Jake Y Chen

List of Publications by Year
in descending order

170 papers	6,606 citations	87888 38 h-index	69250 77 g-index
179 all docs	179 docs citations	179 times ranked	9394 citing authors

#	Article	IF	Citations
1	A novel adiponectin receptor agonist (AdipoAI) ameliorates type 2 diabetes–associated periodontitis by enhancing autophagy in osteoclasts.. Journal of Periodontal Research, 2022, 57, 381-391.	2.7	8
2	A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts. Immunity, 2022, 55, 494-511.e11.	14.3	15
3	PAGER Web APP: An Interactive, Online Gene Set and Network Interpretation Tool for Functional Genomics. Frontiers in Genetics, 2022, 13, 820361.	2.3	2
4	Identification and Characterization of a Novel Long Noncoding RNA that Regulates Osteogenesis in Diet-Induced Obesity Mice. Frontiers in Cell and Developmental Biology, 2022, 10, 832460.	3.7	2
5	Single Nucleus Transcriptomics: Apical Resection in Newborn Pigs Extends the Time Window of Cardiomyocyte Proliferation and Myocardial Regeneration. Circulation, 2022, 145, 1744-1747.	1.6	11
6	Scalable De Novo Genome Assembly Using a Pregel-Like Graph-Parallel System. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 731-744.	3.0	2
7	Identification and characterization of a novel adiponectin receptor agonist adipo anti-inflammation agonist and its anti-inflammatory effects in vitro and in vivo. British Journal of Pharmacology, 2021, 178, 280-297.	5.4	22
8	PAGER-CoV: a comprehensive collection of pathways, annotated gene-lists and gene signatures for coronavirus disease studies. Nucleic Acids Research, 2021, 49, D589-D599.	14.5	8
9	Biological Network Mining. Methods in Molecular Biology, 2021, 2328, 139-151.	0.9	0
10	Linking clinotypes to phenotypes and genotypes from laboratory test results in comprehensive physical exams. BMC Medical Informatics and Decision Making, 2021, 21, 51.	3.0	2
11	Guest Editorial for Selected Papers From BIOKDD 2019. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 809-810.	3.0	0
12	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. Leukemia, 2021, 35, 3371-3382.	7.2	19
13	Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. Archives of Oral Biology, 2021, 129, 105207.	1.8	3
14	Statistical Enrichment Analysis of Samples: A General-Purpose Tool to Annotate Metadata Neighborhoods of Biological Samples. Frontiers in Big Data, 2021, 4, 725276.	2.9	1
15	Roles and Mechanisms of Irisin in Attenuating Pathological Features of Osteoarthritis. Frontiers in Cell and Developmental Biology, 2021, 9, 703670.	3.7	14
16	Polar Gini Curve: A Technique to Discover Gene Expression Spatial Patterns from Single-cell RNA-seq Data. Genomics, Proteomics and Bioinformatics, 2021, 19, 493-503.	6.9	1
17	Potential roles of miR-335-5p on pathogenesis of experimental periodontitis. Journal of Periodontal Research, 2020, 55, 191-198.	2.7	22
18	AdipoRon promotes diabetic fracture repair through endochondral ossification-based bone repair by enhancing survival and differentiation of chondrocytes. Experimental Cell Research, 2020, 387, 111757.	2.6	9

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19	Identifying the key regulators that promote cell-cycle activity in the hearts of early neonatal pigs after myocardial injury. PLoS ONE, 2020, 15, e0232963.	2.5	14
20	Polyvalent therapeutic vaccine for type 2 diabetes mellitus: Immunoinformatics approach to study co-stimulation of cytokines and GLUT1 receptors. BMC Molecular and Cell Biology, 2020, 21, 56.	2.0	1
21	Empowering Team Science Across the Translational Spectrum with the UAB Biomedical Research Infrastructure Technology Enhancement (U-BRITE). , 2020, , .		0
