Protein Expression of CYCLIN B, Beta-CATENIN, ANNEXIN I and Decreased PKC Alpha Activation. Blood, 2011, 118, 1457-1457.	1.4	0
168	Characterization of patients with acute chest pain using cardiac magnetic resonance imaging. Clinical Research in Cardiology Supplements, 2010, 5, 63-69.	2.0	2
169	A highly efficient multi-core algorithm for clustering extremely large datasets. BMC Bioinformatics, 2010, 11, 169.	2.6	22
170	A new tool linking human cytomegalovirus drug resistance mutations to resistance phenotypes. Antiviral Research, 2010, 85, 318-327.	4.1	73
171	Significantly improved precision of cell migration analysis in time-lapse video microscopy through use of a fully automated tracking system. BMC Cell Biology, 2010, 11, 24.	3.0	80
172	Lifestyle impacts on the agingâ€associated expression of biomarkers of DNA damage and telomere dysfunction in human blood. Aging Cell, 2010, 9, 607-615.	6.7	140
173	BoolNetâ€an R package for generation, reconstruction and analysis of Boolean networks. Bioinformatics, 2010, 26, 1378-1380.	4.1	381
174	Chromosomal Integration of Adenoviral Vector DNA <i>In Vivo</i>. Journal of Virology, 2010, 84, 9987-9994.	3.4	77
175	Robustness Analysis of Eleven Linear Classifiers in Extremely Highâ€Dimensional Feature Spaces. Lecture Notes in Computer Science, 2010, , 72-83.	1.3	6
176	Electrocardiographic and cardiac magnetic resonance imaging parameters as predictors of a worse outcome in patients with idiopathic dilated cardiomyopathy. European Heart Journal, 2009, 30, 2011-2018.	2.2	87
177	Microarrayâ€based genomic profiling reveals novel genomic aberrations in follicular lymphoma which associate with patient survival and gene expression status. Genes Chromosomes and Cancer, 2009, 48, 39-54.	2.8	70
178	p53 deletion impairs clearance of chromosomal- <i>instable</i> stem cells in aging telomere-dysfunctional mice. Nature Genetics, 2009, 41, 1138-1143.	21.4	96
179	Impact of pioglitazone on coronary endothelial function in non-diabetic patients with coronary artery disease. Clinical Research in Cardiology, 2008, 97, 726-733.	3.3	16
180	Characterization of patients with acute chest pain using cardiac magnetic resonance imaging. Clinical Research in Cardiology, 2008, 97, 760-767.	3.3	51

#	ARTICLE	IF	CITATIONS
181	Network modeling of signal transduction: establishing the global view. <i>BioEssays</i> , 2008, 30, 1110-1125.	2.5	77
182	VennMaster: Area-proportional Euler diagrams for functional GO analysis of microarrays. <i>BMC Bioinformatics</i> , 2008, 9, 67.	2.6	89
183	Differential Diagnosis of Pancreatic Tumors by Molecular Analysis of Clinical Specimens. <i>Pancreatology</i> , 2008, 8, 551-557.	1.1	6
184	From individual Wnt pathways towards a Wnt signalling network. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1333-1347.	4.0	165
185	MYC stimulates EZH2 expression by repression of its negative regulator miR-26a. <i>Blood</i> , 2008, 112, 4202-4212.	1.4	369
186	Visualization of genomic aberrations using Affymetrix SNP arrays. <i>Bioinformatics</i> , 2007, 23, 496-497.	4.1	25
187	Assessment of myocardial perfusion for detection of coronary artery stenoses by steady-state, free-precession magnetic resonance first-pass imaging. <i>Heart</i> , 2007, 93, 1381-1385.	2.9	38
188	Extended analyses of the Wnt/ β -catenin pathway: Robustness and oscillatory behaviour. <i>FEBS Letters</i> , 2007, 581, 4043-4048.	2.8	48
189	β -Catenin signaling contributes to stemness and regulates early differentiation in murine embryonic stem cells. <i>FEBS Letters</i> , 2007, 581, 5247-5254.	2.8	113
190	Prognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in patients with idiopathic dilated cardiomyopathy. , 2007, , .		0
191	Transcriptional profiling suggests that secondary and primary large B-cell lymphomas of the gastrointestinal (GI) tract are blastic variants of GI marginal zone lymphoma. <i>Journal of Pathology</i> , 2007, 211, 305-313.	4.5	25
