Mario Medvedovic

List of Publications by Year in descending order

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66343 76900 6,529 123 42 74 citations h-index g-index papers 132 132 132 10858 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	ALOHA: Aggregated local extrema splines for high-throughput dose–response analysis. Computational Toxicology, 2022, 21, 100196.	3.3	O
2	Phase II Clinical Trial of Neoadjuvant and Adjuvant Pembrolizumab in Resectable Local–Regionally Advanced Head and Neck Squamous Cell Carcinoma. Clinical Cancer Research, 2022, 28, 1345-1352.	7.0	38
3	SigCom LINCS: data and metadata search engine for a million gene expression signatures. Nucleic Acids Research, 2022, 50, W697-W709.	14.5	26
4	Melanoma Cell Intrinsic GABAA Receptor Enhancement Potentiates Radiation and Immune Checkpoint Inhibitor Response by Promoting Direct and T Cell-Mediated Antitumor Activity. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1040-1053.	0.8	18
5	Monocyte and bone marrow macrophage transcriptional phenotypes in systemic juvenile idiopathic arthritis reveal TRIM8 as a mediator of IFN- \hat{I}^3 hyper-responsiveness and risk for macrophage activation syndrome. Annals of the Rheumatic Diseases, 2021, 80, 617-625.	0.9	31
6	Hexavalent chromium promotes differential binding of CTCF to its cognate sites in Euchromatin. Epigenetics, 2021 , 16 , $1-16$.	2.7	3
7	Connectivity Map Analysis of a Single-Cell RNA-Sequencing -Derived Transcriptional Signature of mTOR Signaling. International Journal of Molecular Sciences, 2021, 22, 4371.	4.1	8
8	Tobacco smoking induces metabolic reprogramming of renal cell carcinoma. Journal of Clinical Investigation, 2021, 131, .	8.2	14
9	LINCS Data Portal 2.0: next generation access point for perturbation-response signatures. Nucleic Acids Research, 2020, 48, D431-D439.	14.5	112
10	Dioxin Disrupts Dynamic DNA Methylation Patterns in Genes That Govern Cardiomyocyte Maturation. Toxicological Sciences, 2020, 178, 325-337.	3.1	7
11	Predicting mechanism of action of cellular perturbations with pathway activity signatures. Bioinformatics, 2020, 36, 4781-4788.	4.1	6
12	Low-Dose Bisphenol A in a Rat Model of Endometrial Cancer: A CLARITY-BPA Study. Environmental Health Perspectives, 2020, 128, 127005.	6.0	15
13	piNET: a versatile web platform for downstream analysis and visualization of proteomics data. Nucleic Acids Research, 2020, 48, W85-W93.	14.5	18
14	Mass spectrometry proteomics reveals a function for mammalian CALCOCO1 in MTOR-regulated selective autophagy. Autophagy, 2020, 16, 2219-2237.	9.1	37
15	Comparability of the small RNA secretome across human biofluids concomitantly collected from healthy adults. PLoS ONE, 2020, 15, e0229976.	2.5	11
16	Interferon-complement loop in transplant-associated thrombotic microangiopathy. Blood Advances, 2020, 4, 1166-1177.	5.2	41
17	Comprehensive mapping of the methylation landscape of 16 CpG-dense regions in oral and pharyngeal squamous cell carcinoma. Epigenomics, 2019, 11, 987-1002.	2.1	3
18	GREIN: An Interactive Web Platform for Re-analyzing GEO RNA-seq Data. Scientific Reports, 2019, 9, 7580.	3.3	126

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19	ChIAPoP: a new tool for ChIA-PET data analysis. Nucleic Acids Research, 2019, 47, e37-e37.	14.5	9
20	Balancing yield, purity and practicality: a modified differential ultracentrifugation protocol for efficient isolation of small extracellular vesicles from human serum. RNA Biology, 2019, 16, 5-12.	3.1	52
