

Adil Mardinoglu

List of Publications by Year in descending order

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Version: 2024-02-01

163
papers

28,292
citations

36303

51
h-index

6996

154
g-index

186
all docs

186
docs citations

186
times ranked

49675
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative study of diet-induced mouse models of NAFLD identifies PPAR α as a sexually dimorphic drug target. <i>Gut</i> , 2022, 71, 807-821.	12.1	26
2	Improvement of the performance of anticancer peptides using a drug repositioning pipeline. <i>Biotechnology Journal</i> , 2022, 17, e2100417.	3.5	1
3	Recent Progress and Future Direction for the Application of Multiomics Data in Clinical Liver Transplantation. <i>Journal of Clinical and Translational Hepatology</i> , 2022, 10, 363-373.	1.4	7
4	Genome-wide annotation of protein-coding genes in pig. <i>BMC Biology</i> , 2022, 20, 25.	3.8	14
5	Multiomics Analysis Reveals the Impact of Microbiota on Host Metabolism in Hepatic Steatosis. <i>Advanced Science</i> , 2022, 9, e2104373.	11.2	23
6	Stratification of the Gut Microbiota Composition Landscape across the Alzheimer's Disease Continuum in a Turkish Cohort. <i>MSystems</i> , 2022, 7, e0000422.	3.8	20
7	A Gene Co-Expression Network-Based Drug Repositioning Approach Identifies Candidates for Treatment of Hepatocellular Carcinoma. <i>Cancers</i> , 2022, 14, 1573.	3.7	8
8	Anthraquinone derivatives as ADP-competitive inhibitors of liver pyruvate kinase. <i>European Journal of Medicinal Chemistry</i> , 2022, 234, 114270.	5.5	8
9	Prediction of drug candidates for clear cell renal cell carcinoma using a systems biology-based drug repositioning approach. <i>EBioMedicine</i> , 2022, 78, 103963.	6.1	11
10	Therapeutic Potential of Ferulic Acid in Alzheimer's Disease. <i>Current Drug Delivery</i> , 2022, 19, 860-873.	1.6	17
11	Molecular Genetics and Cytotoxic Responses to Titanium Dioxide and Zinc Borate Nanoparticles on Cultured Human Primary Alveolar Epithelial Cells. <i>Materials</i> , 2022, 15, 2359.	2.9	3
12	Machine Learning Analysis Reveals Biomarkers for the Detection of Neurological Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	2.9	3
13	Genome-scale metabolic modelling of the human gut microbiome reveals changes in the glyoxylate and dicarboxylate metabolism in metabolic disorders. <i>iScience</i> , 2022, 25, 104513.	4.1	15
14	Addressing the heterogeneity in liver diseases using biological networks. <i>Briefings in Bioinformatics</i> , 2021, 22, 1751-1766.	6.5	9
15	Systems biology based drug repositioning for development of cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 68, 47-58.	9.6	54
16	Glycyl-L-Prolyl-L-Glutamate Pseudotriptides for Treatment of Alzheimer's Disease. <i>Biomolecules</i> , 2021, 11, 126.	4.0	8
17	Boron-based hybrids as novel scaffolds for the development of drugs with neuroprotective properties. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1944-1949.	3.9	9
18	Discovery of Functional Alternatively Spliced PKM Transcripts in Human Cancers. <i>Cancers</i> , 2021, 13, 348.	3.7	8

