

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	Proteogenomic Analysis of Mycobacterium tuberculosis By High Resolution Mass Spectrometry. Molecular and Cellular Proteomics, 2011, 10, M111.011445.	2.5	145
2	Pt-CuO nanoparticles decorated reduced graphene oxide for the fabrication of highly sensitive non-enzymatic disposable glucose sensor. Sensors and Actuators B: Chemical, 2014, 195, 197-205.	4.0	128
3	Proteomic analysis of human vitreous humor. Clinical Proteomics, 2014, 11, 29.	1.1	114
4	Quantitative tissue proteomics of esophageal squamous cell carcinoma for novel biomarker discovery. Cancer Biology and Therapy, 2011, 12, 510-522.	1.5	102
5	Strategy to enhance efficacy of doxorubicin in solid tumor cells by methyl- β -cyclodextrin: Involvement of p53 and Fas receptor ligand complex. Scientific Reports, 2015, 5, 11853.	1.6	95
6	Fabrication of a disposable non-enzymatic electrochemical creatinine sensor. Sensors and Actuators B: Chemical, 2017, 243, 589-595.	4.0	82
7	Single step synthesis of Au@CuO nanoparticles decorated reduced graphene oxide for high performance disposable nonenzymatic glucose sensor. Journal of Electroanalytical Chemistry, 2015, 743, 1-9.	1.9	65
8	Synovial fluid proteome in rheumatoid arthritis. Clinical Proteomics, 2016, 13, 12.	1.1	62
9	Single step modification of copper electrode for the highly sensitive and selective non-enzymatic determination of glucose. Mikrochimica Acta, 2010, 169, 49-55.	2.5	58
10	Pancreatic Cancer Database. Cancer Biology and Therapy, 2014, 15, 963-967.	1.5	57
11	Co@Cu alloy nanoparticles decorated TiO ₂ nanotube arrays for highly sensitive and selective nonenzymatic sensing of glucose. Sensors and Actuators B: Chemical, 2015, 215, 337-344.	4.0	56
12	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. Mikrochimica Acta, 2015, 182, 2183-2192.	2.5	54
13	Anacardic Acid Inhibits the Catalytic Activity of Matrix Metalloproteinase-2 and Matrix Metalloproteinase-9. Molecular Pharmacology, 2012, 82, 614-622.	1.0	53
14	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
15	Natural Product Anacardic Acid from Cashew Nut Shells Stimulates Neutrophil Extracellular Trap Production and Bactericidal Activity. Journal of Biological Chemistry, 2016, 291, 13964-13973.	1.6	50
16	Pulchellalactam: A CD45 Protein Tyrosine Phosphatase Inhibitor from the Marine Fungus Corollospora pulchella.. Journal of Antibiotics, 1998, 51, 515-517.	1.0	49
17	Homology Modeling of GLUT4, an Insulin Regulated Facilitated Glucose Transporter and Docking Studies with ATP and its Inhibitors. Journal of Biomolecular Structure and Dynamics, 2009, 26, 455-464.	2.0	49
18	What virtual laboratory usage tells us about laboratory skill education pre- and post-COVID-19: Focus on usage, behavior, intention and adoption. Education and Information Technologies, 2021, 26, 7477-7495.	3.5	47

#	ARTICLE	IF	CITATIONS
19	Proteomics of Human Aqueous Humor. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 283-293.	1.0	46
20	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
21	Epidermal Growth Factor Produces Inotropic and Chronotropic Effects in Rat Hearts by Increasing Cyclic AMP Accumulation. <i>Growth Factors</i> , 1993, 8, 41-48.	0.5	39
22	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
23	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
24	Autolysin mediated adherence of <i>Staphylococcus aureus</i> with Fibronectin, Gelatin and Heparin. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 179-184.	3.6	36
25	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
26	Regulation of cardiac adenylyl cyclase by Epidermal Growth Factor (EGF). <i>Biochemical Pharmacology</i> , 1993, 46, 1239-1245.	2.0	33
27	Macrophage migration inhibitory factor - a therapeutic target in gallbladder cancer. <i>BMC Cancer</i> , 2015, 15, 843.	1.1	33
28	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
29	Snake antivenom: Challenges and alternate approaches. <i>Biochemical Pharmacology</i> , 2020, 181, 114135.	2.0	33
30	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
31	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
32	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
33	Complementing Education via Virtual Labs: Implementation and Deployment of Remote Laboratories and Usage Analysis in South Indian Villages. <i>International Journal of Online Engineering</i> , 2016, 12, 8.	0.5	29
34	6-Shogaol induces caspase-independent paraptosis in cancer cells via proteasomal inhibition. <i>Experimental Cell Research</i> , 2018, 364, 243-251.	1.2	29
35	Enhanced Facilitation of Biotechnology Education in Developing Nations via Virtual Labs: Analysis, Implementation and Case-studies. <i>International Journal of Computer Theory and Engineering</i> , 2011, , 1-8.	3.2	29
36	Gold nanoparticle-polypyrrole composite modified TiO ₂ nanotube array electrode for the amperometric sensing of ascorbic acid. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 427-434.	1.5	27