22	Guest Editorial for Selected Papers from BIOKDD 2018 and DMBIH 2018. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1832-1834.	3.0	1
23	IL-23 Promotes a Coordinated B Cell Germinal Center Program for Class-Switch Recombination to IgG2b in BXD2 Mice. Journal of Immunology, 2020, 205, 346-358.	0.8	11
24	Decoding SARS-CoV-2 hijacking of host mitochondria in COVID-19 pathogenesis. American Journal of Physiology - Cell Physiology, 2020, 319, C258-C267.	4.6	258
25	Abstract 279: Long non-coding RNAs in glioblastoma tumor recurrence and therapy resistance. , 2020, , .		0
26	CBIO-12. THE ROLES OF lncRNAs IN GBM RADIATION RESISTANCE AND TUMOR RECURRENCE. Neuro-Oncology, 2020, 22, ii18-ii18.	1.2	0
27	WIPER: Weighted in-Path Edge Ranking for biomolecular association networks. Quantitative Biology, 2019, 7, 313-326.	0.5	4
28	Graft-Versus-Host Disease–Free Antitumoral Signature After Allogeneic Donor Lymphocyte Injection Identified by Proteomics and Systems Biology. JCO Precision Oncology, 2019, 3, 1-11.	3.0	2
29	BEERE: a web server for biomedical entity expansion, ranking and explorations. Nucleic Acids Research, 2019, 47, W578-W586.	14.5	5
30	A systematic simulation-based meta-analytical framework for prediction of physiological biomarkers in alopecia. Journal of Biological Research, 2019, 26, 2.	2.1	31
31	Gsslasso Cox: a Bayesian hierarchical model for predicting survival and detecting associated genes by incorporating pathway information. BMC Bioinformatics, 2019, 20, 94.	2.6	13
32	Association of CMV genomic mutations with symptomatic infection and hearing loss in congenital CMV infection. BMC Infectious Diseases, 2019, 19, 1046.	2.9	11
33	Central adiponectin induces trabecular bone mass partly through epigenetic downregulation of cannabinoid receptor CB1. Journal of Cellular Physiology, 2019, 234, 7062-7069.	4.1	4
34	Abstract P108: Identify Hypertension Risk from Health Exam Results. Hypertension, 2019, 74, .	2.7	1
35	PAGER 2.0: an update to the pathway, annotated-list and gene-signature electronic repository for Human Network Biology. Nucleic Acids Research, 2018, 46, D668-D676.	14.5	18
36	Multiscale and Multimodal Analysis for Computational Biology. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1951-1952.	3.0	2

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37	A novel Lipidoid-MicroRNA formulation promotes calvarial bone regeneration. Biomaterials, 2018, 177, 88-97.	11.4	46
38	"Super Gene Set"Causal Relationship Discovery from Functional Genomics Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1991-1998.	3.0	2
39	Simulation Study of cDNA Dataset to Investigate Possible Association of Differentially Expressed Genes of Human THP1-Monocytic Cells in Cancer Progression Affected by Bacterial Shiga Toxins. Frontiers in Microbiology, 2018, 9, 380.	3.5	6
40	Regenerative Potential of Neonatal Porcine Hearts. Circulation, 2018, 138, 2809-2816.	1.6	179
41	Runx2/DICER/miRNA Pathway in Regulating Osteogenesis. Journal of Cellular Physiology, 2017, 232, 182-191.	4.1	45
42	HAPPI-2: a Comprehensive and High-quality Map of Human Annotated and Predicted Protein Interactions. BMC Genomics, 2017, 18, 182.	2.8	35
43	Exercise-induced irisin in bone and systemic irisin administration reveal new regulatory mechanisms of bone metabolism. Bone Research, 2017, 5, 16056.	11.4	126
44	Integrative Approaches to Understanding the Pathogenic Role of Genetic Variation in Rheumatic Diseases. Rheumatic Disease Clinics of North America, 2017, 43, 449-466.	1.9	9