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19	Acute kidney injury leading to CKD is associated with a persistence of metabolic dysfunction and hypertriglyceridemia. <i>IScience</i> , 2021, 24, 102046.	4.1	22
20	Targeted Gene Candidates for Treatment and Early Diagnosis of Age-Related Macular Degeneration. <i>BioMed Research International</i> , 2021, 2021, 1-7.	1.9	2
21	Spatiotemporal dissection of the cell cycle with single-cell proteogenomics. <i>Nature</i> , 2021, 590, 649-654.	27.8	104
22	Seroprevalence of coronavirus disease 2019 (COVID-19) among health care workers from three pandemic hospitals of Turkey. <i>PLoS ONE</i> , 2021, 16, e0247865.	2.5	28
23	Systematic analysis of gut microbiome reveals the role of bacterial folate and homocysteine metabolism in Parkinson's disease. <i>Cell Reports</i> , 2021, 34, 108807.	6.4	77
24	Multi-omics approaches for revealing the complexity of cardiovascular disease. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	40
25	Revealing the Metabolic Alterations during Biofilm Development of <i>Burkholderia cenocepacia</i> Based on Genome-Scale Metabolic Modeling. <i>Metabolites</i> , 2021, 11, 221.	2.9	5
26	iNetModels 2.0: an interactive visualization and database of multi-omics data. <i>Nucleic Acids Research</i> , 2021, 49, W271-W276.	14.5	25
27	Molecular pathways behind acquired obesity: Adipose tissue and skeletal muscle multiomics in monozygotic twin pairs discordant for BMI. <i>Cell Reports Medicine</i> , 2021, 2, 100226.	6.5	31
28	Potential Anticancer Effect of Carvacrol Codrugs on Human Glioblastoma Cells. <i>Current Drug Delivery</i> , 2021, 18, 350-356.	1.6	7
29	Informing Pharmacokinetic Models With Physiological Data: Oral Population Modeling of L-Serine in Humans. <i>Frontiers in Pharmacology</i> , 2021, 12, 643179.	3.5	3
30	Integrative transcriptomic analysis of tissue-specific metabolic crosstalk after myocardial infarction. <i>ELife</i> , 2021, 10, .	6.0	20
31	Editorial: Application of Systems Biology in Molecular Characterization and Diagnosis of Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 668146.	3.5	1
32	Lysine demethylase LSD1 delivered via small extracellular vesicles promotes gastric cancer cell stemness. <i>EMBO Reports</i> , 2021, 22, e50922.	4.5	20
33	Combined Metabolic Activators Accelerates Recovery in Mild to Moderate COVID-19. <i>Advanced Science</i> , 2021, 8, e2110222.	11.2	49
34	A single-cell type transcriptomics map of human tissues. <i>Science Advances</i> , 2021, 7, .	10.3	632
35	Stratification of patients with clear cell renal cell carcinoma to facilitate drug repositioning. <i>IScience</i> , 2021, 24, 102722.	4.1	8
36	Systems Analysis Reveals Ageing-Related Perturbations in Retinoids and Sex Hormones in Alzheimer's and Parkinson's Diseases. <i>Biomedicine</i> , 2021, 9, 1310.	3.2	8