192	Further delineation of chromosomal consensus regions in primary mediastinal B-cell lymphomas: an analysis of 37 tumor samples using high-resolution genomic profiling (array-CGH). <i>Leukemia</i> , 2007, 21, 2463-2469.	7.2	78
193	Matrix-comparative genomic hybridization from multicenter formalin-fixed paraffin-embedded colorectal cancer tissue blocks. <i>BMC Cancer</i> , 2007, 7, 58.	2.6	17
194	Comparison of the slow-release polymerbased paclitaxel-eluting Taxus-Express stent with the bare-metal Express stent for saphenous vein graft interventions. <i>Clinical Research in Cardiology</i> , 2007, 96, 70-76.	3.3	51
195	Disclosure of Candidate Genes in Acute Myeloid Leukemia With Complex Karyotypes Using Microarray-Based Molecular Characterization. <i>Journal of Clinical Oncology</i> , 2006, 24, 3887-3894.	1.6	141
196	Cardiac Magnetic Resonance Imaging and Transesophageal Echocardiography in Patients With Transcatheter Closure of Patent Foramen Ovale. <i>Journal of the American College of Cardiology</i> , 2006, 48, 322-329.	2.8	59
197	Myocardial Perfusion Reserve in Cardiovascular Magnetic Resonance: Correlation to Coronary Microvascular Dysfunction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006, 8, 781-787.	3.3	49
198	A Perceptually Optimized Scheme for Visualizing Gene Expression Ratios with Confidence Values. <i>Lecture Notes in Computer Science</i> , 2006, , 73-84.	1.3	2

#	ARTICLE	IF	CITATIONS
199	Orientation Histograms for Face Recognition. Lecture Notes in Computer Science, 2006, , 253-259.	1.3	10
200	An Empirical Comparison of Feature Reduction Methods in the Context of Microarray Data Classification. Lecture Notes in Computer Science, 2006, , 260-273.	1.3	2
201	Specialized DNA Arrays for the Differentiation of Pancreatic Tumors. Clinical Cancer Research, 2005, 11, 8048-8054.	7.0	44
202	Transcriptome analysis of microdissected pancreatic intraepithelial neoplastic lesions. Oncogene, 2005, 24, 6626-6636.	5.9	174
203	Transcriptome analysis of human hepatic and pancreatic stellate cells: organ-specific variations of a common transcriptional phenotype. Journal of Molecular Medicine, 2005, 83, 795-805.	3.9	103
204	Generalized Venn diagrams: a new method of visualizing complex genetic set relations. Bioinformatics, 2005, 21, 1592-1595.	4.1	107
205	NF- κ B controls the global pro-inflammatory response in endothelial cells: evidence for the regulation of a pro-atherogenic program. Nucleic Acids Research, 2005, 33, 5308-5319.	14.5	248
206	Sequelae of acute myocardial infarction regarding cardiac structure and function and their prognostic significance as assessed by magnetic resonance imaging. European Heart Journal, 2005, 26, 549-557.	2.2	458
207	Genomic DNA-Chip Hybridization Reveals a Higher Incidence of Genomic Amplifications in Pancreatic Cancer than Conventional Comparative Genomic Hybridization and Leads to the Identification of Novel Candidate Genes. Cancer Research, 2004, 64, 4428-4433.	0.9	140
208	Automated array-based genomic profiling in chronic lymphocytic leukemia: Development of a clinical tool and discovery of recurrent genomic alterations. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1039-1044.	7.1	221
209	Incidental carcinoma of the prostate: clinicopathological, stereological and immunohistochemical findings studied with logistic regression and self-organizing feature maps. BJU International, 2004, 93, 284-290.	2.5	13
210	Prediction of the axillary lymph node status in mammary cancer on the basis of clinicopathological data and flow cytometry. Medical and Biological Engineering and Computing, 2004, 42, 733-739.	2.8	16
211	Expression profiling of the influence of RAS mutants on the TGF β 1-induced phenotype of the pancreatic cancer cell line PANC-1. Genes Chromosomes and Cancer, 2004, 39, 224-235.	2.8	39
