

Jake Y Chen

List of Publications by Citations

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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 | DisProt: the Database of Disordered Proteins. <i>Nucleic Acids Research</i> , 2007 , 35, D786-93 | 20.1 | 631 |
| 150 | Silk implants for the healing of critical size bone defects. <i>Bone</i> , 2005 , 37, 688-98 | 4.7 | 371 |
| 149 | Disorder and sequence repeats in hub proteins and their implications for network evolution. <i>Journal of Proteome Research</i> , 2006 , 5, 2985-95 | 5.6 | 273 |
| 148 | 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> , 2011 , 32, 9415-24 | 15.6 | 213 |
| 147 | Effects of miR-335-5p in modulating osteogenic differentiation by specifically downregulating Wnt antagonist DKK1. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1953-63 | 6.3 | 207 |
| 146 | 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> , 2006 , 78, 324-34 | 5.4 | 185 |
| 145 | Mandibular repair in rats with premineralized silk scaffolds and BMP-2-modified bMSCs. <i>Biomaterials</i> , 2009 , 30, 4522-32 | 15.6 | 176 |
| 144 | Application of induced pluripotent stem (iPS) cells in periodontal tissue regeneration. <i>Journal of Cellular Physiology</i> , 2011 , 226, 150-7 | 7 | 150 |
| 143 | Critical-size calvarial bone defects healing in a mouse model with silk scaffolds and SATB2-modified iPSCs. <i>Biomaterials</i> , 2011 , 32, 5065-76 | 15.6 | 133 |
| 142 | Building disease-specific drug-protein connectivity maps from molecular interaction networks and PubMed abstracts. <i>PLoS Computational Biology</i> , 2009 , 5, e1000450 | 5 | 130 |
| 141 | Decoding SARS-CoV-2 hijacking of host mitochondria in COVID-19 pathogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C258-C267 | 5.4 | 123 |
| 140 | Regenerative Potential of Neonatal Porcine Hearts. <i>Circulation</i> , 2018 , 138, 2809-2816 | 16.7 | 110 |
| 139 | Osterix enhances proliferation and osteogenic potential of bone marrow stromal cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 341, 1257-65 | 3.4 | 107 |
| 138 | HAPPI: an online database of comprehensive human annotated and predicted protein interactions. <i>BMC Genomics</i> , 2009 , 10 Suppl 1, S16 | 4.5 | 99 |
| 137 | Apatite-coated silk fibroin scaffolds to healing mandibular border defects in canines. <i>Bone</i> , 2009 , 45, 517-27 | 4.7 | 94 |
| 136 | Osterix overexpression in mesenchymal stem cells stimulates healing of critical-sized defects in murine calvarial bone. <i>Tissue Engineering</i> , 2007 , 13, 2431-40 | | 89 |
| 135 | Adiponectin inhibits osteoclastogenesis and bone resorption via APPL1-mediated suppression of Akt1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12542-53 | 5.4 | 83 |

