

Marcos J Arazo-Bravo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

8,103
citations

43
h-index

87
g-index

195
ext. papers

9,403
ext. citations

8.7
avg, IF

5.58
L-index

#	Paper	IF	Citations
159	The common incidence-age multistep model of neurodegenerative diseases revisited: wider general age range of incidence corresponds to fewer disease steps.. <i>Cell and Bioscience</i> , 2022 , 12, 11	9.8	
158	Triku: a feature selection method based on nearest neighbors for single-cell data.. <i>GigaScience</i> , 2022 , 11,	7.6	3
157	A balanced Oct4 interactome is crucial for maintaining pluripotency.. <i>Science Advances</i> , 2022 , 8, eabe43754.3	14.3	0
156	Proprotein convertases blockage up-regulates specifically metallothioneins coding genes in human colon cancer stem cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 118912	4.9	0
155	Permissive epigenomes endow reprogramming competence to transcriptional regulators. <i>Nature Chemical Biology</i> , 2021 , 17, 47-56	11.7	15
154	Discovery and Proof-of-Concept Study of Nuclease Activity as a Novel Biomarker for Breast Cancer Tumors. <i>Cancers</i> , 2021 , 13,	6.6	3
153	Reiterative infusions of MSCs improve pediatric osteogenesis imperfecta eliciting a pro-osteogenic paracrine response: TERCELOI clinical trial. <i>Clinical and Translational Medicine</i> , 2021 , 11, e265	5.7	7
152	FOntCell: Fusion of Ontologies of Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 562908	5.7	
151	Human Dermal Fibroblast Subpopulations Are Conserved across Single-Cell RNA Sequencing Studies. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1735-1744.e35	4.3	23
150	Therapeutic HNF4A mRNA attenuates liver fibrosis in a preclinical model. <i>Journal of Hepatology</i> , 2021 , 75, 1420-1433	13.4	5
149	The need to reassess single-cell RNA sequencing datasets: more is not always better.. <i>F1000Research</i> , 2021 , 10, 767	3.6	0
148	Basic Hallmarks of Urothelial Cancer Unleashed in Primary Uroepithelium by Interference with the Epigenetic Master Regulator ODC1. <i>Scientific Reports</i> , 2020 , 10, 3808	4.9	2
147	SOX9 promotes tumor progression through the axis BMI1-p21. <i>Scientific Reports</i> , 2020 , 10, 357	4.9	16
146	HuR/ELAVL1 drives malignant peripheral nerve sheath tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 3848-3864	15.9	12
145	Vaccination accelerates hepatic erythroblastosis induced by blood-stage malaria. <i>Malaria Journal</i> , 2020 , 19, 49	3.6	2
144	Sequentially induced motor neurons from human fibroblasts facilitate locomotor recovery in a rodent spinal cord injury model. <i>ELife</i> , 2020 , 9,	8.9	9
143	Aging-associated distinctive DNA methylation changes of LINE-1 retrotransposons in pure cell-free DNA from human blood. <i>Scientific Reports</i> , 2020 , 10, 22127	4.9	7