45	Overexpression of MiR-335-5p Promotes Bone Formation and Regeneration in Mice. Journal of Bone and Mineral Research, 2017, 32, 2466-2475.	2.8	92
46	Cellular Signaling Pathways in Insulin Resistance-Systems Biology Analyses of Microarray Dataset Reveals New Drug Target Gene Signatures of Type 2 Diabetes Mellitus. Frontiers in Physiology, 2017, 8, 13.	2.8	20
47	Repositioning drugs by targeting network modules: a Parkinson's disease case study. BMC Bioinformatics, 2017, 18, 532.	2.6	25
48	Bone Tissue Regeneration - Application of Mesenchymal Stem Cells and Cellular and Molecular Mechanisms. Current Stem Cell Research and Therapy, 2017, 12, 357-364.	1.3	30
49	Characterization and analysis of long non-coding rna (lncRNA) in In Vitro- and Ex Vivo-derived cardiac progenitor cells. PLoS ONE, 2017, 12, e0180096.	2.5	3
50	Proteomic Characterization Reveals That MMP-3 Correlates With Bronchiolitis Obliterans Syndrome Following Allogeneic Hematopoietic Cell and Lung Transplantation. American Journal of Transplantation, 2016, 16, 2342-2351.	4.7	32
51	Epigenetic Modulation in Periodontitis: Interaction of Adiponectin and JMJD3-IRF4 Axis in Macrophages. Journal of Cellular Physiology, 2016, 231, 1090-1096.	4.1	38
52	Towards constructing "Super Gene Sets"regulatory networks. , 2016, , .		1
53	A method for identifying discriminative isoform-specific peptides for clinical proteomics application. BMC Genomics, 2016, 17, 522.	2.8	10
54	DTMBIO 2016. , 2016, , .		1

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55	DMAP: a connectivity map database to enable identification of novel drug repositioning candidates. BMC Bioinformatics, 2015, 16, S4.	2.6	35
56	A method for developing regulatory gene set networks to characterize complex biological systems. BMC Genomics, 2015, 16, S4.	2.8	1
57	MicroRNA Expression Profiling of Human Respiratory Epithelium Affected by Invasive Candida Infection. PLoS ONE, 2015, 10, e0136454.	2.5	23
58	Epigenetically Modified Bone Marrow Stromal Cells in Silk Scaffolds Promote Craniofacial Bone Repair and Wound Healing. Tissue Engineering - Part A, 2015, 21, 2156-2165.	3.1	22
59	PAGER: constructing PAGs and new PAGâ€"PAG relationships for network biology. Bioinformatics, 2015, 31, i250-i257.	4.1	21
60	Predictive and preventive models for diabetes prevention using clinical information in electronic health record. , 2015, , .		3
61	Adiponectin Regulates Bone Marrow Mesenchymal Stem Cell Niche Through a Unique Signal Transduction Pathway: An Approach for Treating Bone Disease in Diabetes. Stem Cells, 2015, 33, 240-252.	3.2	65
62	Knowledge Discovery Using Big Data in Biomedical Systems [Guest Editorial]. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 726-728.	3.0	1
63	Central adiponectin administration reveals new regulatory mechanisms of bone metabolism in mice. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1418-E1430.	3.5	51
64	Constructing regulatory gene set networks to reveal novel insights into biological systems. , 2014, , .		0
65	MicroRNA expression signature for Satb2-induced osteogenic differentiation in bone marrow stromal cells. Molecular and Cellular Biochemistry, 2014, 387, 227-239.	3.1	53
66	Prioritizing drug targets in Clostridium botulinum with a computational systems biology approach. Genomics, 2014, 104, 24-35.	2.9	27
67	Pathway and network analysis in proteomics. Journal of Theoretical Biology, 2014, 362, 44-52.	1.7	98
68	Seed-weighted random walk ranking for cancer biomarker prioritisation: a case study in leukaemia. International Journal of Data Mining and Bioinformatics, 2014, 9, 135.	0.1	5
