

Hans W Binder

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3469183/publications.pdf>

Version: 2024-02-01

165
papers

9,511
citations

57758

44
h-index

48315

88
g-index

173
all docs

173
docs citations

173
times ranked

16193
citing authors

#	ARTICLE	IF	CITATIONS
1	Pan-cancer analysis of whole genomes. <i>Nature</i> , 2020, 578, 82-93.	27.8	1,966
2	A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. <i>Nature Biotechnology</i> , 2014, 32, 903-914.	17.5	883
3	Multilineage communication regulates human liver bud development from pluripotency. <i>Nature</i> , 2017, 546, 533-538.	27.8	458
4	The effect of metal cations on the phase behavior and hydration characteristics of phospholipid membranes. <i>Chemistry and Physics of Lipids</i> , 2002, 115, 39-61.	3.2	295
5	The LIFE-Adult-Study: objectives and design of a population-based cohort study with 10,000 deeply phenotyped adults in Germany. <i>BMC Public Health</i> , 2015, 15, 691.	2.9	287
6	Molecular classification of diffuse cerebral WHO grade II/III gliomas using genome- and transcriptome-wide profiling improves stratification of prognostically distinct patient groups. <i>Acta Neuropathologica</i> , 2015, 129, 679-693.	7.7	254
7	Combined Proteomic and Metabolomic Profiling of Serum Reveals Association of the Complement System with Obesity and Identifies Novel Markers of Body Fat Mass Changes. <i>Journal of Proteome Research</i> , 2011, 10, 4769-4788.	3.7	201
8	Charge-Dependent Translocation of the Trojan Peptide Penetratin across Lipid Membranes. <i>Biophysical Journal</i> , 2003, 85, 982-995.	0.5	194
9	Assessing technical performance in differential gene expression experiments with external spike-in RNA control ratio mixtures. <i>Nature Communications</i> , 2014, 5, 5125.	12.8	122
10	Effect of Unsaturated Lipid Chains on Dimensions, Molecular Order and Hydration of Membranes. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12378-12390.	2.6	119
11	Molecular characterization of long-term survivors of glioblastoma using genome- and transcriptome-wide profiling. <i>International Journal of Cancer</i> , 2014, 135, 1822-1831.	5.1	117
12	Hydration of polymeric components of cartilage – an infrared spectroscopic study on hyaluronic acid and chondroitin sulfate. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 121-127.	7.5	114
13	oposSOM: R-package for high-dimensional portraying of genome-wide expression landscapes on bioconductor. <i>Bioinformatics</i> , 2015, 31, 3225-3227.	4.1	106
14	Fourier transform infrared spectroscopy as a probe for the study of the hydration of lipid self-assemblies. I. Methodology and general phenomena. <i>Biospectroscopy</i> , 1998, 4, 267-280.	0.6	99
15	Genomic and transcriptomic changes complement each other in the pathogenesis of sporadic Burkitt lymphoma. <i>Nature Communications</i> , 2019, 10, 1459.	12.8	99
16	Expression cartography of human tissues using self organizing maps. <i>BMC Bioinformatics</i> , 2011, 12, 306.	2.6	98
17	RNA-seq analysis identifies different transcriptomic types and developmental trajectories of primary melanomas. <i>Oncogene</i> , 2018, 37, 6136-6151.	5.9	91
18	Interaction of Zn ²⁺ with phospholipid membranes. <i>Biophysical Chemistry</i> , 2001, 90, 57-74.	2.8	87