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37	Promising potential of boron compounds against Glioblastoma: In Vitro antioxidant, anti-inflammatory and anticancer studies. <i>Neurochemistry International</i> , 2021, 149, 105137.	3.8	30
38	Safety and Efficacy Assessments to Take Antioxidants in Glioblastoma Therapy: From In Vitro Experiences to Animal and Clinical Studies. <i>Neurochemistry International</i> , 2021, 150, 105168.	3.8	5
39	A Novel Mutation of ATP7B Gene in a Case of Wilson Disease. <i>Medicina (Lithuania)</i> , 2021, 57, 123.	2.0	0
40	Anticancer effects of novel NSAIDs derivatives on cultured human glioblastoma cells. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2021, 76, 329-335.	1.4	4
41	Combined Metabolic Activators Decrease Liver Steatosis by Activating Mitochondrial Metabolism in Hamsters Fed with a High-Fat Diet. <i>Biomedicines</i> , 2021, 9, 1440.	3.2	8
42	Combined metabolic activators therapy ameliorates liver fat in nonalcoholic fatty liver disease patients. <i>Molecular Systems Biology</i> , 2021, 17, e10459.	7.2	22
43	The Assessment of Selected miRNA Profile in Familial Mediterranean Fever. <i>BioMed Research International</i> , 2021, 2021, 1-8.	1.9	2
44	A network-based approach reveals the dysregulated transcriptional regulation in non-alcoholic fatty liver disease. <i>IScience</i> , 2021, 24, 103222.	4.1	14
45	Revealing the Molecular Mechanisms of Alzheimer's Disease Based on Network Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11556.	4.1	10
46	In vitro transcriptome response to propolis in differentiated SH-SY5Y neurons. <i>Journal of Food Biochemistry</i> , 2021, 45, e13990.	2.9	2
47	Next generation plasma proteome profiling of COVID-19 patients with mild to moderate symptoms. <i>EBioMedicine</i> , 2021, 74, 103723.	6.1	26
48	Systems Biology Approaches to Decipher the Underlying Molecular Mechanisms of Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13213.	4.1	3
49	Novel anti-Alzheimer phenol-lipoyl hybrids: Synthesis, physico-chemical characterization, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111880.	5.5	16
50	Applications of Genome-Wide Screening and Systems Biology Approaches in Drug Repositioning. <i>Cancers</i> , 2020, 12, 2694.	3.7	14
51	Skeletal Muscle Transcriptomic Comparison between Long-Term Trained and Untrained Men and Women. <i>Cell Reports</i> , 2020, 31, 107808.	6.4	39
52	Systems Biology Approaches to Understand the Host-Microbiome Interactions in Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2020, 14, 716.	2.8	39
53	Drug Repositioning for P-Glycoprotein Mediated Co-Expression Networks in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 1273.	2.8	15
54	Safety Assessments of Nickel Boride Nanoparticles on the Human Pulmonary Alveolar Cells by Using Cell Viability and Gene Expression Analyses. <i>Biological Trace Element Research</i> , 2020, 199, 2602-2611.	3.5	8

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55	Integration of molecular profiles in a longitudinal wellness profiling cohort. <i>Nature Communications</i> , 2020, 11, 4487.	12.8	66
56	Histidyl-Proline Diketopiperazine Isomers as Multipotent Anti-Alzheimer Drug Candidates. <i>Biomolecules</i> , 2020, 10, 737.	4.0	23
57	Nonpharmacological treatment options for Alzheimer's disease: from animal testing to clinical studies. <i>Turkish Journal of Zoology</i> , 2020, 44, 81-89.	0.9	5
58	Current Status of COVID-19 Therapies and Drug Repositioning Applications. <i>IScience</i> , 2020, 23, 101303.	4.1	77
59	Adipose tissue morphology, imaging and metabolomics predicting cardiometabolic risk and family history of type 2 diabetes in non-obese men. <i>Scientific Reports</i> , 2020, 10, 9973.	3.3	19
60	An atlas of the protein-coding genes in the human, pig, and mouse brain. <i>Science</i> , 2020, 367, .	12.6	517
61	Neuroprotective effects of boron nitride nanoparticles in the experimental Parkinson's disease model against MPP+ induced apoptosis. <i>Metabolic Brain Disease</i> , 2020, 35, 947-957.	2.9	28
62	An atlas of human metabolism. <i>Science Signaling</i> , 2020, 13, .	3.6	223
63	Genome-Scale Metabolic Modeling of Glioblastoma Reveals Promising Targets for Drug Development. <i>Frontiers in Genetics</i> , 2020, 11, 381.	2.3	22
64	Classification of clear cell renal cell carcinoma based on PKM alternative splicing. <i>Heliyon</i> , 2020, 6, e03440.	3.2	9
65	MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , 2020, 38, 272-276.	17.5	314
66	Boosting Natural Killer Cell-Mediated Targeting of Sarcoma Through DNAM-1 and NKG2D. <i>Frontiers in Immunology</i> , 2020, 11, 40.	4.8	40
67	The acute effect of metabolic cofactor supplementation: a potential therapeutic strategy against non-alcoholic fatty liver disease. <i>Molecular Systems Biology</i> , 2020, 16, e9495.	7.2	39
68	Improvement in the Current Therapies for Hepatocellular Carcinoma Using a Systems Medicine Approach. <i>Advanced Biology</i> , 2020, 4, e2000030.	3.0	7
69	A systems biology approach for studying neurodegenerative diseases. <i>Drug Discovery Today</i> , 2020, 25, 1146-1159.	6.4	23
70	Editorial: Redox Homeostasis and Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 5487381.	4.0	0
71	Editorial: Redox Homeostasis and Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-2.	4.0	33
72	Elucidating the Reprogramming of Colorectal Cancer Metabolism Using Genome-Scale Metabolic Modeling. <i>Frontiers in Oncology</i> , 2019, 9, 681.	2.8	40