21	An Organoid-Based Preclinical Model of Human Gastric Cancer. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 161-184.	4.5	97
22	The N ⁶ -Methyladenosine mRNA Methylase METTL3 Controls Cardiac Homeostasis and Hypertrophy. Circulation, 2019, 139, 533-545.	1.6	279
23	MicroRNA networks associated with active systemic juvenile idiopathic arthritis regulate CD163 expression and anti-inflammatory functions in macrophages through two distinct mechanisms. Journal of Leukocyte Biology, 2018, 103, 71-85.	3.3	19
24	Differential expression and prognostic value of long nonâ€coding RNA in HPVâ€negative head and neck squamous cell carcinoma. Head and Neck, 2018, 40, 1555-1564.	2.0	28
25	Loss of microRNA-128 promotes cardiomyocyte proliferation and heart regeneration. Nature Communications, 2018, 9, 700.	12.8	124
26	The Library of Integrated Network-Based Cellular Signatures NIH Program: System-Level Cataloging of Human Cells Response to Perturbations. Cell Systems, 2018, 6, 13-24.	6.2	327
27	Ultra-Deep Genomic Sequencing of HCV NS5A Resistance-Associated Substitutions in HCV/HIV Coinfected Patients. Digestive Diseases and Sciences, 2018, 63, 645-652.	2.3	1
28	Identification of sex-specific DNA methylation changes driven by specific chemicals in cord blood in a Faroese birth cohort. Epigenetics, 2018, 13, 290-300.	2.7	62
29	Chromium disrupts chromatin organization and CTCF access to its cognate sites in promoters of differentially expressed genes. Epigenetics, 2018, 13, 363-375.	2.7	21
30	Sustainable data and metadata management at the BD2K-LINCS Data Coordination and Integration Center. Scientific Data, 2018, 5, 180117.	5.3	22
31	Data Portal for the Library of Integrated Network-based Cellular Signatures (LINCS) program: integrated access to diverse large-scale cellular perturbation response data. Nucleic Acids Research, 2018, 46, D558-D566.	14.5	143
32	Interleukin-22 levels are increased in gastrointestinal graft-versus-host disease in children. Haematologica, 2018, 103, e480-e482.	3.5	7
33	NBCe1 Na ⁺ -HCO3 ⁻ cotransporter ablation causes reduced apoptosis following cardiac ischemia-reperfusion injury <i>in vivo</i> . World Journal of Cardiology, 2018, 10, 97-109.	1.5	15
34	CD44 variant isoform 9 emerges in response to injury and contributes to the regeneration of the gastric epithelium. Journal of Pathology, 2017, 242, 463-475.	4.5	41
35	Genetic susceptibility to toxicologic lung responses among inbred mouse strains following exposure to carbon nanotubes and profiling of underlying gene networks. Toxicology and Applied Pharmacology, 2017, 327, 59-70.	2.8	8
36	RNA SEQ Analysis Indicates that the AE3 Clâ^'/HCO3 â^' Exchanger Contributes to Active Transport-Mediated CO2 Disposal in Heart. Scientific Reports, 2017, 7, 7264.	3.3	5

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37	Rhinovirus infection results in stronger and more persistent genomic dysregulation: Evidence for altered innate immune response in asthmatics at baseline, early in infection, and during convalescence. PLoS ONE, 2017, 12, e0178096.	2.5	21
38	GRcalculator: an online tool for calculating and mining dose–response data. BMC Cancer, 2017, 17, 698.	2.6	64
39	Comprehensive microRNA-sequencing of exosomes derived from head and neck carcinoma cells <i>in vitro</i> ireveals common secretion profiles and potential utility as salivary biomarkers. Oncotarget, 2017, 8, 82459-82474.	1.8	80
40	Reprogramming of the Epigenome by MLL1 Links Early-Life Environmental Exposures to Prostate Cancer Risk. Molecular Endocrinology, 2016, 30, 856-871.	3.7	68