#	ARTICLE	IF	CITATIONS
19	Mapping heterogeneity in patient-derived melanoma cultures by single-cell RNA-seq. <i>Oncotarget</i> , 2017, 8, 846-862.	1.8	87
20	Water near lipid membranes as seen by infrared spectroscopy. <i>European Biophysics Journal</i> , 2007, 36, 265-279.	2.2	85
21	A keratin scaffold regulates epidermal barrier formation, mitochondrial lipid composition, and activity. <i>Journal of Cell Biology</i> , 2015, 211, 1057-1075.	5.2	85
22	Genome-wide DNA promoter methylation and transcriptome analysis in human adipose tissue unravels novel candidate genes for obesity. <i>Molecular Metabolism</i> , 2017, 6, 86-100.	6.5	84
23	DARIO: a ncRNA detection and analysis tool for next-generation sequencing experiments. <i>Nucleic Acids Research</i> , 2011, 39, W112-W117.	14.5	82
24	Lipid/Detergent Interaction Thermodynamics as a Function of Molecular Shape. <i>Journal of Physical Chemistry B</i> , 1997, 101, 639-645.	2.6	80
25	The Molecular Architecture of Lipid Membranes—New Insights from Hydration-Tuning Infrared Linear Dichroism Spectroscopy. <i>Applied Spectroscopy Reviews</i> , 2003, 38, 15-69.	6.7	80
26	Delimitation of squamous cell cervical carcinoma using infrared microspectroscopic imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 145-154.	3.7	75
27	Membrane Insertion of a Lipidated Ras Peptide Studied by FTIR, Solid-State NMR, and Neutron Diffraction Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 4070-4079.	13.7	74
28	A “Release” Protocol for Isothermal Titration Calorimetry. <i>Biophysical Journal</i> , 1999, 76, 2606-2613.	0.5	73
29	Mining SOM expression portraits: feature selection and integrating concepts of molecular function. <i>BioData Mining</i> , 2012, 5, 18.	4.0	70
30	Genomic and transcriptomic heterogeneity of colorectal tumours arising in Lynch syndrome. <i>Journal of Pathology</i> , 2017, 243, 242-254.	4.5	69
31	A Systems Biology Approach for Defining the Molecular Framework of the Hematopoietic Stem Cell Niche. <i>Cell Stem Cell</i> , 2014, 15, 376-391.	11.1	63
32	DNA methylation, transcriptome and genetic copy number signatures of diffuse cerebral WHO grade II/III gliomas resolve cancer heterogeneity and development. <i>Acta Neuropathologica Communications</i> , 2019, 7, 59.	5.2	62
33	Specific and Nonspecific Hybridization of Oligonucleotide Probes on Microarrays. <i>Biophysical Journal</i> , 2005, 89, 337-352.	0.5	61
34	Autoimmunity and autoinflammation: A systems view on signaling pathway dysregulation profiles. <i>PLoS ONE</i> , 2017, 12, e0187572.	2.5	61
35	Sex differences in oncogenic mutational processes. <i>Nature Communications</i> , 2020, 11, 4330.	12.8	60
36	Hydration-Induced Gel States of the Dienic Lipid 1,2-Bis(2,4-octadecadienoyl)-sn-glycero-3-phosphorylcholine and Their Characterization Using Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6618-6628.	2.6	55

#	ARTICLE	IF	CITATIONS
37	Hydration of the Dienic Lipid Dioctadecadienoylphosphatidylcholine in the Lamellar Phase—An Infrared Linear Dichroism and X-Ray Study on Headgroup Orientation, Water Ordering, and Bilayer Dimensions. <i>Biophysical Journal</i> , 1998, 74, 1908-1923.	0.5	53
38	Surface areas and packing constraints in membranes. A time-resolved fluorescence study. <i>Biophysical Chemistry</i> , 1996, 58, 289-302.	2.8	52
39	The genomic and transcriptional landscape of primary central nervous system lymphoma. <i>Nature Communications</i> , 2022, 13, 2558.	12.8	52
40	A modular transcriptome map of mature B cell lymphomas. <i>Genome Medicine</i> , 2019, 11, 27.	8.2	51
41	Application of isothermal titration calorimetry for detecting lipid membrane solubilization. <i>Chemical Physics Letters</i> , 1995, 235, 517-520.	2.6	50
42	Physico-chemical foundations underpinning microarray and next-generation sequencing experiments. <i>Nucleic Acids Research</i> , 2013, 41, 2779-2796.	14.5	49
43	Sensitivity of Microarray Oligonucleotide Probes: Variability and Effect of Base Composition. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18003-18014.	2.6	46
44	Telomere Length Maintenance and Its Transcriptional Regulation in Lynch Syndrome and Sporadic Colorectal Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 1172.	2.8	46
45	Dehydration Induces Lateral Expansion of Polyunsaturated 18:0—22:6 Phosphatidylcholine in a New Lamellar Phase. <i>Biophysical Journal</i> , 2001, 81, 969-982.	0.5	45
46	Thermodynamics of competitive surface adsorption on DNA microarrays. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S491-S523.	1.8	45
47	Transcriptional regulation by histone modifications: towards a theory of chromatin re-organization during stem cell differentiation. <i>Physical Biology</i> , 2013, 10, 026006.	1.8	45
48	Epigenetic Heterogeneity of B-Cell Lymphoma: DNA Methylation, Gene Expression and Chromatin States. <i>Genes</i> , 2015, 6, 812-840.	2.4	45
49	Footprints of Sepsis Framed Within Community Acquired Pneumonia in the Blood Transcriptome. <i>Frontiers in Immunology</i> , 2018, 9, 1620.	4.8	45
50	Identification of harmless and pathogenic algae of the genus <i>Prototheca</i> by MALDI-MS. <i>Proteomics - Clinical Applications</i> , 2009, 3, 774-784.	1.6	44
51	Portraying the expression landscapes of cancer subtypes. <i>Systems Biomedicine (Austin, Tex)</i> , 2013, 1, 99-121.	0.7	43
52	Novel Anthropometry Based on 3D-Bodyscans Applied to a Large Population Based Cohort. <i>PLoS ONE</i> , 2016, 11, e0159887.	2.5	43
53	Membrane/water partition of oligo(ethylene oxide) dodecyl ethers and its relevance for solubilization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1196, 114-122.	2.6	42
54	Base Pair Interactions and Hybridization Isotherms of Matched and Mismatched Oligonucleotide Probes on Microarrays. <i>Langmuir</i> , 2005, 21, 9287-9302.	3.5	41