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73	The Potential Use of Metabolic Cofactors in Treatment of NAFLD. <i>Nutrients</i> , 2019, 11, 1578.	4.1	37
74	Systems biology perspective for studying the gut microbiota in human physiology and liver diseases. <i>EBioMedicine</i> , 2019, 49, 364-373.	6.1	25
75	Cardiac expression of the microsomal triglyceride transport protein protects the heart function during ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 137, 1-8.	1.9	3
76	LIPG-promoted lipid storage mediates adaptation to oxidative stress in breast cancer. <i>International Journal of Cancer</i> , 2019, 145, 901-915.	5.1	41
77	Multi-Omic Data Interpretation to Repurpose Subtype Specific Drug Candidates for Breast Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 420.	2.3	36
78	Discovery of therapeutic agents for prostate cancer using genome-scale metabolic modeling and drug repositioning. <i>EBioMedicine</i> , 2019, 42, 386-396.	6.1	69
79	Expression of PD-L1 and PD-1 in Chemoradiotherapy-Naïve Esophageal and Gastric Adenocarcinoma: Relationship With Mismatch Repair Status and Survival. <i>Frontiers in Oncology</i> , 2019, 9, 136.	2.8	36
80	Mature Human White Adipocytes Cultured under Membranes Maintain Identity, Function, and Can Transdifferentiate into Brown-like Adipocytes. <i>Cell Reports</i> , 2019, 27, 213-225.e5.	6.4	83
81	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells. <i>Science</i> , 2019, 366, .	12.6	329
82	The human secretome. <i>Science Signaling</i> , 2019, 12, .	3.6	259
83	Characterization of heterogeneous redox responses in hepatocellular carcinoma patients using network analysis. <i>EBioMedicine</i> , 2019, 40, 471-487.	6.1	38
84	Pyruvate kinase L/R is a regulator of lipid metabolism and mitochondrial function. <i>Metabolic Engineering</i> , 2019, 52, 263-272.	7.0	37
85	Discovery of KIRREL as a biomarker for prognostic stratification of patients with thin melanoma. <i>Biomarker Research</i> , 2019, 7, 1.	6.8	26
86	A Network-Based Cancer Drug Discovery: From Integrated Multi-Omics Approaches to Precision Medicine. <i>Current Pharmaceutical Design</i> , 2019, 24, 3778-3790.	1.9	46
87	Combined ASRGL1 and p53 immunohistochemistry as an independent predictor of survival in endometrioid endometrial carcinoma. <i>Gynecologic Oncology</i> , 2018, 149, 173-180.	1.4	16
88	Systems biology in hepatology: approaches and applications. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 365-377.	17.8	117
89	Broad Views of Non-alcoholic Fatty Liver Disease. <i>Cell Systems</i> , 2018, 6, 7-9.	6.2	24
90	An Integrated Understanding of the Rapid Metabolic Benefits of a Carbohydrate-Restricted Diet on Hepatic Steatosis in Humans. <i>Cell Metabolism</i> , 2018, 27, 559-571.e5.	16.2	321