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|-----|---|------|----|
| 134 | Predicting adverse side effects of drugs. <i>BMC Genomics</i> , 2011 , 12 Suppl 5, S11 | 4.5 | 79 |
| 133 | Roles of SATB2 in osteogenic differentiation and bone regeneration. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1767-76 | 3.9 | 73 |
| 132 | Exercise-induced irisin in bone and systemic irisin administration reveal new regulatory mechanisms of bone metabolism. <i>Bone Research</i> , 2017 , 5, 16056 | 13.3 | 72 |
| 131 | Pathway and network analysis in proteomics. <i>Journal of Theoretical Biology</i> , 2014 , 362, 44-52 | 2.3 | 64 |
| 130 | Overexpression of MiR-335-5p Promotes Bone Formation and Regeneration in Mice. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2466-2475 | 6.3 | 58 |
| 129 | BSP and RANKL induce osteoclastogenesis and bone resorption synergistically. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 1669-79 | 6.3 | 56 |
| 128 | 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> , 2015 , 33, 240-52 | 5.8 | 50 |
| 127 | Central adiponectin administration reveals new regulatory mechanisms of bone metabolism in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1418-30 | 6 | 48 |
| 126 | Predicting adverse drug reaction profiles by integrating protein interaction networks with drug structures. <i>Proteomics</i> , 2013 , 13, 313-24 | 4.8 | 43 |
| 125 | Overexpression of bone sialoprotein leads to an uncoupling of bone formation and bone resorption in mice. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 1775-88 | 6.3 | 43 |
| 124 | Expression of Osterix in mechanical stress-induced osteogenic differentiation of periodontal ligament cells in vitro. <i>European Journal of Oral Sciences</i> , 2008 , 116, 199-206 | 2.3 | 43 |
| 123 | Unraveling human complexity and disease with systems biology and personalized medicine. <i>Personalized Medicine</i> , 2010 , 7, 275-289 | 2.2 | 42 |
| 122 | MicroRNA expression signature for Satb2-induced osteogenic differentiation in bone marrow stromal cells. <i>Molecular and Cellular Biochemistry</i> , 2014 , 387, 227-39 | 4.2 | 41 |
| 121 | Semantic Web meets Integrative Biology: a survey. <i>Briefings in Bioinformatics</i> , 2013 , 14, 109-25 | 13.4 | 39 |
| 120 | Semantic web for integrated network analysis in biomedicine. <i>Briefings in Bioinformatics</i> , 2009 , 10, 177-92 | 13.4 | 39 |
| 119 | Sustained release of adiponectin improves osteogenesis around hydroxyapatite implants by suppressing osteoclast activity in ovariectomized rabbits. <i>Acta Biomaterialia</i> , 2012 , 8, 734-43 | 10.8 | 38 |
| 118 | Effects of platelet concentrate on palatal wound healing after connective tissue graft harvesting. <i>Journal of Periodontology</i> , 2007 , 78, 601-10 | 4.6 | 37 |
| 117 | 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> , 2008 , 217, 40-7 | 7 | 35 |

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|-----|--|------|----|
| 116 | A novel Lipidoid-MicroRNA formulation promotes calvarial bone regeneration. <i>Biomaterials</i> , 2018 , 177, 88-97 | 15.6 | 33 |
| 115 | HPD: an online integrated human pathway database enabling systems biology studies. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 11, S5 | 3.6 | 32 |
| 114 | Targeted overexpression of BSP in osteoclasts promotes bone metastasis of breast cancer cells. <i>Journal of Cellular Physiology</i> , 2009 , 218, 135-45 | 7 | 32 |
| 113 | DMAP: a connectivity map database to enable identification of novel drug repositioning candidates. <i>BMC Bioinformatics</i> , 2015 , 16 Suppl 13, S4 | 3.6 | 31 |
| 112 | HAPPI-2: a Comprehensive and High-quality Map of Human Annotated and Predicted Protein Interactions. <i>BMC Genomics</i> , 2017 , 18, 182 | 4.5 | 30 |
| 111 | Epigenetic Modulation in Periodontitis: Interaction of Adiponectin and JMJD3-IRF4 Axis in Macrophages. <i>Journal of Cellular Physiology</i> , 2016 , 231, 1090-6 | 7 | 30 |
| 110 | Altered expression of bone sialoproteins in vitamin D-deficient rBSP2.7Luc transgenic mice. <i>Journal of Bone and Mineral Research</i> , 1999 , 14, 221-9 | 6.3 | 29 |
| 109 | Runx2/DICER/miRNA Pathway in Regulating Osteogenesis. <i>Journal of Cellular Physiology</i> , 2017 , 232, 182-91 | 7 | 28 |
| 108 | Genome-wide meta-analysis of genetic susceptible genes for Type 2 Diabetes. <i>BMC Systems Biology</i> , 2012 , 6 Suppl 3, S16 | 3.5 | 28 |
| 107 | Cbfa1/Runx2-deficiency delays bone wound healing and locally delivered Cbfa1/Runx2 promotes bone repair in animal models. <i>Wound Repair and Regeneration</i> , 2007 , 15, 404-12 | 3.6 | 28 |
| 106 | Adiponectin ameliorates experimental periodontitis in diet-induced obesity mice. <i>PLoS ONE</i> , 2014 , 9, e97824 | 3.7 | 27 |
| 105 | Oracle Database 10g: a platform for BLAST search and Regular Expression pattern matching in life sciences. <i>Nucleic Acids Research</i> , 2005 , 33, D675-9 | 20.1 | 24 |
| 104 | Tumor Necrosis Factor-alpha- and interleukin-1-induced cellular responses: coupling proteomic and genomic information. <i>Journal of Proteome Research</i> , 2007 , 6, 2176-85 | 5.6 | 23 |
| 103 | Prioritizing drug targets in Clostridium botulinum with a computational systems biology approach. <i>Genomics</i> , 2014 , 104, 24-35 | 4.3 | 22 |
| 102 | Discovery of pathway biomarkers from coupled proteomics and systems biology methods. <i>BMC Genomics</i> , 2010 , 11 Suppl 2, S12 | 4.5 | 22 |
| 101 | Computational analysis of drought stress-associated miRNAs and miRNA co-regulation network in <i>Physcomitrella patens</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2011 , 9, 37-44 | 6.5 | 20 |
| 100 | New threats to health data privacy. <i>BMC Bioinformatics</i> , 2011 , 12 Suppl 12, S7 | 3.6 | 20 |
| 99 | Proteomic Characterization Reveals That MMP-3 Correlates With Bronchiolitis Obliterans Syndrome Following Allogeneic Hematopoietic Cell and Lung Transplantation. <i>American Journal of Transplantation</i> , 2016 , 16, 2342-51 | 8.7 | 20 |