142	An Integrative Omics Approach Reveals Involvement of in Hepatic Metastatic Progression of Colorectal Cancer. <i>Cancers</i> , 2020 , 12,	6.6	2
141	Reprogramming competence of OCT factors is determined by transactivation domains. <i>Science Advances</i> , 2020 , 6,	14.3	7
140	Genealogy of the neurodegenerative diseases based on a meta-analysis of age-stratified incidence data. <i>Scientific Reports</i> , 2020 , 10, 18923	4.9	5
139	BigMPI4py: Python module for parallelization of Big Data objects discloses germ layer specific DNA demethylation motifs. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , PP,	3	1
138	Computational analysis of single-cell transcriptomics data elucidates the stabilization of Oct4 expression in the E3.25 mouse preimplantation embryo. <i>Scientific Reports</i> , 2019 , 9, 8930	4.9	4
137	The K -channel TASK1 affects Oligodendroglial differentiation but not myelin restoration. <i>Glia</i> , 2019 , 67, 870-883	9	5
136	GABA-B1 Receptor-Null Schwann Cells Exhibit Compromised In Vitro Myelination. <i>Molecular Neurobiology</i> , 2019 , 56, 1461-1474	6.2	9
135	Oct4 and Hnf4 β induced hepatic stem cells ameliorate chronic liver injury in liver fibrosis model. <i>PLoS ONE</i> , 2019 , 14, e0221085	3.7	6
134	Signal Integration and Transcriptional Regulation of the Inflammatory Response Mediated by the GM-/M-CSF Signaling Axis in Human Monocytes. <i>Cell Reports</i> , 2019 , 29, 860-872.e5	10.6	14
133	Enhanced Ex Vivo Generation of Erythroid Cells from Human Induced Pluripotent Stem Cells in a Simplified Cell Culture System with Low Cytokine Support. <i>Stem Cells and Development</i> , 2019 , 28, 1540-1551	4.4	23
132	Therapeutic relevance of SOX9 stem cell factor in gastric cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2019 , 23, 143-152	6.4	8
131	Aberrant methylated key genes of methyl group metabolism within the molecular etiology of urothelial carcinogenesis. <i>Scientific Reports</i> , 2018 , 8, 3477	4.9	7
130	Targeting liver sinusoidal endothelial cells with miR-20a-loaded nanoparticles reduces murine colon cancer metastasis to the liver. <i>International Journal of Cancer</i> , 2018 , 143, 709-719	7.5	31
129	Genome-wide hypomethylation of LINE-1 and Alu retroelements in cell-free DNA of blood is an epigenetic biomarker of human aging. <i>Saudi Journal of Biological Sciences</i> , 2018 , 25, 1220-1226	4	23
128	Rules governing the mechanism of epigenetic reprogramming memory. <i>Epigenomics</i> , 2018 , 10, 149-174	4.4	8
127	Gene expression of the liver of vaccination-protected mice in response to early patent infections of Plasmodium chabaudi blood-stage malaria. <i>Malaria Journal</i> , 2018 , 17, 215	3.6	4
126	PR-LncRNA signature regulates glioma cell activity through expression of SOX factors. <i>Scientific Reports</i> , 2018 , 8, 12746	4.9	11
125	Esrrb Unlocks Silenced Enhancers for Reprogramming to Naive Pluripotency. <i>Cell Stem Cell</i> , 2018 , 23, 266-275.e6	18	35