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91	Integrative Personal Omics Profiles during Periods of Weight Gain and Loss. <i>Cell Systems</i> , 2018, 6, 157-170.e8.	6.2	183
92	Elevated Plasma Levels of 3-Hydroxyisobutyric Acid Are Associated With Incident Type 2 Diabetes. <i>EBioMedicine</i> , 2018, 27, 151-155.	6.1	53
93	TCSBN: a database of tissue and cancer specific biological networks. <i>Nucleic Acids Research</i> , 2018, 46, D595-D600.	14.5	55
94	Metabolic network-based stratification of hepatocellular carcinoma reveals three distinct tumor subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11874-E11883.	7.1	149
95	Vimentin deficiency in macrophages induces increased oxidative stress and vascular inflammation but attenuates atherosclerosis in mice. <i>Scientific Reports</i> , 2018, 8, 16973.	3.3	43
96	Characterization of different fat depots in NAFLD using inflammation-associated proteome, lipidome and metabolome. <i>Scientific Reports</i> , 2018, 8, 14200.	3.3	28
97	Meta-Analysis of Adiponectin as a Biomarker for the Detection of Metabolic Syndrome. <i>Frontiers in Physiology</i> , 2018, 9, 1238.	2.8	37
98	ESS: A Tool for Genome-Scale Quantification of Essentiality Score for Reaction/Genes in Constraint-Based Modeling. <i>Frontiers in Physiology</i> , 2018, 9, 1355.	2.8	8
99	High Cell Density Perfusion Culture has a Maintained Exoproteome and Metabolome. <i>Biotechnology Journal</i> , 2018, 13, e1800036.	3.5	18
100	Identification of Discriminating Metabolic Pathways and Metabolites in Human PBMCs Stimulated by Various Pathogenic Agents. <i>Frontiers in Physiology</i> , 2018, 9, 139.	2.8	3
101	Drug Repositioning for Effective Prostate Cancer Treatment. <i>Frontiers in Physiology</i> , 2018, 9, 500.	2.8	85
102	Understanding the Representative Gut Microbiota Dysbiosis in Metformin-Treated Type 2 Diabetes Patients Using Genome-Scale Metabolic Modeling. <i>Frontiers in Physiology</i> , 2018, 9, 775.	2.8	58
103	Metabolic Network-Based Identification and Prioritization of Anticancer Targets Based on Expression Data in Hepatocellular Carcinoma. <i>Frontiers in Physiology</i> , 2018, 9, 916.	2.8	38
104	Translational study reveals a two-faced role of RBM3 in pancreatic cancer and suggests its potential value as a biomarker for improved patient stratification. <i>Oncotarget</i> , 2018, 9, 6188-6200.	1.8	13
105	Transcriptome profiling of the interconnection of pathways involved in malignant transformation and response to hypoxia. <i>Oncotarget</i> , 2018, 9, 19730-19744.	1.8	1
106	Personal model-assisted identification of NAD ⁺ and ð-glutathione metabolism as intervention target in NAFLD. <i>Molecular Systems Biology</i> , 2017, 13, 916.	7.2	147
107	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	12.6	2,079
108	AUP1 (Ancient Ubiquitous Protein 1). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 609-610.	2.4	2