#	ARTICLE	IF	CITATIONS
55	Surface area per molecule in lipid/C12E n membranes as seen by fluorescence resonance energy transfer. <i>Journal of Fluorescence</i> , 1994, 4, 339-343.	2.5	40
56	Excess Enthalpies of Mixing in Phospholipid-Additive Membranes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5363-5368.	2.6	40
57	Hydration and Lyotropic Melting of Amphiphilic Molecules: A Thermodynamic Study Using Humidity Titration Calorimetry. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 235-249.	9.4	38
58	A humidity titration calorimetry technique to study the thermodynamics of hydration. <i>Chemical Physics Letters</i> , 1999, 304, 329-335.	2.6	36
59	Time-course human urine proteomics in space-flight simulation experiments. <i>BMC Genomics</i> , 2014, 15, S2.	2.8	35
60	Combined SOM-portrayal of gene expression and DNA methylation landscapes disentangles modes of epigenetic regulation in glioblastoma. <i>Epigenomics</i> , 2018, 10, 745-764.	2.1	34
61	Mutational mechanisms shaping the coding and noncoding genome of germinal center derived B-cell lymphomas. <i>Leukemia</i> , 2021, 35, 2002-2016.	7.2	34
62	Chlorinated Benzenes Cause Concomitantly Oxidative Stress and Induction of Apoptotic Markers in Lung Epithelial Cells (A549) at Nonacute Toxic Concentrations. <i>Journal of Proteome Research</i> , 2011, 10, 363-378.	3.7	32
63	Epigenetic Heterogeneity of B-Cell Lymphoma: Chromatin Modifiers. <i>Genes</i> , 2015, 6, 1076-1112.	2.4	32
64	Structural Aspects of Lyotropic Solvation-Induced Transitions in Phosphatidylcholine and Phosphatidylethanolamine Assemblies Revealed by Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2000, 104, 12039-12048.	2.6	31
65	A Molecular View on the Interaction of the Trojan Peptide Penetratin with the Polar Interface of Lipid Bilayers. <i>Biophysical Journal</i> , 2004, 87, 332-343.	0.5	30
66	MALDI-typing of infectious algae of the genus <i>Prototheca</i> using SOM portraits. <i>Journal of Microbiological Methods</i> , 2012, 88, 83-97.	1.6	30
67	Generation of human induced pluripotent stem cells using non-synthetic mRNA. <i>Stem Cell Research</i> , 2016, 16, 662-672.	0.7	30
68	Teratogenic Rubella Virus Alters the Endodermal Differentiation Capacity of Human Induced Pluripotent Stem Cells. <i>Cells</i> , 2019, 8, 870.	4.1	29
69	Hydration-Induced Deformation of Lipid Aggregates before and after Polymerization. <i>Langmuir</i> , 1999, 15, 4857-4866.	3.5	28
70	"Hook"-calibration of GeneChip-microarrays: Theory and algorithm. <i>Algorithms for Molecular Biology</i> , 2008, 3, 12.	1.2	28
71	Modeling the dynamic epigenome: from histone modifications towards self-organizing chromatin. <i>Epigenomics</i> , 2012, 4, 205-219.	2.1	28
72	Function Shapes Content: DNA-Methylation Marker Genes and their Impact for Molecular Mechanisms of Glioma. <i>Journal of Cancer Research Updates</i> , 2015, 4, .	0.3	28