41	In utero exposure of rats to high-fat diets perturbs gene expression profiles and cancer susceptibility of prepubertal mammary glands. Journal of Nutritional Biochemistry, 2016, 29, 73-82.	4.2	26
42	Bisphenol A Disrupts HNF4 \hat{l} ±-Regulated Gene Networks Linking to Prostate Preneoplasia and Immune Disruption in Noble Rats. Endocrinology, 2016, 157, 207-219.	2.8	22
43	The genetic fingerprint of susceptibility for transplant-associated thrombotic microangiopathy. Blood, 2016, 127, 989-996.	1.4	152
44	DNA methylome changes by estradiol benzoate and bisphenol A links early-life environmental exposures to prostate cancer risk. Epigenetics, 2016, 11, 674-689.	2.7	59
45	The Development of Spasmolytic Polypeptide/TFF2-Expressing Metaplasia (SPEM) During Gastric Repair Is Absent in the Aged Stomach. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 605-624.	4.5	79
46	Model reduction and parameter estimation of nonâ€linear dynamical biochemical reaction networks. IET Systems Biology, 2016, 10, 10-16.	1.5	12
47	Loss of \hat{l}^e B kinase \hat{l}^2 promotes myofibroblast transformation and senescence through activation of the ROS-TGF \hat{l}^2 autocrine loop. Protein and Cell, 2016, 7, 338-350.	11.0	10
48	Ah Receptor Activation by Dioxin Disrupts Activin, BMP, and WNT Signals During the Early Differentiation of Mouse Embryonic Stem Cells and Inhibits Cardiomyocyte Functions. Toxicological Sciences, 2016, 149, 346-357.	3.1	54
49	IL-31-Driven Skin Remodeling Involves Epidermal Cell Proliferation and Thickening That Lead to Impaired Skin-Barrier Function. PLoS ONE, 2016, 11, e0161877.	2.5	59
50	Disruption of Ah Receptor Signaling during Mouse Development Leads to Abnormal Cardiac Structure and Function in the Adult. PLoS ONE, 2015, 10, e0142440.	2.5	42
51	Ah Receptor Signaling Controls the Expression of Cardiac Development and Homeostasis Genes. Toxicological Sciences, 2015, 147, 425-435.	3.1	38
52	Sex- and tissue-specific methylome changes in brains of mice perinatally exposed to lead. NeuroToxicology, 2015, 46, 92-100.	3.0	52
53	Identification of Secretaglobin <i>Scgb2a1</i> as a target for developmental reprogramming by BPA in the rat prostate. Epigenetics, 2015, 10, 127-134.	2.7	53
54	Exposure of Human Prostaspheres to Bisphenol A Epigenetically Regulates SNORD Family Noncoding RNAs via Histone Modification. Endocrinology, 2015, 156, 3984-3995.	2.8	45

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55	Fibrocytes Regulate Wilms Tumor 1–Positive Cell Accumulation in Severe Fibrotic Lung Disease. Journal of Immunology, 2015, 195, 3978-3991.	0.8	29
56	SERPINB3/B4 Contributes to Early Inflammation and Barrier Dysfunction in an Experimental Murine Model of Atopic Dermatitis. Journal of Investigative Dermatology, 2015, 135, 160-169.	0.7	61
57	Expression of Signaling Components in Embryonic Eyelid Epithelium. PLoS ONE, 2014, 9, e87038.	2.5	5
58	Formaldehyde-Assisted Isolation of Regulatory Elements (FAIRE) Analysis Uncovers Broad Changes in Chromatin Structure Resulting from Hexavalent Chromium Exposure. PLoS ONE, 2014, 9, e97849.	2.5	9
59	Stratified randomization controls better for batch effects in 450K methylation analysis: a cautionary tale. Frontiers in Genetics, 2014, 5, 354.	2.3	43
60	SPDEF Inhibits Prostate Carcinogenesis by Disrupting a Positive Feedback Loop in Regulation of the Foxm1 Oncogene. PLoS Genetics, 2014, 10, e1004656.	3.5	75
61	Targeting GPR30 with G-1: a new therapeutic target for castration-resistant prostate cancer. Endocrine-Related Cancer, 2014, 21, 903-914.	3.1	45