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|----|--|-----|----|
| 98 | Over-expression of bone sialoprotein enhances bone metastasis of human breast cancer cells in a mouse model. <i>International Journal of Oncology</i> , 2003 , 23, 1043-8 | 1 | 19 |
| 97 | MicroRNA Expression Profiling of Human Respiratory Epithelium Affected by Invasive Candida Infection. <i>PLoS ONE</i> , 2015 , 10, e0136454 | 3.7 | 18 |
| 96 | CIMaps: a network pharmacology database with comprehensive disease-gene-drug connectivity relationships. <i>BMC Genomics</i> , 2012 , 13 Suppl 6, S17 | 4.5 | 18 |
| 95 | ProteoLens: a visual analytic tool for multi-scale database-driven biological network data mining. <i>BMC Bioinformatics</i> , 2008 , 9 Suppl 9, S5 | 3.6 | 18 |
| 94 | A systems biology approach to the study of cisplatin drug resistance in ovarian cancers. <i>Journal of Bioinformatics and Computational Biology</i> , 2007 , 5, 383-405 | 1 | 18 |
| 93 | Breast cancer subtyping from plasma proteins. <i>BMC Medical Genomics</i> , 2013 , 6 Suppl 1, S6 | 3.7 | 17 |
| 92 | Epigenetically Modified Bone Marrow Stromal Cells in Silk Scaffolds Promote Craniofacial Bone Repair and Wound Healing. <i>Tissue Engineering - Part A</i> , 2015 , 21, 2156-65 | 3.9 | 17 |
| 91 | PEPPI: a peptidomic database of human protein isoforms for proteomics experiments. <i>BMC Bioinformatics</i> , 2010 , 11 Suppl 6, S7 | 3.6 | 17 |
| 90 | Systems-scale analysis reveals pathways involved in cellular response to methamphetamine. <i>PLoS ONE</i> , 2011 , 6, e18215 | 3.7 | 17 |
| 89 | Bone Tissue Regeneration - Application of Mesenchymal Stem Cells and Cellular and Molecular Mechanisms. <i>Current Stem Cell Research and Therapy</i> , 2017 , 12, 357-364 | 3.6 | 17 |
| 88 | Repositioning drugs by targeting network modules: a Parkinson's disease case study. <i>BMC Bioinformatics</i> , 2017 , 18, 532 | 3.6 | 16 |
| 87 | PAGED: a pathway and gene-set enrichment database to enable molecular phenotype discoveries. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 15, S2 | 3.6 | 16 |
| 86 | An integrated proteomics analysis of bone tissues in response to mechanical stimulation. <i>BMC Systems Biology</i> , 2011 , 5 Suppl 3, S7 | 3.5 | 16 |
| 85 | Dissecting the human plasma proteome and inflammatory response biomarkers. <i>Proteomics</i> , 2009 , 9, 470-84 | 4.8 | 15 |
| 84 | Autoregulation of bone sialoprotein gene in pre-osteoblastic and non-osteoblastic cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 316, 461-7 | 3.4 | 15 |
| 83 | 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> , 2017 , 8, 13 | 4.6 | 14 |
| 82 | PAGER: constructing PAGs and new PAG-PAG relationships for network biology. <i>Bioinformatics</i> , 2015 , 31, i250-7 | 7.2 | 14 |
| 81 | Genomic data modeling. <i>Information Systems</i> , 2003 , 28, 287-310 | 2.7 | 14 |

