

# Jake Y Chen

## 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.

151  
papers

5,146  
citations

35  
h-index

69  
g-index

179  
ext. papers

5,976  
ext. citations

5.4  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
151	A novel adiponectin receptor agonist (AdipoAI) ameliorates type 2 diabetes-associated periodontitis by enhancing autophagy in osteoclasts.. <i>Journal of Periodontal Research</i> , <b>2022</b> ,	4.3	1
150	A nonredundant role for T $\beta$ cell-derived interleukin 22 in antibacterial defense of colonic crypts.. <i>Immunity</i> , <b>2022</b> , 55, 494-511.e11	32.3	3
149	PAGER Web APP: An Interactive, Online Gene Set and Network Interpretation Tool for Functional Genomics.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 820361	4.5	0
148	Identification and Characterization of a Novel Long Noncoding RNA that Regulates Osteogenesis in Diet-Induced Obesity Mice.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 832460	5.7	0
147	Polar Gini Curve: A Technique to Discover Gene Expression Spatial Patterns from Single-cell RNA-seq Data.. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> , 19, 493-493	6.5	0
146	Guest Editorial for Selected Papers From BOKDD 2019. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 809-810	3	
145	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. <i>Leukemia</i> , <b>2021</b> , 35, 3371-3382	11.7	2
144	Scalable De Novo Genome Assembly Using a Pregel-Like Graph-Parallel System. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 731-744	3	2
143	Identification and characterization of a novel adiponectin receptor agonist adipo anti-inflammation agonist and its anti-inflammatory effects in vitro and in vivo. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 280-297	8.6	6
142	PAGER-CoV: a comprehensive collection of pathways, annotated gene-lists and gene signatures for coronavirus disease studies. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D589-D599	20.1	4
141	Biological Network Mining. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2328, 139-151	1.4	
140	Linking clinotypes to phenotypes and genotypes from laboratory test results in comprehensive physical exams. <i>BMC Medical Informatics and Decision Making</i> , <b>2021</b> , 21, 51	3.6	2
139	Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. <i>Archives of Oral Biology</i> , <b>2021</b> , 129, 105207	2.8	0
138	Statistical Enrichment Analysis of Samples: A General-Purpose Tool to Annotate Metadata Neighborhoods of Biological Samples. <i>Frontiers in Big Data</i> , <b>2021</b> , 4, 725276	2.8	0
137	Roles and Mechanisms of Irisin in Attenuating Pathological Features of Osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 703670	5.7	4
136	IL-23 Promotes a Coordinated B Cell Germinal Center Program for Class-Switch Recombination to IgG2b in BXD2 Mice. <i>Journal of Immunology</i> , <b>2020</b> , 205, 346-358	5.3	1
135	Decoding SARS-CoV-2 hijacking of host mitochondria in COVID-19 pathogenesis. <i>American Journal of Physiology - Cell Physiology</i> , <b>2020</b> , 319, C258-C267	5.4	123