62	Long-term exposure to low-concentrations of Cr(VI) induce DNA damage and disrupt the transcriptional response to benzo[a]pyrene. Toxicology, 2014, 316, 14-24.	4.2	31
63	Overexpression of Dimethylarginine Dimethylaminohydrolase 1 Attenuates Airway Inflammation in a Mouse Model of Asthma. PLoS ONE, 2014, 9, e85148.	2.5	21
64	Dual Targeting of MEK and PI3K Pathways Attenuates Established and Progressive Pulmonary Fibrosis. PLoS ONE, 2014, 9, e86536.	2.5	24
65	Deciphering gene expression program of MAP3K1 in mouse eyelid morphogenesis. Developmental Biology, 2013, 374, 96-107.	2.0	13
66	Control of Nutrient Stress-Induced Metabolic Reprogramming by PKCζ in Tumorigenesis. Cell, 2013, 152, 599-611.	28.9	160
67	Genome-Wide Signatures of Transcription Factor Activity: Connecting Transcription Factors, Disease, and Small Molecules. PLoS Computational Biology, 2013, 9, e1003198.	3.2	30
68	Disruption of Aryl Hydrocarbon Receptor Homeostatic Levels during Embryonic Stem Cell Differentiation Alters Expression of Homeobox Transcription Factors that Control Cardiomyogenesis. Environmental Health Perspectives, 2013, 121, 1334-1343.	6.0	45
69	Expressomal approach for comprehensive analysis and visualization of ligand sensitivities of xenoestrogen responsive genes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16508-16513.	7.1	29
70	c-Myc phosphorylation by PKCζ represses prostate tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6418-6423.	7.1	49
71	Folliculin Contributes to VHL Tumor Suppressing Activity in Renal Cancer through Regulation of Autophagy. PLoS ONE, 2013, 8, e70030.	2.5	23
72	Integrative Assessment of Chlorine-Induced Acute Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 234-244.	2.9	28

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73	Rapid and Weight-Independent Improvement of Glucose Tolerance Induced by a Peptide Designed to Elicit Apoptosis in Adipose Tissue Endothelium. Diabetes, 2012, 61, 2299-2310.	0.6	20
74	Loss of the miR-144/451 cluster impairs ischaemic preconditioning-mediated cardioprotection by targeting Rac-1. Cardiovascular Research, 2012, 94, 379-390.	3.8	124
75	Identification of a NF- \hat{l}^{μ} B cardioprotective gene program: NF- \hat{l}^{μ} B regulation of Hsp70.1 contributes to cardioprotection after permanent coronary occlusion. Journal of Molecular and Cellular Cardiology, 2011, 51, 82-89.	1.9	32
76	WebGimm: An integrated web-based platform for cluster analysis, functional analysis, and interactive visualization of results. Source Code for Biology and Medicine, $2011, 6, 3$.	1.7	6
77	Generalized random set framework for functional enrichment analysis using primary genomics datasets. Bioinformatics, 2011, 27, 70-77.	4.1	18
78	Haplotype Association Mapping of Acute Lung Injury in Mice Implicates Activin A Receptor, Type 1. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1499-1509.	5.6	38
79	Identification of maternally regulated fetal gene networks in the placenta with a novel embryo transfer system in mice. Physiological Genomics, 2011, 43, 317-324.	2.3	3
80	Epigenetic Changes with Dietary Soy in Cynomolgus Monkeys. PLoS ONE, 2011, 6, e26791.	2.5	48
81	A semi-parametric Bayesian model for unsupervised differential co-expression analysis. BMC Bioinformatics, 2010, 11, 234.	2.6	35
82	Genomics Portals: integrative web-platform for mining genomics data. BMC Genomics, 2010, 11, 27.	2.8	13
83	Genomewide Association Analysis of Respiratory Syncytial Virus Infection in Mice. Journal of Virology, 2010, 84, 2257-2269.	3.4	15