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|----|---|------|----|
| 80 | HOMER: a human organ-specific molecular electronic repository. <i>BMC Bioinformatics</i> , 2011 , 12 Suppl 10, S4 | 3.6 | 13 |
| 79 | 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> , 2005 , 20, 1403-13 | 6.3 | 13 |
| 78 | Reordering based integrative expression profiling for microarray classification. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 2, S1 | 3.6 | 12 |
| 77 | Bowman-Birk inhibitor affects pathways associated with energy metabolism in <i>Drosophila melanogaster</i> . <i>Insect Molecular Biology</i> , 2010 , 19, 303-13 | 3.4 | 12 |
| 76 | A SYSTEMS BIOLOGY CASE STUDY OF OVARIAN CANCER DRUG RESISTANCE 2006 , | | 11 |
| 75 | Potential roles of miR-335-5p on pathogenesis of experimental periodontitis. <i>Journal of Periodontal Research</i> , 2020 , 55, 191-198 | 4.3 | 11 |
| 74 | PAGER 2.0: an update to the pathway, annotated-list and gene-signature electronic repository for Human Network Biology. <i>Nucleic Acids Research</i> , 2018 , 46, D668-D676 | 20.1 | 10 |
| 73 | A case study of integrating protein interaction data using semantic web technology. <i>International Journal of Bioinformatics Research and Applications</i> , 2007 , 3, 286-302 | 0.9 | 10 |
| 72 | Applications of transgenics in studies of bone sialoprotein. <i>Journal of Cellular Physiology</i> , 2009 , 220, 30-47 | | 9 |
| 71 | A method for identifying discriminative isoform-specific peptides for clinical proteomics application. <i>BMC Genomics</i> , 2016 , 17 Suppl 7, 522 | 4.5 | 8 |
| 70 | A neural network approach to multi-biomarker panel discovery by high-throughput plasma proteomics profiling of breast cancer. <i>BMC Proceedings</i> , 2013 , 7, S10 | 2.3 | 8 |
| 69 | Connecting protein interaction data, mutations, and disease using bioinformatics. <i>Methods in Molecular Biology</i> , 2009 , 541, 449-61 | 1.4 | 8 |
| 68 | A systems biology case study of ovarian cancer drug resistance. <i>Computational Systems Bioinformatics / Life Sciences Society Computational Systems Bioinformatics Conference</i> , 2006 , 389-98 | | 8 |
| 67 | Data mining in protein interactomics. Six computational research challenges and opportunities. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2005 , 24, 95-102 | | 7 |
| 66 | Integrative Approaches to Understanding the Pathogenic Role of Genetic Variation in Rheumatic Diseases. <i>Rheumatic Disease Clinics of North America</i> , 2017 , 43, 449-466 | 2.4 | 6 |
| 65 | Finding fractal patterns in molecular interaction networks: a case study in Alzheimer's disease. <i>International Journal of Computational Biology and Drug Design</i> , 2009 , 2, 340-52 | 0.4 | 6 |
| 64 | 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> , 2021 , 178, 280-297 | 8.6 | 6 |
| 63 | A systematic simulation-based meta-analytical framework for prediction of physiological biomarkers in alopecia. <i>Journal of Biological Research</i> , 2019 , 26, 2 | 2.4 | 5 |

