

Bipin G Nair

List of Publications by Year in descending order

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214
papers

3,418
citations

159358

30
h-index

223531

46
g-index

221
all docs

221
docs citations

221
times ranked

5183
citing authors

#	ARTICLE	IF	CITATIONS
1	Lytic broadcasting system: A novel approach to disseminate bacteriophages for disinfection and biogenic hydrogen sulphide removal tested in synthetic sewage. <i>Results in Engineering</i> , 2022, 13, 100314.	2.2	6
2	Highly Sensitive Voltammetric Immunosensing of Cancer Biomarkers HER2 and CA125 Using Gold Nanoparticles Anchored Reduced Graphene Oxide Enzyme-Free Nanolabel. <i>Journal of the Electrochemical Society</i> , 2022, 169, 037526.	1.3	5
3	Systematic understanding of anti-tumor mechanisms of Tamarixetin through network and experimental analyses. <i>Scientific Reports</i> , 2022, 12, 3966.	1.6	3
4	Age-Associated Molecular Changes in Human Hippocampus Subfields as Determined by Quantitative Proteomics. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 382-391.	1.0	4
5	Enhancement in mixing efficiency by ridges in straight and meander microchannels. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 159, 108217.	1.8	5
6	Proteasomal dysfunction and ER stress triggers 2â€²â€²hydroxyâ€²retrochalconeâ€²induced paraptosis in cancer cells. <i>Cell Biology International</i> , 2021, 45, 164-176.	1.4	6
7	Nuclear factor-Î² plays an important role in Tamarixetin-mediated inhibition of matrix metalloproteinase-9 expression. <i>European Journal of Pharmacology</i> , 2021, 893, 173808.	1.7	6
8	Anacardic acid-mediated regulation of osteoblast differentiation involves mitigation of inflammasome activation pathways. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 819-829.	1.4	1
9	Ginger extract activates caspase independent paraptosis in cancer cells via ER stress, mitochondrial dysfunction, AIF translocation and DNA damage. <i>Nutrition and Cancer</i> , 2021, 73, 147-159.	0.9	25
10	Integrated Proteomic and Phosphoproteomics Analysis of DKK3 Signaling Reveals Activated Kinase in the Most Aggressive Gallbladder Cancer. <i>Cells</i> , 2021, 10, 511.	1.8	9
11	A Novel N4-Like Bacteriophage Isolated from a Wastewater Source in South India with Activity against Several Multidrug-Resistant Clinical <i>Pseudomonas aeruginosa</i> Isolates. <i>MSphere</i> , 2021, 6, .	1.3	22
12	Highly Sensitive and Wide Range Non-Enzymatic Electrochemical Detection of Cholesterol using Pencil Lead Electrodes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 047515.	1.3	12
13	Proteomic Alterations Associated with Oral Cancer Patients with Tobacco Using Habits. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 255-268.	1.0	4
14	Whole-Exome Sequencing Analysis of Oral Squamous Cell Carcinoma Delineated by Tobacco Usage Habits. <i>Frontiers in Oncology</i> , 2021, 11, 660696.	1.3	14
15	What virtual laboratory usage tells us about laboratory skill education pre- and post-COVID-19: Focus on usage, behavior, intention and adoption. <i>Education and Information Technologies</i> , 2021, 26, 7477-7495.	3.5	47
16	Screen-printed carbon electrode for the electrochemical detection of conjugated bilirubin. <i>Materials Letters</i> , 2021, 304, 130574.	1.3	8
17	Cysteamine derived N/S co-doped carbon dots for fluorescence imaging of pathogenic bacteria and human buccal epithelial cells. <i>Materials Letters</i> , 2021, 305, 130725.	1.3	8
18	Synergistic Effects of <i>Limosilactobacillus fermentum</i> ASBT-2 with Oxyresveratrol Isolated from Coconut Shell Waste. <i>Foods</i> , 2021, 10, 2548.	1.9	2