124	GAA deficiency in Pompe disease is alleviated by exon inclusion in iPS cell-derived skeletal muscle cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, SY30-2	0	
123	Revised roles of ISL1 in a hES cell-based model of human heart chamber specification. <i>ELife</i> , 2018 , 7,	8.9	21
122	Astrocyte pathology in a human neural stem cell model of frontotemporal dementia caused by mutant TAU protein. <i>Scientific Reports</i> , 2017 , 7, 42991	4.9	51
121	GAA Deficiency in Pompe Disease Is Alleviated by Exon Inclusion in iPSC-Derived Skeletal Muscle Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 7, 101-115	10.7	36
120	Protective vaccination and blood-stage malaria modify DNA methylation of gene promoters in the liver of Balb/c mice. <i>Parasitology Research</i> , 2017 , 116, 1463-1477	2.4	7
119	Changing POU dimerization preferences converts Oct6 into a pluripotency inducer. <i>EMBO Reports</i> , 2017 , 18, 319-333	6.5	28
118	Blockage of the Epithelial-to-Mesenchymal Transition Is Required for Embryonic Stem Cell Derivation. <i>Stem Cell Reports</i> , 2017 , 9, 1275-1290	8	8
117	NaviSE: superenhancer navigator integrating epigenomics signal algebra. <i>BMC Bioinformatics</i> , 2017 , 18, 296	3.6	1
116	DNA methylation regulates discrimination of enhancers from promoters through a H3K4me1-H3K4me3 seesaw mechanism. <i>BMC Genomics</i> , 2017 , 18, 964	4.5	46
115	P3BSseq: parallel processing pipeline software for automatic analysis of bisulfite sequencing data. <i>Bioinformatics</i> , 2017 , 33, 428-431	7.2	8
114	SOX9 Elevation Acts with Canonical WNT Signaling to Drive Gastric Cancer Progression. <i>Cancer Research</i> , 2016 , 76, 6735-6746	10.1	79
113	Distinct Signaling Requirements for the Establishment of ESC Pluripotency in Late-Stage EpiSCs. <i>Cell Reports</i> , 2016 , 15, 787-800	10.6	22
112	Stepwise Clearance of Repressive Roadblocks Drives Cardiac Induction in Human ESCs. <i>Cell Stem Cell</i> , 2016 , 18, 341-53	18	58
111	Does mouse embryo primordial germ cell activation start before implantation as suggested by single-cell transcriptomics dynamics?. <i>Molecular Human Reproduction</i> , 2016 , 22, 208-25	4.4	14
110	Computational Biology Methods for Characterization of Pluripotent Cells. <i>Methods in Molecular Biology</i> , 2016 , 1357, 195-220	1.4	1
109	Inflammaging and Frailty Status Do Not Result in an Increased Extracellular Vesicle Concentration in Circulation. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	17
108	Recurrent abdominal panniculitis in a Peruvian man. <i>International Journal of Dermatology</i> , 2016 , 55, 1057-9	4.9	2
107	Establishment of feeder-free culture system for human induced pluripotent stem cell on DAS nanocrystalline graphene. <i>Scientific Reports</i> , 2016 , 6, 20708	4.9	10

106	Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. <i>Cell Stem Cell</i> , 2016 , 18, 797-808	18	134
105	Blood-stage malaria of Plasmodium chabaudi induces differential Tlr expression in the liver of susceptible and vaccination-protected Balb/c mice. <i>Parasitology Research</i> , 2016 , 115, 1835-43	2.4	2
104	Comparative transcriptome analysis in induced neural stem cells reveals defined neural cell identities in vitro and after transplantation into the adult rodent brain. <i>Stem Cell Research</i> , 2016 , 16, 776-81	1.6	4
103	Functional high-resolution time-course expression analysis of human embryonic stem cells undergoing cardiac induction. <i>Genomics Data</i> , 2016 , 10, 71-74		5
102	Identification and Characterization of the Dermal Panniculus Carnosus Muscle Stem Cells. <i>Stem Cell Reports</i> , 2016 , 7, 411-424	8	22
101	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. <i>Stem Cell Reports</i> , 2015 , 5, 83-96	8	60
100	Human primordial germ cell commitment in vitro associates with a unique PRDM14 expression profile. <i>EMBO Journal</i> , 2015 , 34, 1009-24	13	98
99	Direct Induction of Trophoblast Stem Cells from Murine Fibroblasts. <i>Cell Stem Cell</i> , 2015 , 17, 557-68	18	61
98	Increased robustness of early embryogenesis through collective decision-making by key transcription factors. <i>BMC Systems Biology</i> , 2015 , 9, 23	3.5	5
97	Erythroid differentiation of human induced pluripotent stem cells is independent of donor cell type of origin. <i>Haematologica</i> , 2015 , 100, 32-41	6.6	40
96	A mechanism for the segregation of age in mammalian neural stem cells. <i>Science</i> , 2015 , 349, 1334-8	33.3	103
95	Perivascular Mesenchymal Stem Cells From the Adult Human Brain Harbor No Intrinsic Neuroectodermal but High Mesodermal Differentiation Potential. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 1223-33	6.9	16
94	MicroRNA-199a-5p inhibition enhances the liver repopulation ability of human embryonic stem cell-derived hepatic cells. <i>Journal of Hepatology</i> , 2015 , 62, 101-10	13.4	32
93	Epigenetic modifications of gene promoter DNA in the liver of adult female mice masculinized by testosterone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 145, 121-30	5.1	20
92	Hypoxia induces pluripotency in primordial germ cells by HIF1 β stabilization and Oct4 deregulation. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 205-23	8.4	18
91	Reactivation of the inactive X chromosome and post-transcriptional reprogramming of Xist in iPSCs. <i>Journal of Cell Science</i> , 2015 , 128, 81-7	5.3	11
90	Oct4-induced oligodendrocyte progenitor cells enhance functional recovery in spinal cord injury model. <i>EMBO Journal</i> , 2015 , 34, 2971-83	13	36
89	Dissecting the role of distinct OCT4-SOX2 heterodimer configurations in pluripotency. <i>Scientific Reports</i> , 2015 , 5, 13533	4.9	40