134	CBIO-12. THE ROLES OF lncRNAs IN GBM RADIATION RESISTANCE AND TUMOR RECURRENCE. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii18-ii18	1	
133	Potential roles of miR-335-5p on pathogenesis of experimental periodontitis. <i>Journal of Periodontal Research</i> , <b>2020</b> , 55, 191-198	4.3	11
132	AdipoRon promotes diabetic fracture repair through endochondral ossification-based bone repair by enhancing survival and differentiation of chondrocytes. <i>Experimental Cell Research</i> , <b>2020</b> , 387, 111754-111757	4.2	4
131	Identifying the key regulators that promote cell-cycle activity in the hearts of early neonatal pigs after myocardial injury. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232963	3.7	4
130	Polyvalent therapeutic vaccine for type 2 diabetes mellitus: Immunoinformatics approach to study co-stimulation of cytokines and GLUT1 receptors. <i>BMC Molecular and Cell Biology</i> , <b>2020</b> , 21, 56	2.7	1
129	Guest Editorial for Selected Papers from BLOKDD 2018 and DMBIH 2018. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2020</b> , 17, 1832-1834	3	0
128	Graft-Versus-Host Disease-Free Antitumoral Signature After Allogeneic Donor Lymphocyte Injection Identified by Proteomics and Systems Biology. <i>JCO Precision Oncology</i> , <b>2019</b> , 3,	3.6	2
127	BEERE: a web server for biomedical entity expansion, ranking and explorations. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, W578-W586	20.1	1
126	A systematic simulation-based meta-analytical framework for prediction of physiological biomarkers in alopecia. <i>Journal of Biological Research</i> , <b>2019</b> , 26, 2	2.4	5
125	Gsslasso Cox: a Bayesian hierarchical model for predicting survival and detecting associated genes by incorporating pathway information. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 94	3.6	5
124	WIPER: Weighted in-Path Edge Ranking for biomolecular association networks. <i>Quantitative Biology</i> , <b>2019</b> , 7, 313-326	3.9	3
123	Association of CMV genomic mutations with symptomatic infection and hearing loss in congenital CMV infection. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 1046	4	5
122	Central adiponectin induces trabecular bone mass partly through epigenetic downregulation of cannabinoid receptor CB1. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 7062-7069	7	4
121	PAGER 2.0: an update to the pathway, annotated-list and gene-signature electronic repository for Human Network Biology. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D668-D676	20.1	10
120	"Super Gene Set" Causal Relationship Discovery from Functional Genomics Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> , 15, 1991-1998	3	1
119	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. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 380	5.7	2
118	Regenerative Potential of Neonatal Porcine Hearts. <i>Circulation</i> , <b>2018</b> , 138, 2809-2816	16.7	110
117	Multiscale and Multimodal Analysis for Computational Biology. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> , 15, 1951-1952	3	1

116	A novel Lipidoid-MicroRNA formulation promotes calvarial bone regeneration. <i>Biomaterials</i> , <b>2018</b> , 177, 88-97	15.6	33
115	Runx2/DICER/miRNA Pathway in Regulating Osteogenesis. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 182-91	7	28
114	HAPPI-2: a Comprehensive and High-quality Map of Human Annotated and Predicted Protein Interactions. <i>BMC Genomics</i> , <b>2017</b> , 18, 182	4.5	30
113	Exercise-induced irisin in bone and systemic irisin administration reveal new regulatory mechanisms of bone metabolism. <i>Bone Research</i> , <b>2017</b> , 5, 16056	13.3	72
112	Repositioning drugs by targeting network modules: a Parkinson's disease case study. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 532	3.6	16
111	Integrative Approaches to Understanding the Pathogenic Role of Genetic Variation in Rheumatic Diseases. <i>Rheumatic Disease Clinics of North America</i> , <b>2017</b> , 43, 449-466	2.4	6
110	Overexpression of MiR-335-5p Promotes Bone Formation and Regeneration in Mice. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 2466-2475	6.3	58
109	Cellular Signaling Pathways in Insulin Resistance-Systems Biology Analyses of Microarray Dataset Reveals New Drug Target Gene Signatures of Type 2 Diabetes Mellitus. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 13	4.6	14
108	Bone Tissue Regeneration - Application of Mesenchymal Stem Cells and Cellular and Molecular Mechanisms. <i>Current Stem Cell Research and Therapy</i> , <b>2017</b> , 12, 357-364	3.6	17
107	Characterization and analysis of long non-coding rna (lncRNA) in In Vitro- and Ex Vivo-derived cardiac progenitor cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180096	3.7	2
106	A method for identifying discriminative isoform-specific peptides for clinical proteomics application. <i>BMC Genomics</i> , <b>2016</b> , 17 Suppl 7, 522	4.5	8
105	DTMBIO 2016 <b>2016</b> ,		1
104	Proteomic Characterization Reveals That MMP-3 Correlates With Bronchiolitis Obliterans Syndrome Following Allogeneic Hematopoietic Cell and Lung Transplantation. <i>American Journal of Transplantation</i> , <b>2016</b> , 16, 2342-51	8.7	20
103	Epigenetic Modulation in Periodontitis: Interaction of Adiponectin and JMJD3-IRF4 Axis in Macrophages. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 1090-6	7	30
102	<b>2016</b> ,		1
101	DMAP: a connectivity map database to enable identification of novel drug repositioning candidates. <i>BMC Bioinformatics</i> , <b>2015</b> , 16 Suppl 13, S4	3.6	31
100	A method for developing regulatory gene set networks to characterize complex biological systems. <i>BMC Genomics</i> , <b>2015</b> , 16 Suppl 11, S4	4.5	1
99	MicroRNA Expression Profiling of Human Respiratory Epithelium Affected by Invasive Candida Infection. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136454	3.7	18

