

# Thomas Dandekar

## 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.

348  
papers

13,640  
citations

59  
h-index

108  
g-index

381  
ext. papers

15,650  
ext. citations

6  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
348	A Novel Water-Soluble C60 Fullerene-Based Nano-Platform Enhances Efficiency of Anticancer Chemotherapy <b>2022</b> , 59-93		
347	Toward Zero Variance in Proteomics Sample Preparation: Positive-Pressure FASP in 96-Well Format (PF96) Enables Highly Reproducible, Time- and Cost-Efficient Analysis of Sample Cohorts.. <i>Journal of Proteome Research</i> , <b>2022</b> , 21, 1181-1188	5.6	2
346	ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury.. <i>Nature Communications</i> , <b>2022</b> , 13, 1823	17.4	0
345	Cisplatin-Induced Reproductive Toxicity and Oxidative Stress: Ameliorative Effect of Kinetin. <i>Antioxidants</i> , <b>2022</b> , 11, 863	7.1	1
344	Scaffold Searching of FDA and EMA-Approved Drugs Identifies Lead Candidates for Drug Repurposing in Alzheimer's Disease. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 736509	5	1
343	Antibody ligation of CEACAM1, CEACAM3, and CEACAM6, differentially enhance the cytokine release of human neutrophils in responses to <i>Candida albicans</i> . <i>Cellular Immunology</i> , <b>2021</b> , 371, 104459	4.4	
342	An In Vitro and In Silico Study of the Enhanced Antiproliferative and Pro-Oxidant Potential of <i>L. cv. Arbosana</i> Leaf Extract via Elastic Nanovesicles (Spanlastics).. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
341	Klimapflanzen und biologische Wege zu negativen Kohlendioxidemissionen. <i>BioSpektrum</i> , <b>2021</b> , 27, 769-772		
340	Alveolar Regeneration in COVID-19 Patients: A Network Perspective. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
339	Topological Analysis of the Carbon-Concentrating CETCH Cycle and a Photorespiratory Bypass Reveals Boosted CO <sub>2</sub> -Sequestration by Plants. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 708417	5.8	2
338	Population-Predicted MHC Class II Epitope Presentation of SARS-CoV-2 Structural Proteins Correlates to the Case Fatality Rates of COVID-19 in Different Countries. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
337	Modeling of stringent-response reflects nutrient stress induced growth impairment and essential amino acids in different <i>Staphylococcus aureus</i> mutants. <i>Scientific Reports</i> , <b>2021</b> , 11, 9651	4.9	
336	Design, Synthesis, and Anticancer Screening for Repurposed Pyrazolo[3,4-d]pyrimidine Derivatives on Four Mammalian Cancer Cell Lines. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
335	RhoA/Cdc42 signaling drives cytoplasmic maturation but not endomitosis in megakaryocytes. <i>Cell Reports</i> , <b>2021</b> , 35, 109102	10.6	1
334	Rapid proliferation due to better metabolic adaptation results in full virulence of a filament-deficient <i>Candida albicans</i> strain. <i>Nature Communications</i> , <b>2021</b> , 12, 3899	17.4	10
333	A systems-biology model of the tumor necrosis factor (TNF) interactions with TNF receptor 1 and 2. <i>Bioinformatics</i> , <b>2021</b> , 37, 669-676	7.2	2
332	Magische RNA <b>2021</b> , 27-38		

331 Design-Prinzipien einer Zelle **2021**, 155-170

330 Wie ist unser eigenes, extrem leistungsfähiges Gehirn aufgebaut? **2021**, 231-242

329 Leben erfindet immer neue Ebenen der Sprache **2021**, 189-214

328 Stoffwechsel modellieren und neue Antibiotika finden **2021**, 51-60

327 Lösungen zu den Übungsaufgaben **2021**, 331-378

326 Komplexe Systeme verhalten sich grundsätzlich ähnlich **2021**, 115-135

325 Signalkaskaden durch Messen der kodierten Information besser verstehen **2021**, 93-101

324 Bioinformatik verbindet das Leben mit dem Universum und dem ganzen Rest **2021**, 243-261

323 An Ebola, human protein interaction census reveals a conserved human protein cluster targeted by various human pathogens. *Computational and Structural Biotechnology Journal*, **2021**, 19, 5292-5308 6.8 1