69	SLDR: a computational technique to identify novel genetic regulatory relationships. BMC Bioinformatics, 2014, 15, S1.	2.6	1
70	Adiponectin Ameliorates Experimental Periodontitis in Diet-Induced Obesity Mice. PLoS ONE, 2014, 9, e97824.	2.5	31
71	Computational Identification of De-Centric Genetic Regulatory Relationships from Functional Genomic Data. Lecture Notes in Computer Science, 2014, , 224-235.	1.3	0
72	Breast cancer subtyping from plasma proteins. BMC Medical Genomics, 2013, 6, S6.	1.5	20

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73	Network Medicine: Finding the Links to Personalized Therapy. Clinical Pharmacology and Therapeutics, 2013, 94, 613-616.	4.7	10
74	A neural network approach to multi-biomarker panel discovery by high-throughput plasma proteomics profiling of breast cancer. BMC Proceedings, 2013, 7, S10.	1.6	11
75	Semantic Web meets Integrative Biology: a survey. Briefings in Bioinformatics, 2013, 14, 109-125.	6.5	50
76	Predicting adverse drug reaction profiles by integrating protein interaction networks with drug structures. Proteomics, 2013, 13, 313-324.	2.2	56
77	Transplanted Bone Marrow Stromal Cells and Bone Tissue Regeneration. , 2013, , 22-43.		0
78	Towards a Metadata Model for Mass-Spectrometry Based Clinical Proteomics. Current Bioinformatics, 2012, 7, 246-254.	1.5	0
79	Network Expansion and Pathway Enrichment Analysis towards Biologically Significant Findings from Microarrays. Journal of Integrative Bioinformatics, 2012, 9, 113-125.	1.5	1
80	An evaluation for merging signaling pathways by using protein-protein interaction data. , 2012, , .		2
81	Multi-biomarker panel selection on a GPU. , 2012, , .		2
82	Reordering based integrative expression profiling for microarray classification. BMC Bioinformatics, 2012, 13, S1.	2.6	15
83	Experimental investigation on pressure fluctuation of cryogenic liquid transport in pitching motion. Cryogenics, 2012, 52, 530-537.	1.7	5
84	PAGED: a pathway and gene-set enrichment database to enable molecular phenotype discoveries. BMC Bioinformatics, 2012, 13, S2.	2.6	18
85	C2Maps: a network pharmacology database with comprehensive disease-gene-drug connectivity relationships. BMC Genomics, 2012, 13, S17.	2.8	33
86	Genome-wide meta-analysis of genetic susceptible genes for Type 2 Diabetes. BMC Systems Biology, 2012, 6, S16.	3.0	34
87	Biological Knowledge Discovery and Data Mining. Scientific Programming, 2012, 20, 1-2.	0.7	3
88	Sustained release of adiponectin improves osteogenesis around hydroxyapatite implants by suppressing osteoclast activity in ovariectomized rabbits. Acta Biomaterialia, 2012, 8, 734-743.	8.3	44
89	Network expansion and pathway enrichment analysis towards biologically significant findings from microarrays. Journal of Integrative Bioinformatics, 2012, 9, 213.	1.5	2
90	A Network Biology Approach to Predicting Drug Cardiotoxicity. , 2011, , .		2

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91	Roles of SATB2 in Osteogenic Differentiation and Bone Regeneration. Tissue Engineering - Part A, 2011, 17, 1767-1776.	3.1	85
92	Predicting drug efficacy based on the integrated breast cancer pathway model. , 2011, , .		4
93	Personal genome privacy protection with feature-based hierarchical dual-stage encryption. , 2011, , .		1
94	Computational Analysis of Drought Stress-Associated miRNAs and miRNA Co-Regulation Network in Physcomitrella patens. Genomics, Proteomics and Bioinformatics, 2011, 9, 37-44.	6.9	26
95	The use of injectable sonication-induced silk hydrogel for VEGF165 and BMP-2 delivery for elevation of the maxillary sinus floor. Biomaterials, 2011, 32, 9415-9424.	11.4	255