#	ARTICLE	IF	CITATIONS
73	Limited role for transforming growth factor β pathway activation-mediated escape from VEGF inhibition in murine glioma models. <i>Neuro-Oncology</i> , 2016, 18, 1610-1621.	1.2	27
74	Retrospective evaluation of whole exome and genome mutation calls in 746 cancer samples. <i>Nature Communications</i> , 2020, 11, 4748.	12.8	27
75	The structure and dynamics of water near membrane surfaces. <i>Colloids and Surfaces</i> , 1985, 14, 21-30.	0.9	26
76	Lyotropic Phase Behavior and Gel State Polymorphism of Phospholipids with Terminal Diene Groups:Â Infrared Measurements on Molecular Ordering in Lamellar and Hexagonal Phases. <i>Journal of Physical Chemistry B</i> , 1999, 103, 461-471.	2.6	26
77	On the Cooperation between Epigenetics and Transcription Factor Networks in the Specification of Tissue Stem Cells. <i>Epigenomes</i> , 2018, 2, 20.	1.8	26
78	Transcriptome-Guided Drug Repositioning. <i>Pharmaceutics</i> , 2019, 11, 677.	4.5	26
79	Compound Complex Formation in Phospholipid Membranes Induced by a Nonionic Surfactant of the Oligo(ethylene oxide)â Alkyl Ether Type: A Comparative DSC and FTIR Study. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 124-138.	9.4	25
80	Interactions in Oligonucleotide Hybrid Duplexes on Microarrays. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18015-18025.	2.6	25
81	Covid-19 Transmission Trajectoriesâ Monitoring the Pandemic in the Worldwide Context. <i>Viruses</i> , 2020, 12, 777.	3.3	25
82	The Human Blood Transcriptome in a Large Population Cohort and Its Relation to Aging and Health. <i>Frontiers in Big Data</i> , 2020, 3, 548873.	2.9	24
83	"Hook"-calibration of GeneChip-microarrays: Chip characteristics and expression measures. <i>Algorithms for Molecular Biology</i> , 2008, 3, 11.	1.2	23
84	Population Levels Assessment of the Distribution of Disease-Associated Variants With Emphasis on Armenians â A Machine Learning Approach. <i>Frontiers in Genetics</i> , 2019, 10, 394.	2.3	23
85	Infrared dichroism investigations on the acyl chain ordering in lamellar structures. <i>Vibrational Spectroscopy</i> , 1999, 21, 151-163.	2.2	22
86	Thermodynamic and Kinetic Aspects of Lyotropic Solvation-Induced Transitions in Phosphatidylcholine and Phosphatidylethanolamine Assemblies Revealed by Humidity Titration Calorimetry. <i>Journal of Physical Chemistry B</i> , 2000, 104, 12049-12055.	2.6	21
87	A Global Genome Segmentation Method for Exploration of Epigenetic Patterns. <i>PLoS ONE</i> , 2012, 7, e46811.	2.5	21
88	G-stack modulated probe intensities on expression arrays - sequence corrections and signal calibration. <i>BMC Bioinformatics</i> , 2010, 11, 207.	2.6	20
89	Nimodipine enhances neurite outgrowth in dopaminergic brain slice coâcultures. <i>International Journal of Developmental Neuroscience</i> , 2015, 40, 1-11.	1.6	20
90	Comparative FTIR-spectroscopic studies of the hydration of diphytanoylphosphatidylcholine and -ethanolamine. <i>Journal of Molecular Structure</i> , 2002, 614, 211-220.	3.6	19