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19	Development of a paper-based analytical device for the colourimetric detection of alanine transaminase and the application of deep learning for image analysis. <i>Analytica Chimica Acta</i> , 2021, 1188, 339158.	2.6	4
20	The Normal Human Adult Hypothalamus Proteomic Landscape: Rise of Neuroproteomics in Biological Psychiatry and Systems Biology. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 693-710.	1.0	0
21	Mathematical Modeling of Severe Acute Respiratory Syndrome Coronavirus 2 Infection Network with Cytokine Storm, Oxidative Stress, Thrombosis, Insulin Resistance, and Nitric Oxide Pathways. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 770-781.	1.0	8
22	Peroxidase Labeled Antibody Conjugated Gold Nanoparticles for Ultrasensitive Voltammetric Immunosensing. <i>IEEE Sensors Journal</i> , 2020, 20, 1142-1149.	2.4	2
23	A graphite pencil electrode with electrodeposited Pt-CuO for nonenzymatic amperometric sensing of glucose over a wide linear response range. <i>Mikrochimica Acta</i> , 2020, 187, 113.	2.5	27
24	Paper-based device for the colorimetric assay of bilirubin based on in-situ formation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 60.	2.5	25
25	Oxyresveratrol drives caspase-independent apoptosis-like cell death in MDA-MB-231 breast cancer cells through the induction of ROS. <i>Biochemical Pharmacology</i> , 2020, 173, 113724.	2.0	30
26	Quantitative Proteomics of Urinary Bladder Cancer Cell Lines Identify UAP1 as a Potential Therapeutic Target. <i>Genes</i> , 2020, 11, 763.	1.0	11
27	RECK and TIMP-2 mediate inhibition of MMP-2 and MMP-9 by <i>Annona muricata</i> . <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	12
28	Multi-Omics Analysis to Characterize Cigarette Smoke Induced Molecular Alterations in Esophageal Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1666.	1.3	1
29	Facile pH-sensitive optical detection of pathogenic bacteria and cell imaging using multi-emissive nitrogen-doped carbon dots. <i>Microchemical Journal</i> , 2020, 159, 105324.	2.3	14
30	Mutational Landscape of Esophageal Squamous Cell Carcinoma in an Indian Cohort. <i>Frontiers in Oncology</i> , 2020, 10, 1457.	1.3	21
31	Draft Genome Sequence of a <i>Lactobacillus fermentum</i> Strain Isolated from Domestic Sewage in Kerala, India. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	2
32	Snake antivenom: Challenges and alternate approaches. <i>Biochemical Pharmacology</i> , 2020, 181, 114135.	2.0	33
33	Sensitization of hepatocellular carcinoma cells towards doxorubicin and sorafenib is facilitated by glucose-dependent alterations in reactive oxygen species, P-glycoprotein and DKK4. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	15
34	Manganese dioxide based electrochemical sensor for the detection of nitro-group containing organophosphates in vegetables and drinking water samples. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113841.	1.9	14
35	Potent Chitin Synthase Inhibitors from Plants. <i>Current Bioactive Compounds</i> , 2020, 16, 58-63.	0.2	0
36	Adoption of Virtual Laboratories in India, Learning Assessments and Roles of ICT Skill Learning Tools. , 2020, , 13-20.		0