98	Epigenetically Modified Bone Marrow Stromal Cells in Silk Scaffolds Promote Craniofacial Bone Repair and Wound Healing. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2156-65	3.9	17
97	PAGER: constructing PAGs and new PAG-PAG relationships for network biology. <i>Bioinformatics</i> , <b>2015</b> , 31, i250-7	7.2	14
96	Predictive and preventive models for diabetes prevention using clinical information in electronic health record <b>2015</b> ,		1
95	Adiponectin regulates bone marrow mesenchymal stem cell niche through a unique signal transduction pathway: an approach for treating bone disease in diabetes. <i>Stem Cells</i> , <b>2015</b> , 33, 240-52	5.8	50
94	MicroRNA expression signature for Satb2-induced osteogenic differentiation in bone marrow stromal cells. <i>Molecular and Cellular Biochemistry</i> , <b>2014</b> , 387, 227-39	4.2	41
93	Prioritizing drug targets in Clostridium botulinum with a computational systems biology approach. <i>Genomics</i> , <b>2014</b> , 104, 24-35	4.3	22
92	Pathway and network analysis in proteomics. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 362, 44-52	2.3	64
91	Seed-weighted random walk ranking for cancer biomarker prioritisation: a case study in leukaemia. <i>International Journal of Data Mining and Bioinformatics</i> , <b>2014</b> , 9, 135-48	0.5	3
90	SLDR: a computational technique to identify novel genetic regulatory relationships. <i>BMC Bioinformatics</i> , <b>2014</b> , 15 Suppl 11, S1	3.6	0
89	Central adiponectin administration reveals new regulatory mechanisms of bone metabolism in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1418-30	6	48
88	Adiponectin ameliorates experimental periodontitis in diet-induced obesity mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e97824	3.7	27
87	Computational Identification of De-Centric Genetic Regulatory Relationships from Functional Genomic Data. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 224-235	0.9	
86	Breast cancer subtyping from plasma proteins. <i>BMC Medical Genomics</i> , <b>2013</b> , 6 Suppl 1, S6	3.7	17
85	A neural network approach to multi-biomarker panel discovery by high-throughput plasma proteomics profiling of breast cancer. <i>BMC Proceedings</i> , <b>2013</b> , 7, S10	2.3	8
84	Semantic Web meets Integrative Biology: a survey. <i>Briefings in Bioinformatics</i> , <b>2013</b> , 14, 109-25	13.4	39
83	Predicting adverse drug reaction profiles by integrating protein interaction networks with drug structures. <i>Proteomics</i> , <b>2013</b> , 13, 313-24	4.8	43
82	Transplanted Bone Marrow Stromal Cells and Bone Tissue Regeneration <b>2013</b> , 22-43		
81	Reordering based integrative expression profiling for microarray classification. <i>BMC Bioinformatics</i> , <b>2012</b> , 13 Suppl 2, S1	3.6	12