96	Data Mining Methods in Omics-Based Biomarker Discovery. Methods in Molecular Biology, 2011, 719, 511-526.	0.9	6
97	Critical-size calvarial bone defects healing in a mouse model with silk scaffolds and SATB2-modified iPSCs. Biomaterials, 2011, 32, 5065-5076.	11.4	148
98	An integrated proteomics analysis of bone tissues in response to mechanical stimulation. BMC Systems Biology, 2011, 5, S7.	3.0	22
99	HOMER: a human organ-specific molecular electronic repository. BMC Bioinformatics, 2011, 12, S4.	2.6	19
100	New threats to health data privacy. BMC Bioinformatics, 2011, 12, S7.	2.6	25
101	Predicting adverse side effects of drugs. BMC Genomics, 2011, 12, S11.	2.8	105
102	Application of induced pluripotent stem (iPS) cells in periodontal tissue regeneration. Journal of Cellular Physiology, 2011, 226, 150-157.	4.1	175
103	Effects of miR-335-5p in modulating osteogenic differentiation by specifically downregulating Wnt antagonist DKK1. Journal of Bone and Mineral Research, 2011, 26, 1953-1963.	2.8	257
104	Adiponectin Inhibits Osteoclastogenesis and Bone Resorption via APPL1-mediated Suppression of Akt1. Journal of Biological Chemistry, 2011, 286, 12542-12553.	3.4	100
105	Systems-Scale Analysis Reveals Pathways Involved in Cellular Response to Methamphetamine. PLoS ONE, 2011, 6, e18215.	2.5	20
106	Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine. , 2011, , 1-27.		2
107	Random walk ranking guided by disease association networks for lung cancer biomarker discovery. , 2010, , .		0
108	PEPPI: a peptidomic database of human protein isoforms for proteomics experiments. BMC Bioinformatics, 2010, 11, S7.	2.6	21

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109	Discovery of pathway biomarkers from coupled proteomics and systems biology methods. BMC Genomics, 2010, 11, S12.	2.8	28
110	A new approach to construct pathway connected networks and its application in dose responsive gene expression profiles of rat liver regulated by 2,4DNT. BMC Genomics, 2010, 11, S4.	2.8	5
111	A GMM-IG framework for selecting genes as expression panel biomarkers. Artificial Intelligence in Medicine, 2010, 48, 75-82.	6.5	9
112	Bowman–Birk inhibitor affects pathways associated with energy metabolism in <i>Drosophila melanogaster</i>. Insect Molecular Biology, 2010, 19, 303-313.	2.0	14
113	Gene Terrain: Visual Exploration of Differential Gene Expression Profiles Organized in Native Biomolecular Interaction Networks. Information Visualization, 2010, 9, 1-12.	1.9	7
114	Unraveling human complexity and disease with systems biology and personalized medicine. Personalized Medicine, 2010, 7, 275-289.	1.5	50
115	Data Mining in Bioinformatics: Selected Papers from BIOKDD. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2010, 7, 195-196.	3.0	4
116	Discovering breast cancer drug candidates from biomedical literature. International Journal of Data Mining and Bioinformatics, 2010, 4, 241.	0.1	5
117	Breast cancer plasma protein biomarker discovery by coupling LC-MS/MS proteomics and systems biology. , 2010, , .		0
118	Systems biology visualization tools for drug target discovery. Expert Opinion on Drug Discovery, 2010, 5, 425-439.	5.0	8
119	RIC: Ranking with Interaction Chains and Its Application in Computational Clinical Proteomics Studies. , 2009, , .		0
120	Network topological reordering revealing systemic patterns in yeast protein interaction networks. , 2009, 2009, 6954-7.		4
121	Disease gene-fishing in molecular interaction networks: A case study in colorectal cancer. , 2009, 2009, 6416-9.		6