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37	RECK and TIMP-2 mediate inhibition of MMP-2 and MMP-9 by. <i>Journal of Biosciences</i> , 2020, 45, .	0.5	3
38	(I-3,II-3)-Biacacetin-mediated cell death involves mitochondria. <i>Molecular and Cellular Biochemistry</i> , 2019, 451, 79-90.	1.4	7
39	Analysis of microarray data for identification of key microRNA signatures in glioblastoma multiforme. <i>Oncology Letters</i> , 2019, 18, 1938-1948.	0.8	9
40	Draft Genome Sequence of an Escherichia coli Sequence Type 155 Strain Isolated from Sewage in Kerala, India. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	7
41	Plumbagin induces paraptosis in cancer cells by disrupting the sulfhydryl homeostasis and proteasomal function. <i>Chemico-Biological Interactions</i> , 2019, 310, 108733.	1.7	39
42	Modeling fMRI BOLD signals and temporal mismatches in the cerebellar cortex. <i>CSI Transactions on ICT</i> , 2019, 7, 191-198.	0.7	0
43	Mining Inter-Relationships in Online Scientific Articles and its Visualization: Natural Language Processing for Systems Biology Modeling. <i>International Journal of Online and Biomedical Engineering</i> , 2019, 15, 39.	0.9	1
44	E74 like ETS transcription factor 3 (ELF3) is a negative regulator of epithelial- mesenchymal transition in bladder carcinoma. <i>Cancer Biomarkers</i> , 2019, 25, 223-232.	0.8	19
45	Synthesis and characterisation of Sb-doped ZrO ₂ and TiO ₂ nanoparticles. <i>International Journal of Microstructure and Materials Properties</i> , 2019, 14, 286.	0.1	0
46	Voltammetric immunosensing platform based on dual signal amplification using gold nanoparticle labels. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 577, 012103.	0.3	3
47	Dickkopf Homolog 3 (DKK3) Acts as a Potential Tumor Suppressor in Gallbladder Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1121.	1.3	18
48	Recent insights into natural product inhibitors of matrix metalloproteinases. <i>MedChemComm</i> , 2019, 10, 2024-2037.	3.5	15
49	Gold nanoparticles decorated reduced graphene oxide nanolabel for voltammetric immunosensing. <i>IET Nanobiotechnology</i> , 2019, 13, 107-113.	1.9	1
50	Using Learning Theory for Assessing Effectiveness of Laboratory Education Delivered via a Web-Based Platform. <i>Lecture Notes in Networks and Systems</i> , 2019, , 639-648.	0.5	1
51	Adoption of Virtual Laboratories in India, Learning Assessments and Roles of ICT Skill Learning Tools. , 2019, , 1-8.		0
52	Autolysin mediated adherence of Staphylococcus aureus with Fibronectin, Gelatin and Heparin. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 179-184.	3.6	36
53	Clove Bud Oil Modulates Pathogenicity Phenotypes of the Opportunistic Human Pathogen Pseudomonas aeruginosa. <i>Scientific Reports</i> , 2018, 8, 3437.	1.6	15
54	Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 709-721.	1.8	33

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55	6-Shogaol induces caspase-independent paraptosis in cancer cells via proteasomal inhibition. <i>Experimental Cell Research</i> , 2018, 364, 243-251.	1.2	29
56	Characterization of the bacteriophages binding to human matrix molecules. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 608-615.	3.6	20
57	Understanding Cerebellum Granular Layer Network Computations through Mathematical Reconstructions of Evoked Local Field Potentials. <i>Annals of Neurosciences</i> , 2018, 25, 11-24.	0.9	5
58	Molecular alterations associated with chronic exposure to cigarette smoke and chewing tobacco in normal oral keratinocytes. <i>Cancer Biology and Therapy</i> , 2018, 19, 773-785.	1.5	37
59	Identification, purification, biochemical and mass spectrometric characterization of novel phycobiliproteins from a marine red alga, <i>Centroceras clavulatum</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 114, 679-691.	3.6	22
60	Experimental Recording and Assessing Gait Phases Using Mobile Phone Sensors and EEG. , 2018, , .		5
61	Mathematical Models as Bioscience Educational Informatics Tools. , 2018, , .		0
62	Virtual Laboratories in Biotechnology are Significant Educational Informatics Tools. , 2018, , .		4
63	Spectral Correlations in Speaker-Listener Behavior During a Focused Duo Conversation using EEG. , 2018, , .		0
64	Modeling of Glutamate Pathway in Alzheimer's Disease using Biochemical Systems Theory. , 2018, , .		3
65	Trajectory Tracking using a Bio-inspired Neural Network for a Low-Cost Robotic Articulator. , 2018, , .		0
66	Modeling Nitric Oxide Induced Neural Activity and Neurovascular Coupling in a Cerebellum Circuit. , 2018, , .		0
67	Torque Analysis of Male-Female Gait and Identification using Machine Learning. , 2018, , .		0
68	Experimental Recording and Computational Analysis of EEG signals for a Squeeze Task: Assessments and Impacts for Applications. , 2018, , .		3
69	Reproducing the Firing Properties of a Cerebellum Deep Cerebellar Nucleus with a Multi-Compartmental Morphologically Realistic Biophysical Model. , 2018, , .		1
70	Design and Implementation of an Open-Source Browser-based Laboratory Platform for EEG Data Analysis. , 2018, , .		2
71	Testican 1 (SPOCK1) and protein tyrosine phosphatase, receptor type S (PTPRS) show significant increase in saliva of tobacco users with oral cancer. <i>Translational Research in Oral Oncology</i> , 2018, 3, 2057178X1880053.	2.3	1
72	Automated and programmable electromagnetically actuated valves for microfluidic applications. <i>Sensors and Actuators A: Physical</i> , 2018, 283, 79-86.	2.0	9