#	ARTICLE	IF	CITATIONS
91	The aging human body shape. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 5.	4.5	19
92	Infrared dichroism measurements on the alkyl chain packing of an ionic detergent intercalated between silicate layers. <i>Colloid and Polymer Science</i> , 1998, 276, 1098-1109.	2.1	18
93	Aggregation Behavior of the Antibiotic Moenomycin A in Aqueous Solution. <i>Langmuir</i> , 1998, 14, 4095-4104.	3.5	18
94	Interaction of the Trojan peptide penetratin with anionic lipid membranes—a calorimetric study. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5108-5117.	2.8	18
95	GeneChip microarrays—signal intensities, RNA concentrations and probe sequences. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S537-S566.	1.8	18
96	Gene expression density profiles characterize modes of genomic regulation: Theory and experiment. <i>Journal of Biotechnology</i> , 2010, 149, 98-114.	3.8	18
97	Calibration of Microarray Gene-Expression Data. <i>Methods in Molecular Biology</i> , 2009, 576, 375-407.	0.9	18
98	Dysregulated Signal Propagation in a MYC-associated Boolean Gene Network in B-cell Lymphoma. <i>Biology, Engineering and Medicine</i> , 2017, 2, .	0.1	18
99	Infrared dichroism investigations on the acyl chain ordering in lamellar structures. <i>Vibrational Spectroscopy</i> , 1999, 21, 51-73.	2.2	17
100	Portraying the Expression Landscapes of B-Cell Lymphoma-Intuitive Detection of Outlier Samples and of Molecular Subtypes. <i>Biology</i> , 2013, 2, 1411-1437.	2.8	17
101	pH and Ca ²⁺ dependent interaction of Annexin V with phospholipid membranes: a combined study using fluorescence techniques, microelectrophoresis and infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4615-4623.	2.8	16
102	Physico-chemical modelling of target depletion during hybridization on oligonucleotide microarrays. <i>Physical Biology</i> , 2010, 7, 016004.	1.8	16
103	IRS1 DNA promoter methylation and expression in human adipose tissue are related to fat distribution and metabolic traits. <i>Scientific Reports</i> , 2017, 7, 12369.	3.3	16
104	Pseudotime Dynamics in Melanoma Single-Cell Transcriptomes Reveals Different Mechanisms of Tumor Progression. <i>Biology</i> , 2018, 7, 23.	2.8	16
105	Isomerization and Polymerization of Phospholipids with Terminal Diene Groups in Supported Films. <i>Journal of Physical Chemistry B</i> , 1999, 103, 450-460.	2.6	15
106	Washing scaling of GeneChip microarray expression. <i>BMC Bioinformatics</i> , 2010, 11, 291.	2.6	15
107	Estimating RNA-quality using GeneChip microarrays. <i>BMC Genomics</i> , 2012, 13, 186.	2.8	15
108	How Stemlike Are Sphere Cultures From Long-term Cancer Cell Lines? Lessons From Mouse Glioma Models. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 1062-1077.	1.7	15