122	Semantic web for integrated network analysis in biomedicine. Briefings in Bioinformatics, 2009, 10, 177-192.	6.5	43
123	Building Disease-Specific Drug-Protein Connectivity Maps from Molecular Interaction Networks and PubMed Abstracts. PLoS Computational Biology, 2009, 5, e1000450.	3.2	158
124	HPD: an online integrated human pathway database enabling systems biology studies. BMC Bioinformatics, 2009, 10, S5.	2.6	42
125	HAPPI: an online database of comprehensive human annotated and predicted protein interactions. BMC Genomics, 2009, 10, S16.	2.8	133
126	Targeted overexpression of BSP in osteoclasts promotes bone metastasis of breast cancer cells. Journal of Cellular Physiology, 2009, 218, 135-145.	4.1	35

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127	Applications of transgenics in studies of bone sialoprotein. Journal of Cellular Physiology, 2009, 220, 30-34.	4.1	12
128	Dissecting the human plasma proteome and inflammatory response biomarkers. Proteomics, 2009, 9, 470-484.	2.2	20
129	Mandibular repair in rats with premineralized silk scaffolds and BMP-2-modified bMSCs. Biomaterials, 2009, 30, 4522-4532.	11.4	194
130	Apatite-coated silk fibroin scaffolds to healing mandibular border defects in canines. Bone, 2009, 45, 517-527.	2.9	109
131	A neural network approach to multi-biomarker panel development based on LC/MS/MS proteomics profiles: A case study in breast cancer. , 2009, , .		1
132	Data mining for biomarker discovery: The time is ripe. , 2009, , .		0
133	Seed-weighted random walks ranking method and its application to leukemia cancer biomarker prioritizations. , 2009, , .		0
134	Visualizing a Correlative Multi-level Graph of Biology Entity Interactions. , 2009, , .		0
135	Toward Ontology-Driven Omics Data Integration in Current Database Management Systems. , 2009, , .		0
136	Finding fractal patterns in molecular interaction networks: a case study in Alzheimer's disease. International Journal of Computational Biology and Drug Design, 2009, 2, 340.	0.3	7
137	Connecting Protein Interaction Data, Mutations, and Disease Using Bioinformatics. Methods in Molecular Biology, 2009, 541, 449-461.	0.9	11
138	Design of an Online Physician-Mediated Personal Health Record System. Studies in Computational Intelligence, 2009, , 265-279.	0.9	0
139	Haploinsufficiency of <i>Runx2</i> results in bone formation decrease and different BSP expression pattern changes in two transgenic mouse models. Journal of Cellular Physiology, 2008, 217, 40-47.	4.1	36
140	Overexpression of Bone Sialoprotein Leads to an Uncoupling of Bone Formation and Bone Resorption in Mice. Journal of Bone and Mineral Research, 2008, 23, 1775-1788.	2.8	46
141	Expression of Osterix in mechanical stress–induced osteogenic differentiation of periodontal ligament cells <i>in vitro</i>. European Journal of Oral Sciences, 2008, 116, 199-206.	1.5	58
142	ProteoLens: a visual analytic tool for multi-scale database-driven biological network data mining. BMC Bioinformatics, 2008, 9, S5.	2.6	30
143	Gene Selection using the GMM-IG Framework based Integrative Analysis. , 2008, , .		1
144	INTRODUCTION. Journal of Bioinformatics and Computational Biology, 2008, 06, v-vi.	0.8	0

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145	A SYSTEMS BIOLOGY APPROACH TO THE STUDY OF CISPLATIN DRUG RESISTANCE IN OVARIAN CANCERS. Journal of Bioinformatics and Computational Biology, 2007, 05, 383-405.	0.8	19
146	Osterix Overexpression in Mesenchymal Stem Cells Stimulates Healing of Critical-Sized Defects in Murine Calvarial Bone. Tissue Engineering, 2007, 13, 2431-2440.	4.6	99