212	Re-angioplasty of in-stent restenosis versus balloon restenosesâ€”a matched pair comparison. International Journal of Cardiology, 2004, 93, 257-262.	1.7	4
213	Genomic DNA-chip hybridization in t(11;14)-positive mantle cell lymphomas shows a high frequency of aberrations and allows a refined characterization of consensus regions. Blood, 2004, 104, 795-801.	1.4	121
214	High Resolution Screening of Genomic Aberrations in Follicular Lymphoma Using Microarray Based Comparative Genomic Hybridization (MATRIX-CGH).. Blood, 2004, 104, 2271-2271.	1.4	0
215	Characterization of Secondary Alterations in Mantle Cell Lymphomas Using Matrix-/Array CGH.. Blood, 2004, 104, 4349-4349.	1.4	0
216	Identification of Genomic Imbalances in AML with Complex Karyotype Using Matrix-Based Comparative Genomic Hybridization.. Blood, 2004, 104, 3382-3382.	1.4	0

#	ARTICLE	IF	CITATIONS
217	Classification of Prostatic Carcinoma with Artificial Neural Networks Using Comparative Genomic Hybridization and Quantitative Stereological Data. <i>Pathology Research and Practice</i> , 2003, 199, 773-784.	2.3	22
218	DNA microarray analysis in malignant lymphomas. <i>Annals of Hematology</i> , 2003, 82, 323-332.	1.8	22
219	Radial basis function neural networks and temporal fusion for the classification of bioacoustic time series. <i>Neurocomputing</i> , 2003, 51, 265-275.	5.9	19
220	Segmenting the endocardial border of the left ventricle in cardiac magnetic resonance images. , 2003, , .		1
221	Estimation of intra- and inter-ventricular dyssynchronization with cardiac magnetic resonance imaging. , 2003, , .		4
222	Prognostic value of intra-QRS and ST-T micro-variability - a 2 year follow-up. , 2003, , .		0
223	Optimal Acquisition Parameters for Contrast Enhanced Magnetic Resonance Imaging After Chronic Myocardial Infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003, 5, 575-587.	3.3	25
224	P2942 SSFP magnetic resonance imaging allows visual assessment of coronary perfusion. <i>European Heart Journal</i> , 2003, 24, 569.	2.2	0
225	P2294 Cardiac magnetic resonance imaging has a prognostic value of after acute myocardial infarction. <i>European Heart Journal</i> , 2003, 24, 441.	2.2	1
226	Classification of Prostatic Cancer Using Artificial Neural Networks. , 2002, , 101-111.		0
227	Chromosomal Regions in Prostatic Carcinomas Studied by Comparative Genomic Hybridization, Hierarchical Cluster Analysis and Self-Organizing Feature Maps. <i>Analytical Cellular Pathology</i> , 2002, 24, 167-179.	2.1	11
228	Unsupervised and Supervised Learning in Radial-Basis-Function Networks. <i>Studies in Fuzziness and Soft Computing</i> , 2002, , 217-243.	0.8	6
229	Hierarchical Object Classification for Autonomous Mobile Robots. <i>Lecture Notes in Computer Science</i> , 2002, , 831-836.	1.3	2
230	Algorithms for the Visualization of Large and Multivariate Data Sets. <i>Studies in Fuzziness and Soft Computing</i> , 2002, , 165-183.	0.8	1
231	Cluster Analysis of Comparative Genomic Hybridization (CGH) Data Using Self-Organizing Maps: Application to Prostate Carcinomas. <i>Analytical Cellular Pathology</i> , 2001, 23, 29-37.	2.1	23
232	Prediction of Postoperative Prostatic Cancer Stage on the Basis of Systematic Biopsies using Two Types of Artificial Neural Networks. <i>European Urology</i> , 2001, 39, 530-537.	1.9	14
233	Three learning phases for radial-basis-function networks. <i>Neural Networks</i> , 2001, 14, 439-458.	5.9	437
234	ROC with confidence " a Perl program for receiver operator characteristic curves. <i>Computer Methods and Programs in Biomedicine</i> , 2001, 64, 133-136.	4.7	15

#	ARTICLE	IF	CITATIONS
235	Magnetic Resonance Imaging After Percutaneous Closure of a Patent Foramen Ovale. <i>Circulation</i> , 2001, 104, E117-8.	1.6	2