#	ARTICLE	IF	CITATIONS
109	Profiling of Genetic Switches using Boolean Implications in Expression Data. <i>Journal of Integrative Bioinformatics</i> , 2014, 11, 30-54.	1.5	15
110	The Evolving Faces of the SARS-CoV-2 Genome. <i>Viruses</i> , 2021, 13, 1764.	3.3	15
111	Gene Set- and Pathway- Centered Knowledge Discovery Assigns Transcriptional Activation Patterns in Brain, Blood, and Colon Cancer. <i>International Journal of Knowledge Discovery in Bioinformatics</i> , 2014, 4, 46-69.	0.8	15
112	Molecular ordering in microconfined liquid crystals: An infrared linear dichroism study. <i>Liquid Crystals</i> , 1996, 21, 415-426.	2.2	14
113	Bistable Epigenetic States Explain Age-Dependent Decline in Mesenchymal Stem Cell Heterogeneity. <i>Stem Cells</i> , 2017, 35, 694-704.	3.2	14
114	Analysis of Large-Scale OMIC Data Using Self Organizing Maps. , 2015, , 1642-1653.		14
115	Transcriptome profile of the sinoatrial ring reveals conserved and novel genetic programs of the zebrafish pacemaker. <i>BMC Genomics</i> , 2021, 22, 715.	2.8	14
116	Behaviour of water at membrane surfaces - a molecular dynamics study. <i>Computational and Theoretical Chemistry</i> , 1985, 123, 155-163.	1.5	13
117	Infrared dichroism investigations on the acyl chain ordering in lamellar structures. <i>Vibrational Spectroscopy</i> , 1999, 21, 75-95.	2.2	13
118	Nonspecific Hybridization Scaling of Microarray Expression Estimates: A Physicochemical Approach for Chip-to-Chip Normalization. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2874-2895.	2.6	13
119	Reprogramming of Human Huntington Fibroblasts Using mRNA. , 2012, 2012, 1-12.		13
120	AffyRNAdegradation: control and correction of RNA quality effects in GeneChip expression data. <i>Bioinformatics</i> , 2013, 29, 129-131.	4.1	13
121	Developmental scRNAseq Trajectories in Gene- and Cell-State Space – The Flatworm Example. <i>Genes</i> , 2020, 11, 1214.	2.4	12
122	Quantum-chemical and empirical calculations on Phospholipids VIII. The electrostatic potential from isolated molecules up to layer systems. <i>Chemistry and Physics of Lipids</i> , 1983, 33, 195-205.	3.2	11
123	oposSOM-Browser: an interactive tool to explore omics data landscapes in health science. <i>BMC Bioinformatics</i> , 2020, 21, 465.	2.6	11
124	Deciphering the Transcriptomic Heterogeneity of Duodenal Coeliac Disease Biopsies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2551.	4.1	11
125	Do host factors determine long-term survival in glioblastoma? A genome/transcriptome profiling study by the German Glioma Network.. <i>Journal of Clinical Oncology</i> , 2014, 32, 2014-2014.	1.6	11
126	Determination of the partition coefficients of the nonionic detergent C12E7 between lipid-detergent mixed membranes and water by means of Laurdan fluorescence spectroscopy. <i>Journal of Fluorescence</i> , 1994, 4, 349-352.	2.5	10

#	ARTICLE	IF	CITATIONS
127	IR and NMR Studies on the Action of Hypochlorous Acid on Chondroitin Sulfate and Taurine. <i>Bioorganic Chemistry</i> , 1998, 26, 33-43.	4.1	10
128	Hydration pressure of a homologous series of nonionic alkyl hydroxyoligo(ethylene oxide) surfactants. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 614.	2.8	10
129	Variation of RNA Quality and Quantity Are Major Sources of Batch Effects in Microarray Expression Data. <i>Microarrays (Basel, Switzerland)</i> , 2014, 3, 322-339.	1.4	10
130	Body typing of children and adolescents using 3D-body scanning. <i>PLoS ONE</i> , 2017, 12, e0186881.	2.5	10
131	Transcriptome Patterns of BRCA1- and BRCA2- Mutated Breast and Ovarian Cancers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1266.	4.1	10
132	Biaxial ordering of terminal diene groups in lipid membranes: an infrared linear dichroism study. <i>Journal of Molecular Structure</i> , 1999, 510, 113-129.	3.6	9
133	Analysis of MicroRNA Expression Using Machine Learning. <i>Methods in Molecular Biology</i> , 2014, 1107, 257-278.	0.9	9
134	Mismatch and G-Stack Modulated Probe Signals on SNP Microarrays. <i>PLoS ONE</i> , 2009, 4, e7862.	2.5	8
135	Personalized Disease Phenotypes from Massive OMICs Data. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2015, , 359-378.	0.4	8
136	Integrated Multi-Omics Maps of Lower-Grade Gliomas. <i>Cancers</i> , 2022, 14, 2797.	3.7	8
137	Lyotropic Phase Behavior and Structure of Mixed Lipid (POPC)â€™Detergent (C12En, n = 2, 4, 6) Assemblies:â€” Insights from Hydration-Tuning Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10991-11001.	2.6	7
138	Histone modifications control DNA methylation profiles during ageing and tumour expansion. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2013, 7, 31-43.	1.1	7
139	SOMmelierâ€™Intuitive Visualization of the Topology of Grapevine Genome Landscapes Using Artificial Neural Networks. <i>Genes</i> , 2020, 11, 817.	2.4	7
140	A Transcriptome-Wide Isoform Landscape of Melanocytic Nevi and Primary Melanomas Identifies Gene Isoforms Associated with Malignancy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7165.	4.1	7
141	MicroRNA Expression Landscapes in Stem Cells, Tissues, and Cancer. <i>Methods in Molecular Biology</i> , 2014, 1107, 279-302.	0.9	6
142	Cartography of Pathway Signal Perturbations Identifies Distinct Molecular Pathomechanisms in Malignant and Chronic Lung Diseases. <i>Frontiers in Genetics</i> , 2016, 7, 79.	2.3	6
143	Longitudinal anthropometry of children and adolescents using 3D-body scanning. <i>PLoS ONE</i> , 2018, 13, e0203628.	2.5	6
144	High-Resolution Cartography of the Transcriptome and Methylome Landscapes of Diffuse Gliomas. <i>Cancers</i> , 2021, 13, 3198.	3.7	6