322 Systembiologie und Krankheitsursachen aufdecken **2021**, 61-80

321 Evolution mit dem Computer besser vergleichen **2021**, 137-153

320 Genome – molekulare Landkarten von Lebewesen **2021**, 39-50

319 Modulatory and Toxicological Perspectives on the Effects of the Small Molecule Kinetin. *Molecules*, **2021**, 26, 4.8 4

318 An optimized genetically encoded dual reporter for simultaneous ratio imaging of Ca and H reveals new insights into ion signaling in plants. *New Phytologist*, **2021**, 230, 2292-2310 9.8 13

317 An effective model of endogenous clocks and external stimuli determining circadian rhythms. *Scientific Reports*, **2021**, 11, 16165 4.9 0

316 Wir können über uns nachdenken über Computer nicht **2021**, 215-229

315 Modeling Immune Dynamics in Plants Using JIMENA-Package. *Methods in Molecular Biology*, **2021**, 2328, 183-189 1.4 0

314 Pathogen and Host-Pathogen Protein Interactions Provide a Key to Identify Novel Drug Targets **2021**, 543-553 1

313	CoxBase: an Online Platform for Epidemiological Surveillance, Visualization, Analysis, and Typing of <i>Coxiella burnetii</i> Genomic Sequences.. <i>MSystems</i> , <b>2021</b> , 6, e0040321	7.6	1
312	Influence of breast cancer risk factors on proliferation and DNA damage in human breast glandular tissues: role of intracellular estrogen levels, oxidative stress and estrogen biotransformation.. <i>Archives of Toxicology</i> , <b>2021</b> , 96, 673	5.8	0
311	Comparison of the central human and mouse platelet signaling cascade by systems biological analysis. <i>BMC Genomics</i> , <b>2020</b> , 21, 897	4.5	4
310	Modeling of shotgun sequencing of DNA plasmids using experimental and theoretical approaches. <i>BMC Bioinformatics</i> , <b>2020</b> , 21, 132	3.6	1
309	Genome-wide inference of the <i>Camponotus floridanus</i> protein-protein interaction network using homologous mapping and interacting domain profile pairs. <i>Scientific Reports</i> , <b>2020</b> , 10, 2334	4.9	4
308	Delaying memory decline: different options and emerging solutions. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 13	8.6	7
307	Synthetic Rewiring of Plant CO Sequestration Galvanizes Plant Biomass Production. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 354-359	15.1	8
306	Integrative functional genomics decodes herpes simplex virus 1. <i>Nature Communications</i> , <b>2020</b> , 11, 2038	17.4	23
305	Modular micro-physiological human tumor/tissue models based on decellularized tissue for improved preclinical testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2020</b> , 38, 289-306	4.3	0
304	Chagas Disease: Detection of by a New, High-Specific Real Time PCR. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	3
303	Novel Approach for Characterizing Propofol Binding Affinities to Serum Albumins from Different Species. <i>ACS Omega</i> , <b>2020</b> , 5, 25543-25551	3.9	7
302	Bacterial Shoot Apical Meristem Inoculation Assay. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2094, 17-22	1.4	
301	Molecular Modeling of the Interaction Between Stem Cell Peptide and Immune Receptor in Plants. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2094, 67-77	1.4	
300	Mapping a Transcriptome-Guided Arabidopsis SAM Interactome. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2094, 113-118	1.4	
299	Integrated structural and functional analysis of the protective effects of kinetin against oxidative stress in mammalian cellular systems. <i>Scientific Reports</i> , <b>2020</b> , 10, 13330	4.9	7
298	In silico signaling modeling to understand cancer pathways and treatment responses. <i>Briefings in Bioinformatics</i> , <b>2020</b> , 21, 1115-1117	13.4	3
297	A comprehensive method protocol for annotation and integrated functional understanding of lncRNAs. <i>Briefings in Bioinformatics</i> , <b>2020</b> , 21, 1391-1396	13.4	3
296	Platelet glycoprotein VI promotes metastasis through interaction with cancer cell-derived galectin-3. <i>Blood</i> , <b>2020</b> , 135, 1146-1160	2.2	38