80	Experimental investigation on pressure fluctuation of cryogenic liquid transport in pitching motion. <i>Cryogenics</i> , <b>2012</b> , 52, 530-537	1.8	5
79	PAGED: a pathway and gene-set enrichment database to enable molecular phenotype discoveries. <i>BMC Bioinformatics</i> , <b>2012</b> , 13 Suppl 15, S2	3.6	16
78	CIMaps: a network pharmacology database with comprehensive disease-gene-drug connectivity relationships. <i>BMC Genomics</i> , <b>2012</b> , 13 Suppl 6, S17	4.5	18
77	Genome-wide meta-analysis of genetic susceptible genes for Type 2 Diabetes. <i>BMC Systems Biology</i> , <b>2012</b> , 6 Suppl 3, S16	3.5	28
76	Biological Knowledge Discovery and Data Mining. <i>Scientific Programming</i> , <b>2012</b> , 20, 1-2	1.4	
75	Sustained release of adiponectin improves osteogenesis around hydroxyapatite implants by suppressing osteoclast activity in ovariectomized rabbits. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 734-43	10.8	38
74	Towards a Metadata Model for Mass-Spectrometry Based Clinical Proteomics. <i>Current Bioinformatics</i> , <b>2012</b> , 7, 246-254	4.7	
73	Network Expansion and Pathway Enrichment Analysis towards Biologically Significant Findings from Microarrays. <i>Journal of Integrative Bioinformatics</i> , <b>2012</b> , 9, 113-125	3.8	1
72	Network expansion and pathway enrichment analysis towards biologically significant findings from microarrays. <i>Journal of Integrative Bioinformatics</i> , <b>2012</b> , 9, 213	3.8	2
71	Computational analysis of drought stress-associated miRNAs and miRNA co-regulation network in <i>Physcomitrella patens</i> . <i>Genomics, Proteomics and Bioinformatics</i> , <b>2011</b> , 9, 37-44	6.5	20
70	The use of injectable sonication-induced silk hydrogel for VEGF(165) and BMP-2 delivery for elevation of the maxillary sinus floor. <i>Biomaterials</i> , <b>2011</b> , 32, 9415-24	15.6	213
69	Data mining methods in Omics-based biomarker discovery. <i>Methods in Molecular Biology</i> , <b>2011</b> , 719, 511-24	2.6	5
68	Critical-size calvarial bone defects healing in a mouse model with silk scaffolds and SATB2-modified iPSCs. <i>Biomaterials</i> , <b>2011</b> , 32, 5065-76	15.6	133
67	An integrated proteomics analysis of bone tissues in response to mechanical stimulation. <i>BMC Systems Biology</i> , <b>2011</b> , 5 Suppl 3, S7	3.5	16
66	HOMER: a human organ-specific molecular electronic repository. <i>BMC Bioinformatics</i> , <b>2011</b> , 12 Suppl 10, S4	3.6	13
65	New threats to health data privacy. <i>BMC Bioinformatics</i> , <b>2011</b> , 12 Suppl 12, S7	3.6	20
64	Predicting adverse side effects of drugs. <i>BMC Genomics</i> , <b>2011</b> , 12 Suppl 5, S11	4.5	79
63	Application of induced pluripotent stem (iPS) cells in periodontal tissue regeneration. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 150-7	7	150

62	Effects of miR-335-5p in modulating osteogenic differentiation by specifically downregulating Wnt antagonist DKK1. <i>Journal of Bone and Mineral Research</i> , <b>2011</b> , 26, 1953-63	6.3	207
61	A Network Biology Approach to Predicting Drug Cardiotoxicity <b>2011</b> ,		1
60	Roles of SATB2 in osteogenic differentiation and bone regeneration. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 1767-76	3.9	73
59	Predicting drug efficacy based on the integrated breast cancer pathway model <b>2011</b> ,		4
58	Adiponectin inhibits osteoclastogenesis and bone resorption via APPL1-mediated suppression of Akt1. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 12542-53	5.4	83
57	Systems-scale analysis reveals pathways involved in cellular response to methamphetamine. <i>PLoS ONE</i> , <b>2011</b> , 6, e18215	3.7	17
56	Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine <b>2011</b> , 1-27		2
55	Bowman-Birk inhibitor affects pathways associated with energy metabolism in <i>Drosophila melanogaster</i> . <i>Insect Molecular Biology</i> , <b>2010</b> , 19, 303-13	3.4	12
54	Gene Terrain: Visual Exploration of Differential Gene Expression Profiles Organized in Native Biomolecular Interaction Networks. <i>Information Visualization</i> , <b>2010</b> , 9, 1-12	2.4	5
53	Unraveling human complexity and disease with systems biology and personalized medicine. <i>Personalized Medicine</i> , <b>2010</b> , 7, 275-289	2.2	42
52	Data mining in bioinformatics: selected papers from BIODDD. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2010</b> , 7, 195-6	3	3
51	Discovering breast cancer drug candidates from biomedical literature. <i>International Journal of Data Mining and Bioinformatics</i> , <b>2010</b> , 4, 241-55	0.5	3
50	Systems biology visualization tools for drug target discovery. <i>Expert Opinion on Drug Discovery</i> , <b>2010</b> , 5, 425-39	6.2	5
49	PEPPI: a peptidomic database of human protein isoforms for proteomics experiments. <i>BMC Bioinformatics</i> , <b>2010</b> , 11 Suppl 6, S7	3.6	17
48	Discovery of pathway biomarkers from coupled proteomics and systems biology methods. <i>BMC Genomics</i> , <b>2010</b> , 11 Suppl 2, S12	4.5	22
47	A new approach to construct pathway connected networks and its application in dose responsive gene expression profiles of rat liver regulated by 2,4DNT. <i>BMC Genomics</i> , <b>2010</b> , 11 Suppl 3, S4	4.5	4
46	A GMM-IG framework for selecting genes as expression panel biomarkers. <i>Artificial Intelligence in Medicine</i> , <b>2010</b> , 48, 75-82	7.4	4
45	Network topological reordering revealing systemic patterns in yeast protein interaction networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 6954-7	0.9	2