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73	Impregnation of catheters with anacardic acid from cashew nut shell prevents <i>Staphylococcus aureus</i> biofilm development. <i>Journal of Applied Microbiology</i> , 2018, 125, 1286-1295.	1.4	18
74	Chronic Exposure to Cigarette Smoke and Chewing Tobacco Alters Expression of microRNAs in Esophageal Epithelial Cells. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2018, 7, 28-37.	0.6	10
75	Mass spectrometry-assisted venom profiling of <i>Hypnale hypnale</i> found in the Western Ghats of India incorporating de novo sequencing approaches. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1736-1746.	3.6	16
76	miRNA and Proteomic Dysregulation in Non-Small Cell Lung Cancer in Response to Cigarette Smoke. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2018, 7, 38-53.	0.6	22
77	Cigarette smoke and chewing tobacco alter expression of different sets of miRNAs in oral keratinocytes. <i>Scientific Reports</i> , 2018, 8, 7040.	1.6	34
78	Fabrication of Highly Sensitive Nonenzymatic Electrochemical H_2O_2 Sensor Based on Pt Nanoparticles Anchored Reduced Graphene Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4380-4386.	0.9	5
79	Toward Postgenomics Ophthalmology: A Proteomic Map of the Human Choroid "Retinal Pigment Epithelium Tissue. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 114-122.	1.0	11
80	Fabrication of a disposable non-enzymatic electrochemical creatinine sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 589-595.	4.0	82
81	A Systems Model of Parkinson's Disease Using Biochemical Systems Theory. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 454-464.	1.0	14
82	Voltammetric determination of ascorbic acid by using a disposable screen printed electrode modified with $Cu(OH)_2$ nanorods. <i>Mikrochimica Acta</i> , 2017, 184, 3573-3579.	2.5	27
83	Long-Term Cigarette Smoke Exposure and Changes in MiRNA Expression and Proteome in Non-Small-Cell Lung Cancer. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 390-403.	1.0	24
84	Comparing parallel simulation of single and multi-compartmental spiking neuron models using gpgpu. , 2017, , .		0
85	Computational modelling of apoptosis in parkinson's disease using biochemical systems theory. , 2017, , .		5
86	Mathematical Modelling of Cerebellar Granular Layer Neurons and Network Activity: Information Estimation, Population Behaviour and Robotic Abstractions. <i>Springer INdAM Series</i> , 2017, , 61-85.	0.4	0
87	Comparing robotic control using a spiking model of cerebellar network and a gain adapting forward-inverse model. , 2017, , .		1
88	Information theoretic visualization of spiking neural networks. , 2017, , .		1
89	Computational neuroscience of substantia nigra circuit and dopamine modulation during parkinson's disease. , 2017, , .		1
90	An open-source computational neuroscience virtual laboratory tool for simulating spiking neurons and circuits. , 2017, , .		1