88	Universal cardiac induction of human pluripotent stem cells in two and three-dimensional formats: implications for in vitro maturation. <i>Stem Cells</i> , 2015 , 33, 1456-69	5.8	64
87	Reactivation of the inactive X chromosome and post-transcriptional reprogramming of Xist in iPSCs. <i>Development (Cambridge)</i> , 2015 , 142, e0205-e0205	6.6	
86	Direct conversion of mouse fibroblasts into induced neural stem cells. <i>Nature Protocols</i> , 2014 , 9, 871-81	18.8	63
85	Counteracting activities of OCT4 and KLF4 during reprogramming to pluripotency. <i>Stem Cell Reports</i> , 2014 , 2, 351-65	8	11
84	Inhibition of TGF β signaling promotes ground state pluripotency. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 16-30	6.4	51
83	Cell-to-cell expression variability followed by signal reinforcement progressively segregates early mouse lineages. <i>Nature Cell Biology</i> , 2014 , 16, 27-37	23.4	213
82	Human bone marrow stromal cells lose immunosuppressive and anti-inflammatory properties upon oncogenic transformation. <i>Stem Cell Reports</i> , 2014 , 3, 606-19	8	27
81	Human adult white matter progenitor cells are multipotent neuroprogenitors similar to adult hippocampal progenitors. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 458-69	6.9	18
80	Atypical cell populations associated with acquired resistance to cytostatics and cancer stem cell features: the role of mitochondria in nuclear encapsulation. <i>DNA and Cell Biology</i> , 2014 , 33, 749-74	3.6	17
79	DNA replication is an integral part of the mouse oocyte's reprogramming machinery. <i>PLoS ONE</i> , 2014 , 9, e97199	3.7	6
78	Germ cell nuclear factor regulates gametogenesis in developing gonads. <i>PLoS ONE</i> , 2014 , 9, e103985	3.7	12
77	Testosterone persistently dysregulates hepatic expression of Tlr6 and Tlr8 induced by Plasmodium chabaudi malaria. <i>Parasitology Research</i> , 2014 , 113, 3609-20	2.4	5
76	Unreserved application of epigenetic methods to define differences of DNA methylation between urinary cellular and cell-free DNA. <i>Cancer Biomarkers</i> , 2014 , 14, 295-302	3.8	17
75	A novel feeder-free culture system for expansion of mouse spermatogonial stem cells. <i>Molecules and Cells</i> , 2014 , 37, 473-9	3.5	19
74	Origin-dependent neural cell identities in differentiated human iPSCs in vitro and after transplantation into the mouse brain. <i>Cell Reports</i> , 2014 , 8, 1697-1703	10.6	34
73	Nanog induces hyperplasia without initiating tumors. <i>Stem Cell Research</i> , 2014 , 13, 300-15	1.6	19
72	Derivation and maintenance of murine trophoblast stem cells under defined conditions. <i>Stem Cell Reports</i> , 2014 , 2, 232-42	8	63
71	RNA-sequencing from single nuclei. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19802-7	11.5	201