44	Disease gene-fishing in molecular interaction networks: a case study in colorectal cancer. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 6416-9	0.9	2
43	Semantic web for integrated network analysis in biomedicine. <i>Briefings in Bioinformatics</i> , <b>2009</b> , 10, 177-92	3.4	39
42	Building disease-specific drug-protein connectivity maps from molecular interaction networks and PubMed abstracts. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000450	5	130
41	HPD: an online integrated human pathway database enabling systems biology studies. <i>BMC Bioinformatics</i> , <b>2009</b> , 10 Suppl 11, S5	3.6	32
40	HAPPI: an online database of comprehensive human annotated and predicted protein interactions. <i>BMC Genomics</i> , <b>2009</b> , 10 Suppl 1, S16	4.5	99
39	Targeted overexpression of BSP in osteoclasts promotes bone metastasis of breast cancer cells. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 218, 135-45	7	32
38	Applications of transgenics in studies of bone sialoprotein. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 220, 30-47		9
37	Dissecting the human plasma proteome and inflammatory response biomarkers. <i>Proteomics</i> , <b>2009</b> , 9, 470-84	4.8	15
36	Mandibular repair in rats with premineralized silk scaffolds and BMP-2-modified bMSCs. <i>Biomaterials</i> , <b>2009</b> , 30, 4522-32	15.6	176
35	Apatite-coated silk fibroin scaffolds to healing mandibular border defects in canines. <i>Bone</i> , <b>2009</b> , 45, 517-27	4.7	94
34	Finding fractal patterns in molecular interaction networks: a case study in Alzheimer's disease. <i>International Journal of Computational Biology and Drug Design</i> , <b>2009</b> , 2, 340-52	0.4	6
33	Connecting protein interaction data, mutations, and disease using bioinformatics. <i>Methods in Molecular Biology</i> , <b>2009</b> , 541, 449-61	1.4	8
32	Design of an Online Physician-Mediated Personal Health Record System. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 265-279	0.8	
31	ProteoLens: a visual analytic tool for multi-scale database-driven biological network data mining. <i>BMC Bioinformatics</i> , <b>2008</b> , 9 Suppl 9, S5	3.6	18
30	Gene Selection using the GMM-IG Framework based Integrative Analysis <b>2008</b> ,		1
29	Haploinsufficiency of Runx2 results in bone formation decrease and different BSP expression pattern changes in two transgenic mouse models. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 217, 40-7	7	35
28	Overexpression of bone sialoprotein leads to an uncoupling of bone formation and bone resorption in mice. <i>Journal of Bone and Mineral Research</i> , <b>2008</b> , 23, 1775-88	6.3	43
27	Expression of Osterix in mechanical stress-induced osteogenic differentiation of periodontal ligament cells in vitro. <i>European Journal of Oral Sciences</i> , <b>2008</b> , 116, 199-206	2.3	43