295	How to Steer and Control ERK and the ERK Signaling Cascade Exemplified by Looking at Cardiac Insufficiency. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
294	Vaccinia virus injected human tumors: oncolytic virus efficiency predicted by antigen profiling analysis fitted boolean models. <i>Bioengineered</i> , <b>2019</b> , 10, 190-196	5.7	4
293	Challenged by Human Dendritic Cells: Metabolic and Regulatory Pathway Responses Testify a Tight Battle. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 168	5.9	10
292	Analyzing pharmacological intervention points: A method to calculate external stimuli to switch between steady states in regulatory networks. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007075	5	3
291	Complexation with C Fullerene Increases Doxorubicin Efficiency against Leukemic Cells In Vitro. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 61	5	18
290	C. elegans protein interaction network analysis probes RNAi validated pro-longevity effect of nhr-6, a human homolog of tumor suppressor Nr4a1. <i>Scientific Reports</i> , <b>2019</b> , 9, 15711	4.9	6
289	Comprehensive Flux Modeling of Proteome and qRT-PCR Data Indicate Biphasic Metabolic Differences Between Elementary Bodies and Reticulate Bodies During Infection. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2350	5.7	9
288	Synergy of Chemo- and Photodynamic Therapies with C Fullerene-Doxorubicin Nanocomplex. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	18
287	C Fullerene as an Effective Nanoplatfrom of Alkaloid Berberine Delivery into Leukemic Cells. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	21
286	Eugenol Exerts Apoptotic Effect and Modulates the Sensitivity of HeLa Cells to Cisplatin and Radiation. <i>Molecules</i> , <b>2019</b> , 24,	4.8	23
285	Rational Drug Design of Axl Tyrosine Kinase Type I Inhibitors as Promising Candidates Against Cancer. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 920	5	6
284	Connecting Cancer Pathways to Tumor Engines: A Stratification Tool for Colorectal Cancer Combining Human In Vitro Tissue Models with Boolean In Silico Models. <i>Cancers</i> , <b>2019</b> , 12,	6.6	6
283	The New Genetic Landscape of Cushing's Disease: Deubiquitinases in the Spotlight. <i>Cancers</i> , <b>2019</b> , 11,	6.6	15
282	Functional genomics identifies AMPD2 as a new prognostic marker for undifferentiated pleomorphic sarcoma. <i>International Journal of Cancer</i> , <b>2019</b> , 144, 859-867	7.5	6
281	A new triple system DNA-Nanosilver-Berberine for cancer therapy. <i>Applied Nanoscience (Switzerland)</i> , <b>2019</b> , 9, 945-956	3.3	6
280	Proteomics of Conidia-containing Phagolysosomes Identifies Processes Governing Immune Evasion. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 1084-1096	7.6	18
279	The Cytokinin-Activating LOG-Family Proteins Are Not Lysine Decarboxylases. <i>Trends in Biochemical Sciences</i> , <b>2018</b> , 43, 232-236	10.3	6
278	C fullerene accumulation in human leukemic cells and perspectives of LED-mediated photodynamic therapy. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 124, 319-327	7.8	33