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91	Modeling population network activity using lfpsim, spiking neurons and neural mass models. , 2017, , .		0
92	Implementation of analog electrical neurons as virtual labs for neuroscience education. , 2017, , .		1
93	Assessing short-term social media marketing outreach of a healthcare organization using machine learning. , 2017, , .		3
94	Classifying gait features for stance and swing using machine learning. , 2017, , .		9
95	Enabling a Freely Accessible Open Source Remotely Controlled Robotic Articulator with a Neuro-Inspired Control Algorithm. International Journal of Online Engineering, 2017, 13, 61.	0.5	10
96	Pneumatophore inspired biomimetic approach to design an energy neutral aerator for application in composting. , 2017, , .		0
97	Biological treatment of domestic wastewater by selected aquatic plants. , 2017, , .		2
98	Caulobacter crescentus as a novel exoelectricigen in a dual chambered microbial fuel cell (MFC). , 2017, , .		1
99	Using Theme-based Narrative Construct of Images as Passwords: Implementation and Assessment of Remembered Sequences. International Journal of Online Engineering, 2017, 13, 77.	0.5	1
100	Computational Neuroscience of Timing, Plasticity and Function in Cerebellum Microcircuits. Springer Series in Bio-/neuroinformatics, 2017, , 343-371.	0.1	2
101	Vertically Aligned TiO ₂ Nanotube Arrays Decorated with CuO Mesoclusters for the Nonenzymatic Sensing of Glucose. Journal of Nanoscience and Nanotechnology, 2017, 17, 2732-2739.	0.9	7
102	Coconut shell derived bioactive compound Oxyresveratrol mediates regulation of Matrix metalloproteinase 9. International Journal of Pharma and Bio Sciences, 2017, 8, .	0.1	2
103	COMBINATORIAL EFFECT OF D-AMINOACIDS AND TETRACYCLINE AGAINST PSEUDOMONAS AERUGINOSA BIOFILM. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 216.	0.3	3
104	Complementing Education via Virtual Labs: Implementation and Deployment of Remote Laboratories and Usage Analysis in South Indian Villages. International Journal of Online Engineering, 2016, 12, 8.	0.5	29
105	Computational Modeling of Single Neuron Extracellular Electric Potentials and Network Local Field Potentials using LFPsim. Frontiers in Computational Neuroscience, 2016, 10, 65.	1.2	53
106	Identification and characterization of a library of surfactins and fengycins from a marine endophytic <i>Bacillus</i> sp.. Journal of Basic Microbiology, 2016, 56, 1159-1172.	1.8	16
107	Computational characterization of cerebellum granule neuron responses to auditory and visual inputs. , 2016, , .		1
108	Categorizing imagined right and left motor imagery BCI tasks for low-cost robotic neuroprosthesis. , 2016, , .		5

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109	Computing LFP from biophysical models of neurons and neural microcircuits. , 2016, , .		2
110	Optimization of microbial fuel cell (MFC) operated with waste water as substrate. , 2016, , .		3
111	EEG-based assessment of image sequence-based user authentication in computer network security. , 2016, , .		4
112	Low cost neuro-inspired robots for sustainable laboratory education. , 2016, , .		3
113	Low-cost robotic articulator as an online education tool: Design, deployment and usage. , 2016, , .		7
114	Online bio-robotics labs: Open hardware models and architecture. , 2016, , .		5
115	An integrated signal transduction network of macrophage migration inhibitory factor. Journal of Cell Communication and Signaling, 2016, 10, 165-170.	1.8	23
116	Computational simulation and fabrication of smooth edged passive micromixers with alternately varying diameter for efficient mixing. Microelectronic Engineering, 2016, 165, 32-40.	1.1	14
117	Cupric Oxide Modified Screen Printed Electrode for the Nonenzymatic Glucose Sensing. Journal of Nanoscience and Nanotechnology, 2016, 16, 8772-8778.	0.9	16
118	Nitric Oxide and ERK mediates regulation of cellular processes by Ecdysterone. Experimental Cell Research, 2016, 346, 167-175.	1.2	16
119	Implementing and Deploying Magnetic Material Testing as an Online Laboratory. Advances in Intelligent Systems and Computing, 2016, , 925-934.	0.5	0
120	A Comprehensive Proteomics Analysis of the Human Iris Tissue: Ready to Embrace Postgenomics Precision Medicine in Ophthalmology?. OMICS A Journal of Integrative Biology, 2016, 20, 510-519.	1.0	12
121	Computational reconstruction of fMRI-BOLD from neural activity. , 2016, , .		4
122	Modeling basal ganglia microcircuits using spiking neurons. , 2016, , .		2
123	Anacardic acid inhibits gelatinases through the regulation of Spry2, MMP-14, EMMPRIN and RECK. Experimental Cell Research, 2016, 349, 139-151.	1.2	16
124	Implementing a Web-Based Simulator with Explicit Neuron and Synapse Models to Aid Experimental Neuroscience and Theoretical Biophysics Education. Lecture Notes in Electrical Engineering, 2016, , 57-66.	0.3	6
125	Delivering on the Promise of Bioeconomy in the Developing World: Link It with Social Innovation and Education. , 2016, , 73-81.		5
126	Phosphotyrosine profiling of curcumin-induced signaling. Clinical Proteomics, 2016, 13, 13.	1.1	19