84	MicroRNA-494 Targeting Both Proapoptotic and Antiapoptotic Proteins Protects Against Ischemia/Reperfusion-Induced Cardiac Injury. Circulation, 2010, 122, 1308-1318.	1.6	296
85	Research Resource: Estrogen-Driven Prolactin-Mediated Gene-Expression Networks in Hormone-Induced Prostatic Intraepithelial Neoplasia. Molecular Endocrinology, 2010, 24, 2207-2217.	3.7	14
86	NF-κB driven cardioprotective gene programs; Hsp70.3 and cardioprotection after late ischemic preconditioning. Journal of Molecular and Cellular Cardiology, 2010, 49, 664-672.	1.9	41
87	Surfactant-Associated Protein B Is Critical to Survival in Nickel-Induced Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 226-236.	2.9	20
88	Deletion Hotspots in AMACR Promoter CpG Island Are cis-Regulatory Elements Controlling the Gene Expression in the Colon. PLoS Genetics, 2009, 5, e1000334.	3.5	30
89	LRpath: a logistic regression approach for identifying enriched biological groups in gene expression data. Bioinformatics, 2009, 25, 211-217.	4.1	163
90	CLEAN: CLustering Enrichment ANalysis. BMC Bioinformatics, 2009, 10, 234.	2.6	65

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91	Gene position within chromosome territories correlates with their involvement in distinct rearrangement types in thyroid cancer cells. Genes Chromosomes and Cancer, 2009, 48, 222-228.	2.8	28
92	Gene expression profiling of blood to predict the onset of leukemia. Blood Cells, Molecules, and Diseases, 2009, 42, 64-70.	1.4	2
93	Genomewide Analysis of Aryl Hydrocarbon Receptor Binding Targets Reveals an Extensive Array of Gene Clusters that Control Morphogenetic and Developmental Programs. Environmental Health Perspectives, 2009, 117, 1139-1146.	6.0	90
94	Gene Expression Profiling Identifies Lobe-Specific and Common Disruptions of Multiple Gene Networks in Testosterone-Supported, 17Î ² -Estradiol- or Diethylstilbestrol-Induced Prostate Dysplasia in Noble Rats. Neoplasia, 2008, 10, 20-IN18.	5.3	13
95	Nonredundant Functions of $\hat{l}\pm\hat{l}^2$ and $\hat{l}^3\hat{l}$ T Cells in Acrolein-Induced Pulmonary Pathology. Toxicological Sciences, 2008, 105, 188-199.	3.1	11
96	Transcriptome Analyses in Normal Prostate Epithelial Cells Exposed to Low-Dose Cadmium: Oncogenic and Immunomodulations Involving the Action of Tumor Necrosis Factor. Environmental Health Perspectives, 2008, 116, 769-776.	6.0	48
97	Candidate genes controlling pulmonary function in mice: transcript profiling and predicted protein structure. Physiological Genomics, 2007, 31, 410-421.	2.3	45
98	Regeneration of the adult thymus is preceded by the expansion of K5+K8+ epithelial cell progenitors and by increased expression of Trp63, cMyc and Tcf3 transcription factors in the thymic stroma. International Immunology, 2007, 19, 1249-1260.	4.0	38
99	Genomic Profile of Matrix and Vasculature Remodeling in TGF-α–Induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 309-321.	2.9	60
100	A new method to remove hybridization bias for interspecies comparison of global gene expression profiles uncovers an association between mRNA sequence divergence and differential gene expression in Xenopus. Nucleic Acids Research, 2006, 34, 185-200.	14.5	37
101	The Role of Metallothionein in the Pathogenesis of Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 73-82.	2.9	46
102	Conditional Activation of RET/PTC3 and BRAFV600E in Thyroid Cells Is Associated with Gene Expression Profiles that Predict a Preferential Role of BRAF in Extracellular Matrix Remodeling. Cancer Research, 2006, 66, 6521-6529.	0.9	129