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109	Network analyses identify liver-specific targets for treating liver diseases. <i>Molecular Systems Biology</i> , 2017, 13, 938.	7.2	112
110	The effect of the TM6SF2 E167K variant on liver steatosis and fibrosis in patients with chronic hepatitis C: a meta-analysis. <i>Scientific Reports</i> , 2017, 7, 9273.	3.3	25
111	Improving the economics of NASH/NAFLD treatment through the use of systems biology. <i>Drug Discovery Today</i> , 2017, 22, 1532-1538.	6.4	28
112	Selection of complementary foods based on optimal nutritional values. <i>Scientific Reports</i> , 2017, 7, 5413.	3.3	11
113	Plasma Mannose Levels Are Associated with Incident Type 2 Diabetes and Cardiovascular Disease. <i>Cell Metabolism</i> , 2017, 26, 281-283.	16.2	85
114	A pathology atlas of the human cancer transcriptome. <i>Science</i> , 2017, 357, .	12.6	2,570
115	Predicting growth of the healthy infant using a genome scale metabolic model. <i>Npj Systems Biology and Applications</i> , 2017, 3, 3.	3.0	22
116	Mitochondria-related transcriptional signature is downregulated in adipocytes in obesity: a study of young healthy MZ twins. <i>Diabetologia</i> , 2017, 60, 169-181.	6.3	55
117	New Challenges to Study Heterogeneity in Cancer Redox Metabolism. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 65.	3.7	65
118	Personalized Cardiovascular Disease Prediction and Treatment – A Review of Existing Strategies and Novel Systems Medicine Tools. <i>Frontiers in Physiology</i> , 2016, 7, 2.	2.8	38
119	Investigating the Combinatory Effects of Biological Networks on Gene Co-expression. <i>Frontiers in Physiology</i> , 2016, 7, 160.	2.8	7
120	Editorial: The Impact of Systems Medicine on Human Health and Disease. <i>Frontiers in Physiology</i> , 2016, 7, 552.	2.8	6
121	Transcriptomics resources of human tissues and organs. <i>Molecular Systems Biology</i> , 2016, 12, 862.	7.2	130
122	Systems biology analysis of hepatitis C virus infection reveals the role of copy number increases in regions of chromosome 1q in hepatocellular carcinoma metabolism. <i>Molecular BioSystems</i> , 2016, 12, 1496-1506.	2.9	21
123	Dysregulated signaling hubs of liver lipid metabolism reveal hepatocellular carcinoma pathogenesis. <i>Nucleic Acids Research</i> , 2016, 44, 5529-5539.	14.5	35
124	ARAP2 promotes GLUT1-mediated basal glucose uptake through regulation of sphingolipid metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1643-1651.	2.4	14
125	Adaptive Evolution of Phosphorus Metabolism in <i>Prochlorococcus</i> . <i>MSystems</i> , 2016, 1, .	3.8	19
126	Phenotypic and genetic variance: a systems approach to the liver. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 439-440.	17.8	6

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127	Integrated Network Analysis Reveals an Association between Plasma Mannose Levels and Insulin Resistance. <i>Cell Metabolism</i> , 2016, 24, 172-184.	16.2	133
128	Confounding Effects of Metformin on the Human Gut Microbiome in Type 2 Diabetes. <i>Cell Metabolism</i> , 2016, 23, 10-12.	16.2	67
129	Extensive weight loss reveals distinct gene expression changes in human subcutaneous and visceral adipose tissue. <i>Scientific Reports</i> , 2015, 5, 14841.	3.3	62
130	The gut microbiota modulates host amino acid and glutathione metabolism in mice. <i>Molecular Systems Biology</i> , 2015, 11, 834.	7.2	291
131	Kinetic Studies to Elucidate Impaired Metabolism of Triglyceride-rich Lipoproteins in Humans. <i>Frontiers in Physiology</i> , 2015, 6, 342.	2.8	11
132	Cancer Metabolism: A Modeling Perspective. <i>Frontiers in Physiology</i> , 2015, 6, 382.	2.8	58
133	Modelling the Effect of SPION Size in a Stent Assisted Magnetic Drug Targeting System with Interparticle Interactions. <i>Scientific World Journal, The</i> , 2015, 2015, 1-7.	2.1	4
134	Stratification of Hepatocellular Carcinoma Patients Based on Acetate Utilization. <i>Cell Reports</i> , 2015, 13, 2014-2026.	6.4	113
135	Identifying anti-growth factors for human cancer cell lines through genome-scale metabolic modeling. <i>Scientific Reports</i> , 2015, 5, 8183.	3.3	60
136	New paradigms for metabolic modeling of human cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 91-97.	6.6	86
137	Tissue-based map of the human proteome. <i>Science</i> , 2015, 347, 1260419.	12.6	10,802
138	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. <i>Cell Metabolism</i> , 2015, 22, 320-331.	16.2	345
139	Logical transformation of genome-scale metabolic models for gene level applications and analysis. <i>Bioinformatics</i> , 2015, 31, 2324-2331.	4.1	43
140	Proteome- and Transcriptome-Driven Reconstruction of the Human Myocyte Metabolic Network and Its Use for Identification of Markers for Diabetes. <i>Cell Reports</i> , 2015, 11, 921-933.	6.4	112
141	The human cardiac and skeletal muscle proteomes defined by transcriptomics and antibody-based profiling. <i>BMC Genomics</i> , 2015, 16, 475.	2.8	58
142	Defining the human gallbladder proteome by transcriptomics and affinity proteomics. <i>Proteomics</i> , 2014, 14, 2498-2507.	2.2	19
143	Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014, 88, 2261-2287.	4.2	143
144	Genome-scale metabolic modelling of hepatocytes reveals serine deficiency in patients with non-alcoholic fatty liver disease. <i>Nature Communications</i> , 2014, 5, 3083.	12.8	461