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| 62 | Gsslasso Cox: a Bayesian hierarchical model for predicting survival and detecting associated genes by incorporating pathway information. <i>BMC Bioinformatics</i> , 2019 , 20, 94 | 3.6 | 5 |
| 61 | Experimental investigation on pressure fluctuation of cryogenic liquid transport in pitching motion. <i>Cryogenics</i> , 2012 , 52, 530-537 | 1.8 | 5 |
| 60 | Data mining methods in Omics-based biomarker discovery. <i>Methods in Molecular Biology</i> , 2011 , 719, 511-26 | 2.6 | 5 |
| 59 | Gene Terrain: Visual Exploration of Differential Gene Expression Profiles Organized in Native Biomolecular Interaction Networks. <i>Information Visualization</i> , 2010 , 9, 1-12 | 2.4 | 5 |
| 58 | Systems biology visualization tools for drug target discovery. <i>Expert Opinion on Drug Discovery</i> , 2010 , 5, 425-39 | 6.2 | 5 |
| 57 | Association of CMV genomic mutations with symptomatic infection and hearing loss in congenital CMV infection. <i>BMC Infectious Diseases</i> , 2019 , 19, 1046 | 4 | 5 |
| 56 | Predicting drug efficacy based on the integrated breast cancer pathway model 2011 , | | 4 |
| 55 | 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> , 2010 , 11 Suppl 3, S4 | 4.5 | 4 |
| 54 | A GMM-IG framework for selecting genes as expression panel biomarkers. <i>Artificial Intelligence in Medicine</i> , 2010 , 48, 75-82 | 7.4 | 4 |
| 53 | Molecular Interaction Networks: Topological and Functional Characterizations145-174 | | 4 |
| 52 | AdipoRon promotes diabetic fracture repair through endochondral ossification-based bone repair by enhancing survival and differentiation of chondrocytes. <i>Experimental Cell Research</i> , 2020 , 387, 111757-2 | 4.2 | 4 |
| 51 | Identifying the key regulators that promote cell-cycle activity in the hearts of early neonatal pigs after myocardial injury. <i>PLoS ONE</i> , 2020 , 15, e0232963 | 3.7 | 4 |
| 50 | Central adiponectin induces trabecular bone mass partly through epigenetic downregulation of cannabinoid receptor CB1. <i>Journal of Cellular Physiology</i> , 2019 , 234, 7062-7069 | 7 | 4 |
| 49 | PAGER-CoV: a comprehensive collection of pathways, annotated gene-lists and gene signatures for coronavirus disease studies. <i>Nucleic Acids Research</i> , 2021 , 49, D589-D599 | 20.1 | 4 |
| 48 | Roles and Mechanisms of Irisin in Attenuating Pathological Features of Osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 703670 | 5.7 | 4 |
| 47 | Initial large-scale exploration of protein-protein interactions in human brain 2003 , 2, 229-34 | | 4 |
| 46 | WIPER: Weighted in-Path Edge Ranking for biomolecular association networks. <i>Quantitative Biology</i> , 2019 , 7, 313-326 | 3.9 | 3 |
| 45 | Seed-weighted random walk ranking for cancer biomarker prioritisation: a case study in leukaemia. <i>International Journal of Data Mining and Bioinformatics</i> , 2014 , 9, 135-48 | 0.5 | 3 |

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|----|--|------|---|
| 44 | Data mining in bioinformatics: selected papers from BIODDD. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2010 , 7, 195-6 | 3 | 3 |
| 43 | Discovering breast cancer drug candidates from biomedical literature. <i>International Journal of Data Mining and Bioinformatics</i> , 2010 , 4, 241-55 | 0.5 | 3 |
| 42 | A statistical framework to discover true associations from multiprotein complex pull-down proteomics data sets. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 64, 436-43 | 4.2 | 3 |
| 41 | A nonredundant role for T _H 17 cell-derived interleukin 22 in antibacterial defense of colonic crypts.. <i>Immunity</i> , 2022 , 55, 494-511.e11 | 32.3 | 3 |
| 40 | Graft-Versus-Host Disease-Free Antitumoral Signature After Allogeneic Donor Lymphocyte Injection Identified by Proteomics and Systems Biology. <i>JCO Precision Oncology</i> , 2019 , 3, | 3.6 | 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. <i>Frontiers in Microbiology</i> , 2018 , 9, 380 | 5.7 | 2 |
| 38 | 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> , 2009 , 2009, 6954-7 | 0.9 | 2 |
| 37 | 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> , 2009 , 2009, 6416-9 | 0.9 | 2 |
| 36 | Network expansion and pathway enrichment analysis towards biologically significant findings from microarrays. <i>Journal of Integrative Bioinformatics</i> , 2012 , 9, 213 | 3.8 | 2 |
| 35 | Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine 2011 , 1-27 | | 2 |
| 34 | Characterization and analysis of long non-coding rna (lncRNA) in In Vitro- and Ex Vivo-derived cardiac progenitor cells. <i>PLoS ONE</i> , 2017 , 12, e0180096 | 3.7 | 2 |
| 33 | Metabolic alterations mediated by STAT3 promotes drug persistence in CML. <i>Leukemia</i> , 2021 , 35, 3371-3382 | 3.87 | 2 |
| 32 | Scalable De Novo Genome Assembly Using a Pregel-Like Graph-Parallel System. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 731-744 | 3 | 2 |
| 31 | Linking clinotypes to phenotypes and genotypes from laboratory test results in comprehensive physical exams. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 51 | 3.6 | 2 |
| 30 | BEERE: a web server for biomedical entity expansion, ranking and explorations. <i>Nucleic Acids Research</i> , 2019 , 47, W578-W586 | 20.1 | 1 |
| 29 | IL-23 Promotes a Coordinated B Cell Germinal Center Program for Class-Switch Recombination to IgG2b in BXD2 Mice. <i>Journal of Immunology</i> , 2020 , 205, 346-358 | 5.3 | 1 |
| 28 | DTMBIO 2016 2016 , | | 1 |
| 27 | "Super Gene Set" Causal Relationship Discovery from Functional Genomics Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 , 15, 1991-1998 | 3 | 1 |