103	Context-specific infinite mixtures for clustering gene expression profiles across diverse microarray dataset. Bioinformatics, 2006, 22, 1737-1744.	4.1	29
104	Gene expression and discovery during lens regeneration in mouse: regulation of epithelial to mesenchymal transition and lens differentiation. Molecular Vision, 2006, 12, 422-40.	1.1	32
105	Modeling variation in tumors in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2408-2413.	7.1	10
106	Gene Expression Changes during the Development of Acute Lung Injury Role of Transforming Growth Factor \hat{I}^2 . American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1399-1411.	5.6	71
107	Microarray results improve significantly as hybridization approaches equilibrium. BioTechniques, 2004, 36, 790-796.	1.8	76
108	Neural system-enriched gene expression: relationship to biological pathways and neurological diseases. Physiological Genomics, 2004, 18, 167-183.	2.3	15

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109	Expression of genes in the TGF- \hat{l}^2 signaling pathway is significantly deregulated in smooth muscle cells from aorta of aryl hydrocarbon receptor knockout mice. Toxicology and Applied Pharmacology, 2004, 194, 79-89.	2.8	93
110	Different Global Gene Expression Profiles in Benzo[<i>a</i>]Pyrene- and Dioxin-Treated Vascular Smooth Muscle Cells of AHR-Knockout and Wild-Type Mice. Cardiovascular Toxicology, 2004, 4, 47-74.	2.7	49
111	Gene Expression Profiles of Mouse Aorta and Cultured Vascular Smooth Muscle Cells Differ Widely, Yet Show Common Responses to Dioxin Exposure. Cardiovascular Toxicology, 2004, 4, 385-404.	2.7	21
112	Critical regulation of genes for tumor cell migration by AP-1. Clinical and Experimental Metastasis, 2004, 21, 293-304.	3.3	42
113	4-Aminobiphenyl-Induced Liver and Urinary Bladder DNA Adduct Formation in Cyp1a2(-/-) and Cyp1a2(+/+) Mice. Journal of the National Cancer Institute, 2003, 95, 1227-1237.	6.3	61
114	Isozyme-Specific Abnormalities of PKC in Thyroid Cancer: Evidence for Post-Transcriptional Changes in PKC Epsilon. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 2150-2159.	3.6	37
115	Bayesian infinite mixture model based clustering of gene expression profiles. Bioinformatics, 2002, 18, 1194-1206.	4.1	248
116	Expression of ATM in ataxia telangiectasia fibroblasts rescues defects in DNA double-strand break repair in nuclear extracts. Environmental and Molecular Mutagenesis, 2001, 37, 128-140.	2.2	19
117	XPA protein alters the specificity of ultraviolet light-induced mutagenesis in vitro. Environmental and Molecular Mutagenesis, 2001, 37, 329-339.	2.2	5
118	Clustering mutational spectra via classification likelihood and markov chain monte carlo algorithms. Journal of Agricultural, Biological, and Environmental Statistics, 2001, 6, 19-37.	1.4	5
119	The transcriptional signature of dioxin in human hepatoma HepG2 cells. Biochemical Pharmacology, 2000, 60, 1129-1142.	4.4	212
120	Proximity of Chromosomal Loci That Participate in Radiation-Induced Rearrangements in Human Cells. Science, 2000, 290, 138-141.	12.6	450
121	What Is the Potential Measurement Error in Occupational Exposure Studies?. Journal of the Air and Waste Management Association, 2000, 50, 941-947.	1.9	3
122	Mutational specificity in a shuttle vector replicating in chromium(VI)-treated mammalian cells., 1999, 33, 313-319.		26
123	Longitudinal Estimates of Pulmonary Function in Refractory Ceramic Fiber Manufacturing Workers. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1226-1233.	5 . 6	23