277	Omics and bioinformatics applied to vaccine development against Borrelia. <i>Molecular Omics</i> , <b>2018</b> , 14, 330-340	4.4	8
276	Meta-Alignment: Combining Sequence Aligners for Better Results. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 395-404	0.9	
275	Bioinformatics in Leishmania Drug Design <b>2018</b> , 297-317		
274	Identification of Antifungal Targets Based on Computer Modeling. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2018</b> , 4,	5.6	10
273	HPLC-ESI-MS method for C fullerene mitochondrial content quantification. <i>Data in Brief</i> , <b>2018</b> , 19, 2047-2052	7	
272	An open source tool for automatic spatiotemporal assessment of calcium transients and local Bignal-close-to-noisePactivity in calcium imaging data. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006054	5	15
271	TRPM7 Kinase Controls Calcium Responses in Arterial Thrombosis and Stroke in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 344-352	9.4	26
270	Systems Biology Analysis to Understand Regulatory miRNA Networks in Lung Cancer. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1819, 235-247	1.4	5
269	Automated classification of synaptic vesicles in electron tomograms of C. elegans using machine learning. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205348	3.7	4
268	Evaluation of Aspergillus and Mucorales specific T-cells and peripheral blood mononuclear cell cytokine signatures as biomarkers of environmental mold exposure. <i>International Journal of Medical Microbiology</i> , <b>2018</b> , 308, 1018-1026	3.7	7
267	Nanocellulose: A New Multifunctional Tool for RNA Systems Biology Research. <i>RNA Technologies</i> , <b>2018</b> , 373-401	0.2	
266	A combined tissue-engineered/in silico signature tool patient stratification in lung cancer. <i>Molecular Oncology</i> , <b>2018</b> , 12, 1264-1285	7.9	7
265	In Silico Designed Axl Receptor Blocking Drug Candidates Against Zika Virus Infection. <i>ACS Omega</i> , <b>2018</b> , 3, 5281-5290	3.9	11
264	A Systems Biology Methodology Combining Transcriptome and Interactome Datasets to Assess the Implications of Cytokinin Signaling for Plant Immune Networks. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1569, 165-173	1.4	2
263	Reconstruction of an Immune Dynamic Model to Simulate the Contrasting Role of Auxin and Cytokinin in Plant Immunity. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1569, 83-92	1.4	1
262	Influence of Platelet-rich Plasma on the immune response of human monocyte-derived dendritic cells and macrophages stimulated with Aspergillus fumigatus. <i>International Journal of Medical Microbiology</i> , <b>2017</b> , 307, 95-107	3.7	17
261	Optimality principles reveal a complex interplay of intermediate toxicity and kinetic efficiency in the regulation of prokaryotic metabolism. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005371	5	13
260	MicroRNA-21 versus microRNA-34: Lung cancer promoting and inhibitory microRNAs analysed in silico and in vitro and their clinical impact. <i>Tumor Biology</i> , <b>2017</b> , 39, 1010428317706430	2.9	12

259	Plant-Pathogen Maneuvering over Apoplastic Sugars. <i>Trends in Plant Science</i> , <b>2017</b> , 22, 740-743	13.1	20
258	Mucorales spores induce a proinflammatory cytokine response in human mononuclear phagocytes and harbor no rodlet hydrophobins. <i>Virulence</i> , <b>2017</b> , 8, 1708-1718	4.7	14
257	Modelling the host-pathogen interactions of macrophages and using Game Theory and dynamic optimization. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	12
256	Transcriptomic buffering of cryptic genetic variation contributes to meningococcal virulence. <i>BMC Genomics</i> , <b>2017</b> , 18, 282	4.5	11
255	FIJI Macro 3D ART VeSElect: 3D Automated Reconstruction Tool for Vesicle Structures of Electron Tomograms. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005317	5	8
254	Komplexe Systeme verhalten sich grundsätzlich ähnlich <b>2017</b> , 107-129		
253	Bioinformatik verbindet das Leben mit dem Universum und dem ganzen Rest <b>2017</b> , 225-241		
252	Wir können über uns nachdenken über Computer nicht <b>2017</b> , 203-212		
251	Signalkaskaden durch Messen der kodierten Information besser verstehen <b>2017</b> , 89-95		
250	Wie ist unser eigenes, extrem leistungsfähiges Gehirn aufgebaut? <b>2017</b> , 213-224		
249	Stoffwechsel modellieren und neue Antibiotika finden <b>2017</b> , 47-55		
248	Übungen zu den Übungsaufgaben <b>2017</b> , 307-350		
247	Evolution mit dem Computer besser vergleichen <b>2017</b> , 131-146		
246	Magische RNA <b>2017</b> , 25-35		
245	Systembiologie und Krankheitsursachen aufdecken <b>2017</b> , 57-75		
244	Design-Prinzipien einer Zelle <b>2017</b> , 147-160		
243	Improving Re-annotation of Annotated Eukaryotic Genomes <b>2016</b> , 171-195		2
242	A Combined 3D Tissue Engineered In Vitro/In Silico Lung Tumor Model for Predicting Drug Effectiveness in Specific Mutational Backgrounds. <i>Journal of Visualized Experiments</i> , <b>2016</b> , e53885	1.6	16