236	Cardiac vulnerability assessment from electrical microvariability of high-resolution electrocardiogram. <i>Medical and Biological Engineering and Computing</i> , 2000, 38, 88-92.	2.8	11
237	Classification of spatial textures in benign and cancerous glandular tissues by stereology and stochastic geometry using artificial neural networks. <i>Journal of Microscopy</i> , 2000, 198, 143.	1.8	25
238	Neural Classification in High-Resolution ECG Signal Processing. <i>Developments in Cardiovascular Medicine</i> , 2000, , 441-452.	0.1	0
239	Detection of QRS-Variability. <i>Developments in Cardiovascular Medicine</i> , 2000, , 109-119.	0.1	2
240	Klassifikation zytologischer Abstriche der Zervix mit neuronalen Verfahren - Neural Classification of Cytological Smears from the Cervix. <i>Biomedizinische Technik</i> , 1999, 44, 17-24.	0.8	0
241	Squinting and stereoscopic vision. <i>Physics Education</i> , 1999, 34, 316-321.	0.5	0
242	A Model for the Emergence of Café-au-Lait Macules. <i>Journal of Investigative Dermatology</i> , 1999, 113, 858-859.	0.7	7
243	Object Classification Using Simple, Colour Based Visual Attention and a Hierarchical Neural Network for Neuro-symbolic Integration. <i>Lecture Notes in Computer Science</i> , 1999, , 267-279.	1.3	4
244	A remark on the high-conductance calcium-activated potassium channel in human endothelial cells. <i>Research in Experimental Medicine</i> , 1998, 198, 133-143.	0.7	22
245	Neural network based analysis of the signal-averaged electrocardiogram. , 0, , .		2
246	Filtering beat-to-beat recordings of the high resolution electrocardiogram. , 0, , .		2
247	Visualization and analysis of signal averaged high resolution electrocardiograms employing cluster analysis and multidimensional scaling. , 0, , .		3
248	Time domain variability of high resolution beat-to-beat recordings classified by neural networks. , 0, , .		6
249	Beat-to-beat variability of QRS duration. , 0, , .		3
250	Discrete wavelet analysis of the signal-averaged high-resolution electrocardiogram. , 0, , .		2
251	De-noising of high-resolution ECG signals by combining the discrete wavelet transform with the Wiener filter. , 0, , .		24
252	Feasibility study of complete neural net based classification of signal-averaged high-resolution ECGs. , 0, , .		0

#	ARTICLE	IF	CITATIONS
253	Concept and initial experience with a mid-term DICOM archiving system acting as an intelligent buffer to clinical requests. , 0, , .		4
254	Object classification with simple visual attention and a hierarchical neural network for subsymbolic-symbolic coupling. , 0, , .		6
255	Evolutionary optimization of a wavelet classifier for the categorization of beat-to-beat variability signals. , 0, , .		1
256	A stepwise approach towards a hospital-wide electronic patient record archiving system. , 0, , .		1
257	Heart-rate dependency of QRS-microvariability during atrial pacing. , 0, , .		0
258	New markers for diastolic function by cardiac magnetic resonance imaging. , 0, , .		1
259	Combined assessment of beat-to-beat micro-variability and signal-averaged ECG parameters. , 0, , .		2
260	3D object recognition for autonomous mobile robots utilizing support vector classifiers. , 0, , .		1
261	Decision fusion of micro-variability and signal averaged ECG parameters from the QRS complex with RBF networks. , 0, , .		0
262	Analysis of support vectors helps to identify borderline patients in classification studies. , 0, , .		7
263	Parameters for characterizing diastolic function with cardiac magnetic resonance imaging. , 0, , .		1
264	Extracting robust features from cardiac magnetic resonance image contours for detecting dilated cardiomyopathy. , 0, , .		1
265	Boosting Ensembles of Weak Classifiers in High Dimensional Input Spaces. , 0, , 311-332.		0
266	Semi-Supervised Clustering in Functional Genomics. , 0, , 243-271.		0
267	Semantic Biomarker Selection for Functional Genomics of Heart Failure Model Organisms. , 0, , .		0