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127	Natural Product Anacardic Acid from Cashew Nut Shells Stimulates Neutrophil Extracellular Trap Production and Bactericidal Activity. <i>Journal of Biological Chemistry</i> , 2016, 291, 13964-13973.	1.6	50
128	Synovial fluid proteome in rheumatoid arthritis. <i>Clinical Proteomics</i> , 2016, 13, 12.	1.1	62
129	Au nanoparticles decorated reduced graphene oxide for the fabrication of disposable nonenzymatic hydrogen peroxide sensor. <i>Journal of Electroanalytical Chemistry</i> , 2016, 764, 64-70.	1.9	44
130	Discovery of arjunolic acid as a novel non-zinc binding carbonic anhydrase II inhibitor. <i>Bioorganic Chemistry</i> , 2016, 66, 72-79.	2.0	7
131	Clove bud oil reduces kynurenine and inhibits pqs A gene expression in <i>P. aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3681-3692.	1.7	19
132	Anacardic acid induces apoptosis-like cell death in the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 323-335.	1.7	25
133	Assessing Students and Teachers Experience on Simulation and Remote Biotechnology Virtual Labs: A Case Study with a Light Microscopy Experiment. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016, , 44-51.	0.2	8
134	Macrophage migration inhibitory factor - a therapeutic target in gallbladder cancer. <i>BMC Cancer</i> , 2015, 15, 843.	1.1	33
135	Mobile learning and biotechnology education via remote labs: Deployment-based study on real time shared resources. , 2015, , .		6
136	Efficient simulations of spiking neurons on parallel and distributed platforms: Towards large-scale modeling in computational neuroscience. , 2015, , .		2
137	Synthesis and discovery of (1-3,11-3)-biacacetin as a novel non-zinc binding inhibitor of MMP-2 and MMP-9. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3781-3787.	1.4	24
138	Theme Interception Sequence Learning: Deflecting Rubber-Hose Attacks Using Implicit Learning. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 495-502.	0.5	2
139	Exploiting point source approximation on detailed neuronal models to reconstruct single neuron electric field and population LFP. , 2015, , .		4
140	Role of ICT-enabled virtual laboratories in biotechnology education: Case studies on blended and remote learning. , 2015, , .		12
141	GPGPU implementation of information theoretic algorithms for the analysis of granular layer neurons. , 2015, , .		1
142	Role of Biotechnology simulation and remotely triggered virtual labs in complementing university education. , 2015, , .		6
143	Single step synthesis of Au@CuO nanoparticles decorated reduced graphene oxide for high performance disposable nonenzymatic glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2015, 743, 1-9.	1.9	65
144	Highly sensitive and wide-range nonenzymatic disposable glucose sensor based on a screen printed carbon electrode modified with reduced graphene oxide and Pd-CuO nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 2183-2192.	2.5	54