241	The drug-minded protein interaction database (DrumPID) for efficient target analysis and drug development. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2016</b> , 2016,	5	17
240	Analyzing ERK 1/2 signalling and targets. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 2436-46		16
239	Long noncoding RNA Chast promotes cardiac remodeling. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 326ra27.5	27.5	250
238	Revisiting adult neurogenesis and the role of erythropoietin for neuronal and oligodendroglial differentiation in the hippocampus. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 1752-1767	15.1	55
237	Non-Coding RNAs in Lung Cancer: Contribution of Bioinformatics Analysis to the Development of Non-Invasive Diagnostic Tools. <i>Genes</i> , <b>2016</b> , 8,	4.2	20
236	The Plant Hormone Cytokinin Confers Protection against Oxidative Stress in Mammalian Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168386	3.7	25
235	Systematic Identification of Anti-Fungal Drug Targets by a Metabolic Network Approach. <i>Frontiers in Molecular Biosciences</i> , <b>2016</b> , 3, 22	5.6	33
234	A Proteome Overview: Shared and Specific Proteins and Protein Complexes from Representative Strains of All Three Clades. <i>Proteomes</i> , <b>2016</b> , 4,	4.6	7
233	Mining biomedical images towards valuable information retrieval in biomedical and life sciences. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2016</b> , 2016,	5	15
232	GNATY: Optimized NGS Variant Calling and Coverage Analysis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 446-454	0.9	
231	An antibiotic target ranking and prioritization pipeline combining sequence, structure and network-based approaches exemplified for <i>Serratia marcescens</i> . <i>Gene</i> , <b>2016</b> , 591, 268-278	3.8	13
230	Convergence behaviour and Control in Non-Linear Biological Networks. <i>Scientific Reports</i> , <b>2015</b> , 5, 9746	4.9	14
229	The nexus between growth and defence signalling: auxin and cytokinin modulate plant immune response pathways. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 4885-96	7	94
228	Application of Biotechnology and Bioinformatics Tools in PlantFungus Interactions <b>2015</b> , 49-64		
227	LONELY-GUY Knocks Every Door: Crosskingdom Microbial Pathogenesis. <i>Trends in Plant Science</i> , <b>2015</b> , 20, 781-783	13.1	12
226	Bioinformatics of cardiovascular miRNA biology. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 89, 3-10	5.8	15
225	Lipid-Pro: a computational lipid identification solution for untargeted lipidomics on data-independent acquisition tandem mass spectrometry platforms. <i>Bioinformatics</i> , <b>2015</b> , 31, 1150-3	7.2	24
224	Development of Long Noncoding RNA-Based Strategies to Modulate Tissue Vascularization. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2005-2015	15.1	82