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145	Analysis of the Human Tissue-specific Expression by Genome-wide Integration of Transcriptomics and Antibody-based Proteomics. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 397-406.	3.8	2,819
146	The human liver-specific proteome defined by transcriptomics and antibody-based profiling. <i>FASEB Journal</i> , 2014, 28, 2901-2914.	0.5	73
147	Identification of anticancer drugs for hepatocellular carcinoma through personalized genome-scale metabolic modeling. <i>Molecular Systems Biology</i> , 2014, 10, 721.	7.2	331
148	Defining the Human Adipose Tissue Proteome To Reveal Metabolic Alterations in Obesity. <i>Journal of Proteome Research</i> , 2014, 13, 5106-5119.	3.7	55
149	Understanding the interactions between bacteria in the human gut through metabolic modeling. <i>Scientific Reports</i> , 2013, 3, 2532.	3.3	224
150	Genome-scale modeling of human metabolism – a systems biology approach. <i>Biotechnology Journal</i> , 2013, 8, 985-996.	3.5	101
151	Integration of clinical data with a genome-scale metabolic model of the human adipocyte. <i>Molecular Systems Biology</i> , 2013, 9, 649.	7.2	217
152	Reconstruction of Genome-Scale Active Metabolic Networks for 69 Human Cell Types and 16 Cancer Types Using INIT. <i>PLoS Computational Biology</i> , 2012, 8, e1002518.	3.2	381
153	Inclusion of interactions in mathematical modelling of implant assisted magnetic drug targeting. <i>Applied Mathematical Modelling</i> , 2012, 36, 1-34.	4.2	57
154	Artificial backbone neuronal network for nano scale sensors. , 2011, , .		2
155	Development of artificial neuronal networks for molecular communication. <i>Nano Communication Networks</i> , 2011, 2, 150-160.	2.9	103
156	Theoretical modelling of physiologically stretched vessel in magnetisable stent assisted magnetic drug targeting application. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 324-329.	2.3	22
157	Many particle magnetic dipole-dipole and hydrodynamic interactions in magnetizable stent assisted magnetic drug targeting. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2087-2094.	2.3	26
158	Inclusion of magnetic dipole-dipole and hydrodynamic interactions in implant-assisted magnetic drug targeting. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3893-3898.	2.3	25
159	Calculation of nanoparticle capture efficiency in magnetic drug targeting. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 3272-3275.	2.3	35
160	Drug Repositioning for Clear Cell Renal Cell Carcinoma Based on Stratification of Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
161	Combined Metabolic Activators Decrease Liver Steatosis by Activating Mitochondrial Metabolism in a Golden Syrian Hamster Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
162	Network Analysis Reveals Heterogeneous Response of Redox Metabolism in Hepatocellular Carcinoma Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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163	Synthesis and in Vitro Toxicity Assessment of Different Nano-Calcium Phosphate Nanoparticles. Brazilian Archives of Biology and Technology, 0, 65, .	0.5	0