70	Disclosing the crosstalk among DNA methylation, transcription factors, and histone marks in human pluripotent cells through discovery of DNA methylation motifs. <i>Genome Research</i> , 2013 , 23, 2013-29	9.7	29
69	Conversion of genomic imprinting by reprogramming and redifferentiation. <i>Journal of Cell Science</i> , 2013 , 126, 2516-24	5.3	19
68	Metabolic control of adult neural stem cell activity by Fasn-dependent lipogenesis. <i>Nature</i> , 2013 , 493, 226-30	50.4	320
67	Reprogramming of two somatic nuclei in the same ooplasm leads to pluripotent embryonic stem cells. <i>Stem Cells</i> , 2013 , 31, 2343-53	5.8	9
66	A unique Oct4 interface is crucial for reprogramming to pluripotency. <i>Nature Cell Biology</i> , 2013 , 15, 295-304	39.1	109
65	How well Fuzzy ARTMAP approximates functions?. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 25, 335-350	1.6	2
64	FLT3 activation cooperates with MLL-AF4 fusion protein to abrogate the hematopoietic specification of human ESCs. <i>Blood</i> , 2013 , 121, 3867-78, S1-3	2.2	26
63	Sox2 Level Is a Determinant of Cellular Reprogramming Potential. <i>PLoS ONE</i> , 2013 , 8, e67594	3.7	5
62	Transcription factor TFAP2C regulates major programs required for murine fetal germ cell maintenance and haploinsufficiency predisposes to teratomas in male mice. <i>PLoS ONE</i> , 2013 , 8, e71113	3.7	29
61	Reprogramming to pluripotency through a somatic stem cell intermediate. <i>PLoS ONE</i> , 2013 , 8, e85138	3.7	13
60	A global transcriptome analysis reveals molecular hallmarks of neural stem cell death, survival, and differentiation in response to partial FGF-2 and EGF deprivation. <i>PLoS ONE</i> , 2013 , 8, e53594	3.7	26
59	Reprogramming to pluripotency is an ancient trait of vertebrate Oct4 and Pou2 proteins. <i>Nature Communications</i> , 2012 , 3, 1279	17.4	50
58	ART culture conditions change the probability of mouse embryo gestation through defined cellular and molecular responses. <i>Human Reproduction</i> , 2012 , 27, 2627-40	5.7	73
57	Direct reprogramming of fibroblasts into neural stem cells by defined factors. <i>Cell Stem Cell</i> , 2012 , 10, 465-72	18	441
56	Efficient hematopoietic redifferentiation of induced pluripotent stem cells derived from primitive murine bone marrow cells. <i>Stem Cells and Development</i> , 2012 , 21, 689-701	4.4	27
55	Comprehensive human transcription factor binding site map for combinatorial binding motifs discovery. <i>PLoS ONE</i> , 2012 , 7, e49086	3.7	5
54	Autologous pluripotent stem cells generated from adult mouse testicular biopsy. <i>Stem Cell Reviews and Reports</i> , 2012 , 8, 435-44	6.4	16
53	Isolation of novel multipotent neural crest-derived stem cells from adult human inferior turbinate. <i>Stem Cells and Development</i> , 2012 , 21, 742-56	4.4	88