223	Draft Genome Sequence of the Moderately Heat-Tolerant <i>Lactococcus lactis</i> subsp. <i>lactis</i> bv. <i>diacetylactis</i> Strain GL2 from Algerian Dromedary Milk. <i>Genome Announcements</i> , <b>2015</b> , 3,		1
222	Gene expression profiles and protein-protein interaction network analysis in AIDS patients with HIV-associated encephalitis and dementia. <i>HIV/AIDS - Research and Palliative Care</i> , <b>2015</b> , 7, 265-76	1.2	9
221	DNAseq Workflow in a Diagnostic Context and an Example of a User Friendly Implementation. <i>BioMed Research International</i> , <b>2015</b> , 2015, 403497	3	4
220	Host-pathogen interactions between the human innate immune system and <i>Candida albicans</i> -understanding and modeling defense and evasion strategies. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 625	5.7	62
219	Integrated inference and evaluation of host-fungi interaction networks. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 764	5.7	28
218	Diagnostic value of preoperative CT scan to stratify colon cancer for neoadjuvant therapy. <i>International Journal of Colorectal Disease</i> , <b>2015</b> , 30, 1067-73	3	12
217	Scrutinizing the immune defence inventory of <i>Camponotus floridanus</i> applying total transcriptome sequencing. <i>BMC Genomics</i> , <b>2015</b> , 16, 540	4.5	27
216	Modelling antibiotic and cytotoxic isoquinoline effects in <i>Staphylococcus aureus</i> , <i>Staphylococcus epidermidis</i> and mammalian cells. <i>International Journal of Medical Microbiology</i> , <b>2015</b> , 305, 96-109	3.7	14
215	MSL: Facilitating automatic and physical analysis of published scientific literature in PDF format. <i>F1000Research</i> , <b>2015</b> , 4, 1453	3.6	3
214	MSL: Facilitating automatic and physical analysis of published scientific literature in PDF format. <i>F1000Research</i> , <b>2015</b> , 4, 1453	3.6	3
213	Host insulin stimulates <i>Echinococcus multilocularis</i> insulin signalling pathways and larval development. <i>BMC Biology</i> , <b>2014</b> , 12, 5	7.3	47
212	Quantitative single-molecule localization microscopy combined with rule-based modeling reveals ligand-induced TNF-R1 reorganization toward higher-order oligomers. <i>Histochemistry and Cell Biology</i> , <b>2014</b> , 142, 91-101	2.4	29
211	A comparative analysis of the bistability switch for platelet aggregation by logic ODE based dynamical modeling. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2082-9		6
210	Complete genome sequence of the gram-negative probiotic <i>Escherichia coli</i> strain Nissle 1917. <i>Journal of Biotechnology</i> , <b>2014</b> , 187, 106-7	3.7	52
209	Functional module search in protein networks based on semantic similarity improves the analysis of proteomics data. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 1877-89	7.6	4
208	Establishment of a human 3D lung cancer model based on a biological tissue matrix combined with a Boolean in silico model. <i>Molecular Oncology</i> , <b>2014</b> , 8, 351-65	7.9	58
207	Software applications toward quantitative metabolic flux analysis and modeling. <i>Briefings in Bioinformatics</i> , <b>2014</b> , 15, 91-107	13.4	45
206	Salmonella-how a metabolic generalist adopts an intracellular lifestyle during infection. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2014</b> , 4, 191	5.9	21

205	Evaluation and prediction of the HIV-1 central polypurine tract influence on foamy viral vectors to transduce dividing and growth-arrested cells. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 487969	2.2	1
204	Antigen profiling analysis of vaccinia virus injected canine tumors: oncolytic virus efficiency predicted by boolean models. <i>Bioengineered</i> , <b>2014</b> , 5, 319-25	5.7	3
203	IsotopoPa database application for facile analysis and management of mass isotopomer data. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2014</b> , 2014,	5	14
202	Perforin-like protein PPLP2 permeabilizes the red blood cell membrane during egress of Plasmodium falciparum gametocytes. <i>Cellular Microbiology</i> , <b>2014</b> , 16, 709-33	3.9	71
201	Stem-cell-triggered immunity safeguards cytokinin enriched plant shoot apices from pathogen infection. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 588	6.2	2
200	Probing the Unknowns in Cytokinin-Mediated Immune Defense in Arabidopsis with Systems Biology Approaches. <i>Bioinformatics and Biology Insights</i> , <b>2014</b> , 8, BBI.S13462	5.3	11
199	Cytokinins for immunity beyond growth, galls and green islands. <i>Trends in Plant Science</i> , <b>2014</b> , 19, 481-4	13.1	55
198	Developing sustainable software solutions for bioinformatics by the " Butterfly" paradigm. <i>F1000Research</i> , <b>2014</b> , 3, 71	3.6	12
197	Inhibition of the SR protein-phosphorylating CLK kinases of Plasmodium falciparum impairs blood stage replication and malaria transmission. <i>PLoS ONE</i> , <b>2014</b> , 9, e105732	3.7	27
196	Probing the unknowns in cytokinin-mediated immune defense in Arabidopsis with systems biology approaches. <i>Bioinformatics and Biology Insights</i> , <b>2014</b> , 8, 35-44	5.3	5
195	Ant-App-DB: a smart solution for monitoring arthropods activities, experimental data management and solar calculations without GPS in behavioral field studies. <i>F1000Research</i> , <b>2014</b> , 3, 311	3.6	3
194	Software LS-MIDA for efficient mass isotopomer distribution analysis in metabolic modelling. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 218	3.6	17
193	PlanktoVision--an automated analysis system for the identification of phytoplankton. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 115	3.6	34
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