147	A case study of integrating protein interaction data using semantic web technology. International Journal of Bioinformatics Research and Applications, 2007, 3, 286.	0.2	16
148	Tumor Necrosis Factor-Î±- and Interleukin-1-Induced Cellular Responses:Â Coupling Proteomic and Genomic Information. Journal of Proteome Research, 2007, 6, 2176-2185.	3.7	54
149	Effects of Platelet Concentrate on Palatal Wound Healing After Connective Tissue Graft Harvesting. Journal of Periodontology, 2007, 78, 601-610.	3.4	44
150	DisProt: the Database of Disordered Proteins. Nucleic Acids Research, 2007, 35, D786-D793.	14.5	711
151	Cbfa1/Runx2-deficiency delays bone wound healing and locally delivered Cbfa1/Runx2 promotes bone repair in animal models. Wound Repair and Regeneration, 2007, 15, 404-412.	3.0	35
152	Disorder and Sequence Repeats in Hub Proteins and Their Implications for Network Evolution. Journal of Proteome Research, 2006, 5, 2985-2995.	3.7	312
153	Osterix enhances proliferation and osteogenic potential of bone marrow stromal cells. Biochemical and Biophysical Research Communications, 2006, 341, 1257-1265.	2.1	121
154	A statistical framework to discover true associations from multiprotein complex pull-down proteomics data sets. Proteins: Structure, Function and Bioinformatics, 2006, 64, 436-443.	2.6	3
155	Porous silk fibroin 3-D scaffolds for delivery of bone morphogenetic protein-2in vitro andin vivo. Journal of Biomedical Materials Research - Part A, 2006, 78A, 324-334.	4.0	201
156	A SYSTEMS BIOLOGY CASE STUDY OF OVARIAN CANCER DRUG RESISTANCE. , 2006, , .		13
157	A systems biology case study of ovarian cancer drug resistance. Computational Systems Bioinformatics / Life Sciences Society Computational Systems Bioinformatics Conference, 2006, , 389-98.	0.4	8
158	An In Vivo Model to Study Osteogenic Gene Regulation: Targeting an Avian Retroviral Receptor (TVA) to Bone With the Bone Sialoprotein (BSP) Promoter. Journal of Bone and Mineral Research, 2005, 20, 1403-1413.	2.8	14
159	BSP and RANKL Induce Osteoclastogenesis and Bone Resorption Synergistically. Journal of Bone and Mineral Research, 2005, 20, 1669-1679.	2.8	67
160	Data mining in protein interactomics. IEEE Engineering in Medicine and Biology Magazine, 2005, 24, 95-102.	0.8	10
161	Silk implants for the healing of critical size bone defects. Bone, 2005, 37, 688-698.	2.9	416
162	Oracle Database 10g: a platform for BLAST search and Regular Expression pattern matching in life sciences. Nucleic Acids Research, 2004, 33, D675-D679.	14.5	32

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163	Autoregulation of bone sialoprotein gene in pre-osteoblastic and non-osteoblastic cells. Biochemical and Biophysical Research Communications, 2004, 316, 461-467.	2.1	15
164	Genomic data modeling. Information Systems, 2003, 28, 287-310.	3.6	21
165	Over-expression of bone sialoprotein enhances bone metastasis of human breast cancer cells in a mouse model. International Journal of Oncology, 2003, 23, 1043-8.	3.3	19
166	Initial large-scale exploration of protein-protein interactions in human brain. Proceedings, 2003, 2, 229-34.	0.1	4
167	Altered Expression of Bone Sialoproteins in Vitamin D-Deficient rBSP2.7Luc Transgenic Mice. Journal of Bone and Mineral Research, 1999, 14, 221-229.	2.8	33
168	Molecular Interaction Networks: Topological and Functional Characterizations. , 0, , 145-174.		7
169	Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine. , 0, , 1378-1404.		1
170	The Periodontal Pathogen Fusobacterium nucleatum Exacerbates Alzheimer's Pathogenesis via Specific Pathways. Frontiers in Aging Neuroscience, 0, 14, .	3.4	14