52	Somatic cell nuclear reprogramming of mouse oocytes endures beyond reproductive decline. <i>Aging Cell</i> , 2011 , 10, 80-95	9.9	19
51	Direct reprogramming of fibroblasts into epiblast stem cells. <i>Nature Cell Biology</i> , 2011 , 13, 66-71	23.4	101
50	Unrestricted somatic stem cells (USSC) from human umbilical cord blood display uncommitted epigenetic signatures of the major stem cell pluripotency genes. <i>Stem Cell Research</i> , 2011 , 6, 60-9	1.6	33
49	FGF signalling inhibits neural induction in human embryonic stem cells. <i>EMBO Journal</i> , 2011 , 30, 4874-84	13	109
48	Concise review: challenging the pluripotency of human testis-derived ESC-like cells. <i>Stem Cells</i> , 2011 , 29, 1165-9	5.8	30
47	Brief report: evaluating the potential of putative pluripotent cells derived from human testis. <i>Stem Cells</i> , 2011 , 29, 1304-9	5.8	22
46	Distinct developmental ground states of epiblast stem cell lines determine different pluripotency features. <i>Stem Cells</i> , 2011 , 29, 1496-503	5.8	86
45	Identification of genes specific to mouse primordial germ cells through dynamic global gene expression. <i>Human Molecular Genetics</i> , 2011 , 20, 115-25	5.6	36
44	Efficient derivation of pluripotent stem cells from siRNA-mediated Cdx2-deficient mouse embryos. <i>Stem Cells and Development</i> , 2011 , 20, 485-93	4.4	7
43	Human adult germline stem cells in question. <i>Nature</i> , 2010 , 465, E1; discussion E3	50.4	67
42	Conversion of adult mouse unipotent germline stem cells into pluripotent stem cells. <i>Nature Protocols</i> , 2010 , 5, 921-8	18.8	45
41	Initiation of trophectoderm lineage specification in mouse embryos is independent of Cdx2. <i>Development (Cambridge)</i> , 2010 , 137, 4159-69	6.6	92
40	MaGSoundDST: automatic inversion of magnetic and gravity data based on the differential similarity transform. <i>Geophysics</i> , 2010 , 75, L25-L38	3.1	6
39	Chromatin-Remodeling Components of the BAF Complex Facilitate Reprogramming. <i>Cell</i> , 2010 , 141, 943-55	56.2	299
38	Epiblast stem cell subpopulations represent mouse embryos of distinct pregastrulation stages. <i>Cell</i> , 2010 , 143, 617-27	56.2	171
37	Three-dimensional interpretation of magnetic and gravity anomalies using the finite-difference similarity transform. <i>Geophysics</i> , 2010 , 75, L79-L90	3.1	3
36	Induction of pluripotency in human cord blood unrestricted somatic stem cells. <i>Experimental Hematology</i> , 2010 , 38, 809-18, 818.e1-2	3.1	51
35	Neural induction intermediates exhibit distinct roles of Fgf signaling. <i>Stem Cells</i> , 2010 , 28, 1772-81	5.8	33

34	Generation of parthenogenetic induced pluripotent stem cells from parthenogenetic neural stem cells. <i>Stem Cells</i> , 2009 , 27, 2962-8	5.8	12
33	Epigenetic hierarchy governing Nestin expression. <i>Stem Cells</i> , 2009 , 27, 1088-97	5.8	33
32	Estimating the magnetization direction of sources from southeast Bulgaria through correlation between reduced-to-the-pole and total magnitude anomalies. <i>Geophysical Prospecting</i> , 2009 , 57, 491-505	1.9	56
31	Depth and shape estimates from simultaneous inversion of magnetic fields and their gradient components using differential similarity transforms. <i>Geophysical Prospecting</i> , 2009 , 57, 707-717	1.9	5
30	Direct reprogramming of human neural stem cells by OCT4. <i>Nature</i> , 2009 , 461, 649-3	50.4	561
29	Generation of induced pluripotent stem cells from neural stem cells. <i>Nature Protocols</i> , 2009 , 4, 1464-70	18.8	71
28	Oct4-induced pluripotency in adult neural stem cells. <i>Cell</i> , 2009 , 136, 411-9	56.2	773
27	Induction of pluripotency in adult unipotent germline stem cells. <i>Cell Stem Cell</i> , 2009 , 5, 87-96	18	218
26	Observing and Manipulating Pluripotency in Normal and Cloned Mouse Embryos 2009 , 101-121		1
25	Pluripotent stem cells induced from adult neural stem cells by reprogramming with two factors. <i>Nature</i> , 2008 , 454, 646-50	50.4	803
24	ReXSpecies--a tool for the analysis of the evolution of gene regulation across species. <i>BMC Evolutionary Biology</i> , 2008 , 8, 111	3	6
23	Effect of cra gene knockout together with edd and iclR genes knockout on the metabolism in Escherichia coli. <i>Archives of Microbiology</i> , 2008 , 190, 559-71	3	43
22	Indirect readout in drug-DNA recognition: role of sequence-dependent DNA conformation. <i>Nucleic Acids Research</i> , 2008 , 36, 376-86	20.1	17
21	Modular architecture of protein structures and allosteric communications: potential implications for signaling proteins and regulatory linkages. <i>Genome Biology</i> , 2007 , 8, R92	18.3	75
20	ReadOut: structure-based calculation of direct and indirect readout energies and specificities for protein-DNA recognition. <i>Nucleic Acids Research</i> , 2006 , 34, W124-7	20.1	31
19	Calculation of magnitude magnetic transforms with high centrality and low dependence on the magnetization vector direction. <i>Geophysics</i> , 2006 , 71, I21-I30	3.1	28
18	Automatic inversion of magnetic anomalies from two height levels using finite-difference similarity transforms. <i>Geophysics</i> , 2006 , 71, L75-L86	3.1	5
17	Dimensionality of amino acid space and solvent accessibility prediction with neural networks. <i>Computational Biology and Chemistry</i> , 2006 , 30, 160-8	3.6	4