26	Effects of platelet concentrate on palatal wound healing after connective tissue graft harvesting. <i>Journal of Periodontology</i> , <b>2007</b> , 78, 601-10	4.6	37
25	DisProt: the Database of Disordered Proteins. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, D786-93	20.1	631
24	Cbfa1/Runx2-deficiency delays bone wound healing and locally delivered Cbfa1/Runx2 promotes bone repair in animal models. <i>Wound Repair and Regeneration</i> , <b>2007</b> , 15, 404-12	3.6	28
23	A systems biology approach to the study of cisplatin drug resistance in ovarian cancers. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2007</b> , 5, 383-405	1	18
22	Osterix overexpression in mesenchymal stem cells stimulates healing of critical-sized defects in murine calvarial bone. <i>Tissue Engineering</i> , <b>2007</b> , 13, 2431-40		89
21	A case study of integrating protein interaction data using semantic web technology. <i>International Journal of Bioinformatics Research and Applications</i> , <b>2007</b> , 3, 286-302	0.9	10
20	Tumor Necrosis Factor-alpha- and interleukin-1-induced cellular responses: coupling proteomic and genomic information. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 2176-85	5.6	23
19	Porous silk fibroin 3-D scaffolds for delivery of bone morphogenetic protein-2 in vitro and in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 78, 324-34	5.4	185
18	Disorder and sequence repeats in hub proteins and their implications for network evolution. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2985-95	5.6	273
17	Osterix enhances proliferation and osteogenic potential of bone marrow stromal cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 341, 1257-65	3.4	107
16	A statistical framework to discover true associations from multiprotein complex pull-down proteomics data sets. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 64, 436-43	4.2	3
15	A SYSTEMS BIOLOGY CASE STUDY OF OVARIAN CANCER DRUG RESISTANCE <b>2006</b> ,		11
14	A systems biology case study of ovarian cancer drug resistance. <i>Computational Systems Bioinformatics / Life Sciences Society Computational Systems Bioinformatics Conference</i> , <b>2006</b> , 389-98		8
13	Silk implants for the healing of critical size bone defects. <i>Bone</i> , <b>2005</b> , 37, 688-98	4.7	371
12	Oracle Database 10g: a platform for BLAST search and Regular Expression pattern matching in life sciences. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, D675-9	20.1	24
11	An in vivo model to study osteogenic gene regulation: targeting an avian retroviral receptor (TVA) to bone with the bone sialoprotein (BSP) promoter. <i>Journal of Bone and Mineral Research</i> , <b>2005</b> , 20, 1403-13	6.3	13
10	BSP and RANKL induce osteoclastogenesis and bone resorption synergistically. <i>Journal of Bone and Mineral Research</i> , <b>2005</b> , 20, 1669-79	6.3	56
9	Data mining in protein interactomics. Six computational research challenges and opportunities. <i>IEEE Engineering in Medicine and Biology Magazine</i> , <b>2005</b> , 24, 95-102		7

8	Autoregulation of bone sialoprotein gene in pre-osteoblastic and non-osteoblastic cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 316, 461-7	3.4	15
7	Genomic data modeling. <i>Information Systems</i> , <b>2003</b> , 28, 287-310	2.7	14
6	Over-expression of bone sialoprotein enhances bone metastasis of human breast cancer cells in a mouse model. <i>International Journal of Oncology</i> , <b>2003</b> , 23, 1043-8	1	19
5	Initial large-scale exploration of protein-protein interactions in human brain <b>2003</b> , 2, 229-34		4
4	Altered expression of bone sialoproteins in vitamin D-deficient rBSP2.7Luc transgenic mice. <i>Journal of Bone and Mineral Research</i> , <b>1999</b> , 14, 221-9	6.3	29
3	Molecular Interaction Networks: Topological and Functional Characterizations 145-174		4
2	Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine 1378-1404		
1	Techniques for Prioritization of Candidate Disease Genes 307-324		1