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145	Strategy to enhance efficacy of doxorubicin in solid tumor cells by methyl- β -cyclodextrin: Involvement of p53 and Fas receptor ligand complex. <i>Scientific Reports</i> , 2015, 5, 11853.	1.6	95
146	Characterization of host response to <i>Cryptococcus neoformans</i> through quantitative proteomic analysis of cryptococcal meningitis co-infected with HIV. <i>Molecular BioSystems</i> , 2015, 11, 2529-2540.	2.9	10
147	Proteomics of Human Aqueous Humor. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 283-293.	1.0	46
148	Co β -Cu alloy nanoparticles decorated TiO ₂ nanotube arrays for highly sensitive and selective nonenzymatic sensing of glucose. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 337-344.	4.0	56
149	Classification and clustering for neuroinformatics: Assessing the efficacy on reverse-mapped NeuroNLP data using standard ML techniques. , 2015, , .		7
150	An Appeal to the Global Health Community for a Tripartite Innovation: An "Essential Diagnostics List," "Health in All Policies," and "See-Through 21 st Century Science and Ethics". <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 435-442.	1.0	14
151	Chronic exposure to chewing tobacco selects for overexpression of stearoyl-CoA desaturase in normal oral keratinocytes. <i>Cancer Biology and Therapy</i> , 2015, 16, 1593-1603.	1.5	31
152	Synthesis and characterization of a binary oxide ZrO ₂ -TiO ₂ and its application in chlorophyll dye-sensitized solar cell with reduced graphene oxide as counter electrodes. <i>Bulletin of Materials Science</i> , 2015, 38, 1129-1133.	0.8	15
153	Modeling pattern abstraction in cerebellum and estimation of optimal storage capacity. , 2015, , .		3
154	Spike encoding for pattern recognition: Comparing cerebellum granular layer encoding and BSA algorithms. , 2015, , .		4
155	Reconstructing fMRI BOLD signals arising from cerebellar granule neurons - comparing GLM and balloon models. , 2015, , .		1
156	GPGPU Implementation of a Spiking Neuronal Circuit Performing Sparse Recoding. <i>Lecture Notes in Computer Science</i> , 2015, , 285-297.	1.0	4
157	Pancreatic Cancer Database. <i>Cancer Biology and Therapy</i> , 2014, 15, 963-967.	1.5	57
158	Parameter optimization and nonlinear fitting for computational models in neuroscience on GPGPUs. , 2014, , .		4
159	Explicit Interactions by Users Form a Critical Element in Virtual Labs Aiding Enhanced Education -- A Case Study from Biotechnology Virtual Labs. , 2014, , .		10
160	Ready to Put Metadata on the Post-2015 Development Agenda? Linking Data Publications to Responsible Innovation and Science Diplomacy. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 1-9.	1.0	31
161	Proteogenomic analysis of pathogenic yeast <i>Cryptococcus neoformans</i> using high resolution mass spectrometry. <i>Clinical Proteomics</i> , 2014, 11, 5.	1.1	18
162	Translating Biotechnology to Knowledge-Based Innovation, Peace, and Development? Deploy a Science Peace Corps"An Open Letter to World Leaders. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 415-420.	1.0	6

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163	Proteomic analysis and genome annotation of <i>Pichia pastoris</i> , a recombinant protein expression host. <i>Proteomics</i> , 2014, 14, 2769-2779.	1.3	14
164	Parallelization of a Computational Model of a Biophysical Neuronal Circuitry of Rat Cerebellum. , 2014, , .		0
165	Brain Proteomics of <i>Anopheles gambiae</i> . <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 421-437.	1.0	14
166	Proteomic analysis of human vitreous humor. <i>Clinical Proteomics</i> , 2014, 11, 29.	1.1	114
167	Pt-CuO nanoparticles decorated reduced graphene oxide for the fabrication of highly sensitive non-enzymatic disposable glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 197-205.	4.0	128
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