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| 26 | A method for developing regulatory gene set networks to characterize complex biological systems. <i>BMC Genomics</i> , 2015 , 16 Suppl 11, S4 | 4.5 | 1 |
| 25 | Predictive and preventive models for diabetes prevention using clinical information in electronic health record 2015 , | | 1 |
| 24 | A Network Biology Approach to Predicting Drug Cardiotoxicity 2011 , | | 1 |
| 23 | Network Expansion and Pathway Enrichment Analysis towards Biologically Significant Findings from Microarrays. <i>Journal of Integrative Bioinformatics</i> , 2012 , 9, 113-125 | 3.8 | 1 |
| 22 | Gene Selection using the GMM-IG Framework based Integrative Analysis 2008 , | | 1 |
| 21 | A novel adiponectin receptor agonist (AdipoAI) ameliorates type 2 diabetes-associated periodontitis by enhancing autophagy in osteoclasts.. <i>Journal of Periodontal Research</i> , 2022 , | 4.3 | 1 |
| 20 | Techniques for Prioritization of Candidate Disease Genes307-324 | | 1 |
| 19 | 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> , 2020 , 21, 56 | 2.7 | 1 |
| 18 | 2016 , | | 1 |
| 17 | Multiscale and Multimodal Analysis for Computational Biology. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 , 15, 1951-1952 | 3 | 1 |
| 16 | SLDR: a computational technique to identify novel genetic regulatory relationships. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 11, S1 | 3.6 | 0 |
| 15 | Polar Gini Curve: A Technique to Discover Gene Expression Spatial Patterns from Single-cell RNA-seq Data.. <i>Genomics, Proteomics and Bioinformatics</i> , 2021 , 19, 493-493 | 6.5 | 0 |
| 14 | Ethics and Privacy Considerations for Systems Biology Applications in Predictive and Personalized Medicine1378-1404 | | |
| 13 | Guest Editorial for Selected Papers from BOKDD 2018 and DMBIH 2018. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , 17, 1832-1834 | 3 | 0 |
| 12 | Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. <i>Archives of Oral Biology</i> , 2021 , 129, 105207 | 2.8 | 0 |
| 11 | Statistical Enrichment Analysis of Samples: A General-Purpose Tool to Annotate Metadata Neighborhoods of Biological Samples. <i>Frontiers in Big Data</i> , 2021 , 4, 725276 | 2.8 | 0 |
| 10 | PAGER Web APP: An Interactive, Online Gene Set and Network Interpretation Tool for Functional Genomics.. <i>Frontiers in Genetics</i> , 2022 , 13, 820361 | 4.5 | 0 |
| 9 | 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> , 2022 , 10, 832460 | 5.7 | 0 |

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| 8 | Biological Knowledge Discovery and Data Mining. <i>Scientific Programming</i> , 2012 , 20, 1-2 | 1.4 |
| 7 | Towards a Metadata Model for Mass-Spectrometry Based Clinical Proteomics. <i>Current Bioinformatics</i> , 2012 , 7, 246-254 | 4-7 |
| 6 | CBIO-12. THE ROLES OF lncRNAs IN GBM RADIATION RESISTANCE AND TUMOR RECURRENCE. <i>Neuro-Oncology</i> , 2020 , 22, ii18-ii18 | 1 |
| 5 | Design of an Online Physician-Mediated Personal Health Record System. <i>Studies in Computational Intelligence</i> , 2009 , 265-279 | 0.8 |
| 4 | Transplanted Bone Marrow Stromal Cells and Bone Tissue Regeneration 2013 , 22-43 | |
| 3 | Computational Identification of De-Centric Genetic Regulatory Relationships from Functional Genomic Data. <i>Lecture Notes in Computer Science</i> , 2014 , 224-235 | 0.9 |
| 2 | Guest Editorial for Selected Papers From BIODDD 2019. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 809-810 | 3 |
| 1 | Biological Network Mining. <i>Methods in Molecular Biology</i> , 2021 , 2328, 139-151 | 1.4 |