16	Protein Sequence and Structure Databases: A Review. <i>Current Analytical Chemistry</i> , 2005 , 1, 355-371	1.7	4
15	Finite-difference Euler Deconvolution Algorithm Applied to the Interpretation of Magnetic Data from Northern Bulgaria. <i>Pure and Applied Geophysics</i> , 2005 , 162, 591-608	2.2	15
14	Sequence-dependent conformational energy of DNA derived from molecular dynamics simulations: toward understanding the indirect readout mechanism in protein-DNA recognition. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16074-89	16.4	49
13	Knowledge-based prediction of DNA atomic structure from nucleic sequence. <i>Genome Informatics</i> , 2005 , 16, 12-21		4
12	Metabolic flux analysis for a ppc mutant Escherichia coli based on 13C-labelling experiments together with enzyme activity assays and intracellular metabolite measurements. <i>FEMS Microbiology Letters</i> , 2004 , 235, 17-23	2.9	78
11	Effect of a pyruvate kinase (pykF-gene) knockout mutation on the control of gene expression and metabolic fluxes in Escherichia coli. <i>FEMS Microbiology Letters</i> , 2004 , 235, 25-33	2.9	79
10	Metabolic flux analysis of pykF gene knockout Escherichia coli based on 13C-labeling experiments together with measurements of enzyme activities and intracellular metabolite concentrations. <i>Applied Microbiology and Biotechnology</i> , 2004 , 63, 407-17	5.7	115
9	Determination of the parameters of compact ferro-metallic objects with transforms of magnitude magnetic anomalies. <i>Journal of Applied Geophysics</i> , 2004 , 55, 173-186	1.7	14
8	Automatization of a penicillin production process with soft sensors and an adaptive controller based on neuro fuzzy systems. <i>Control Engineering Practice</i> , 2004 , 12, 1073-1090	3.9	41
7	Metabolic flux analysis for a ppc mutant Escherichia coli based on 13C-labelling experiments together with enzyme activity assays and intracellular metabolite measurements. <i>FEMS Microbiology Letters</i> , 2004 , 235, 17-23	2.9	29
6	Effect of a pyruvate kinase (pykF-gene) knockout mutation on the control of gene expression and metabolic fluxes in Escherichia coli. <i>FEMS Microbiology Letters</i> , 2004 , 235, 25-33	2.9	38
5	Automatic interpretation of magnetic data based on Euler deconvolution with unprescribed structural index. <i>Computers and Geosciences</i> , 2003 , 29, 949-960	4.5	50
4	An improved method for statistical analysis of metabolic flux analysis using isotopomer mapping matrices with analytical expressions. <i>Journal of Biotechnology</i> , 2003 , 105, 117-33	3.7	47
3	Sequence-Based Prediction of Residue-Level Properties in Proteins 157-187		
2	Triku: a feature selection method based on nearest neighbors for single-cell data		2
1	The need to reassess single-cell RNA sequencing datasets: the importance of biological sample processing. <i>F1000Research</i> , 10, 767	3.6	0