#	ARTICLE	IF	CITATIONS
145	Profiling of genetic switches using boolean implications in expression data. <i>Journal of Integrative Bioinformatics</i> , 2014, 11, 246.	1.5	6
146	Single-cell trajectories of melanoma cell resistance to targeted treatment. <i>Cancer Biology and Medicine</i> , 2021, 18, 0-0.	3.0	6
147	Classifying Germinal Center Derived Lymphomasâ€”Navigate a Complex Transcriptional Landscape. <i>Cancers</i> , 2022, 14, 3434.	3.7	6
148	Suitability of infrared microspectroscopic imaging for histopathology of the uterine cervix. <i>Histopathology</i> , 2012, 60, 1084-1098.	2.9	5
149	Melanoma Single-Cell Biology in Experimental and Clinical Settings. <i>Journal of Clinical Medicine</i> , 2021, 10, 506.	2.4	5
150	Molecular characterization of Burkitt lymphoma in the breast or ovary. <i>Leukemia and Lymphoma</i> , 2021, 62, 2120-2129.	1.3	5
151	The Transcriptome and Methylome of the Developing and Aging Brain and Their Relations to Gliomas and Psychological Disorders. <i>Cells</i> , 2022, 11, 362.	4.1	4
152	Telomere Maintenance Pathway Activity Analysis Enables Tissue- and Gene-Level Inferences. <i>Frontiers in Genetics</i> , 2021, 12, 662464.	2.3	3
153	Coxsackievirus B3 Infection of Human iPSC Lines and Derived Primary Germ-Layer Cells Regarding Receptor Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1220.	4.1	3
154	Reply to â€”Linking probe thermodynamics to microarray quantificationâ€™. <i>Physical Biology</i> , 2010, 7, 048002.	1.8	2
155	Molecular phenotypic portraits - Exploring the ‘OMES’ with individual resolution. , 2011, , .		2
156	Expression cartography of human tissues using self organizing maps. <i>Nature Precedings</i> , 2011, , .	0.1	2
157	Transcriptional memory emerges from cooperative histone modifications. <i>Nature Precedings</i> , 2011, , .	0.1	1
158	Analysis of the effects of different salt consumption levels on the urine protein composition during a 105-day isolation using the opoSOM program. <i>Human Physiology</i> , 2017, 43, 86-92.	0.4	1
159	Molecular classification of diffuse cerebral gliomas using genome- and transcriptome-wide profiling.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2007-2007.	1.6	1
160	Exploration of Human Ageing by 3D-Laser Scanning Anthropometry. , 0, , .		1
161	Personalized Disease Phenotypes from Massive OMICs Data. , 0, , 441-462.		1
162	Projection of High-Dimensional Genome-Wide Expression on SOM Transcriptome Landscapes. <i>BioMedInformatics</i> , 2022, 2, 62-76.	2.0	1

#	ARTICLE	IF	CITATIONS
163	Special Issue "Disentangling Mechanisms of Genomic Regulation of Cell Functions at the Gene Level", Genes, 2020, 11, 1463.	2.4	0
164	Personalized Disease Phenotypes from Massive OMICs Data. , 2016, , 2316-2337.		0
165	Abstract B88: TGF- β 2 pathway-mediated escape from VEGF blockade is linked with angiogenesis and immune-suppression in murine glioma models. , 2017, , .		0