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37	Tantalum oxide honeycomb architectures for the development of a non-enzymatic glucose sensor with wide detection range. <i>Biosensors and Bioelectronics</i> , 2013, 50, 472-477.	5.3	27
38	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
39	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
40	Regulation of hepatic glycolysis and gluconeogenesis by atrial natriuretic peptide. <i>Archives of Biochemistry and Biophysics</i> , 1992, 298, 640-645.	1.4	25
41	Epidermal growth factor stimulates cAMP accumulation in cultured rat cardiac myocytes. <i>Journal of Cellular Physiology</i> , 1992, 150, 559-567.	2.0	25
42	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
43	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
44	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
45	Synthesis and discovery of (1-3,II-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
46	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
47	Identification of Inhibitors of Inducible Nitric Oxide Synthase from Microbial Extracts.. <i>Journal of Antibiotics</i> , 2000, 53, 496-501.	1.0	23
48	An integrated signal transduction network of macrophage migration inhibitory factor. <i>Journal of Cell Communication and Signaling</i> , 2016, 10, 165-170.	1.8	23
49	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
50	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
51	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
52	Modeling Spike-Train Processing in the Cerebellum Granular Layer and Changes in Plasticity Reveal Single Neuron Effects in Neural Ensembles. <i>Computational Intelligence and Neuroscience</i> , 2012, 2012, 1-17.	1.1	21
53	Mutational Landscape of Esophageal Squamous Cell Carcinoma in an Indian Cohort. <i>Frontiers in Oncology</i> , 2020, 10, 1457.	1.3	21
54	Characterization of the bacteriophages binding to human matrix molecules. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 608-615.	3.6	20

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55	Virtual Labs Improve Studentâ€™s Performance in a Classroom. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 138-146.	0.2	20
56	Screening of Microbial Extracts for Tyrosine Kinase Inhibitors.. Journal of Antibiotics, 1997, 50, 264-266.	1.0	19
57	Phosphotyrosine profiling of curcumin-induced signaling. Clinical Proteomics, 2016, 13, 13.	1.1	19
58	Clove bud oil reduces kynurenine and inhibits pqs A gene expression in P. aeruginosa. Applied Microbiology and Biotechnology, 2016, 100, 3681-3692.	1.7	19
59	E74 like ETS transcription factor 3 (ELF3) is a negative regulator of epithelial- mesenchymal transition in bladder carcinoma. Cancer Biomarkers, 2019, 25, 223-232.	0.8	19
60	CD45 Tyrosine Phosphatase Inhibitory Components from Aspergillus niger.. Journal of Antibiotics, 2000, 53, 110-113.	1.0	18
61	An integrated map of corticotropinâ€™releasing hormone signaling pathway. Journal of Cell Communication and Signaling, 2013, 7, 295-300.	1.8	18
62	A multilectin affinity approach for comparative glycoprotein profiling of rheumatoid arthritis and spondyloarthritis. Clinical Proteomics, 2013, 10, 11.	1.1	18
63	Proteogenomic analysis of pathogenic yeast Cryptococcus neoformans using high resolution mass spectrometry. Clinical Proteomics, 2014, 11, 5.	1.1	18
64	Impregnation of catheters with anacardic acid from cashew nut shell prevents <i>Staphylococcus aureus</i> biofilm development. Journal of Applied Microbiology, 2018, 125, 1286-1295.	1.4	18
65	Dickkopf Homolog 3 (DKK3) Acts as a Potential Tumor Suppressor in Gallbladder Cancer. Frontiers in Oncology, 2019, 9, 1121.	1.3	18
66	Gold Nanoparticles Modified Titania Nanotube Arrays for Amperometric Determination of Ascorbic Acid. Analytical Letters, 2010, 43, 2809-2822.	1.0	17
67	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
68	Cupric Oxide Modified Screen Printed Electrode for the Nonenzymatic Glucose Sensing. Journal of Nanoscience and Nanotechnology, 2016, 16, 8772-8778.	0.9	16
69	Nitric Oxide and ERK mediates regulation of cellular processes by Ecdysterone. Experimental Cell Research, 2016, 346, 167-175.	1.2	16
70	Anacardic acid inhibits gelatinases through the regulation of Spry2, MMP-14, EMMPRIN and RECK. Experimental Cell Research, 2016, 349, 139-151.	1.2	16
71	Mass spectrometry-assisted venom profiling of Hypnale hypnale found in the Western Ghats of India incorporating de novo sequencing approaches. International Journal of Biological Macromolecules, 2018, 118, 1736-1746.	3.6	16
72	Neural Control using EEG as a BCI Technique for Low Cost Prosthetic Arms. , 2014, , .		16

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73	Sakshat Labs: India's Virtual Proteomics Initiative. PLoS Biology, 2012, 10, e1001353.	2.6	15
74	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. Bulletin of Materials Science, 2015, 38, 1129-1133.	0.8	15
75	Clove Bud Oil Modulates Pathogenicity Phenotypes of the Opportunistic Human Pathogen Pseudomonas aeruginosa. Scientific Reports, 2018, 8, 3437.	1.6	15
76	Recent insights into natural product inhibitors of matrix metalloproteinases. MedChemComm, 2019, 10, 2024-2037.	3.5	15
77	Sensitization of hepatocellular carcinoma cells towards doxorubicin and sorafenib is facilitated by glucose-dependent alterations in reactive oxygen species, P-glycoprotein and DKK4. Journal of Biosciences, 2020, 45, 1.	0.5	15
78	Biotechnology Virtual Labs: Facilitating Laboratory Access Anytime-Anywhere for Classroom Education. , 0, , .		15
79	E-learning booster in developing world. Nature, 2013, 501, 316-316.	13.7	14
80	Proteomic analysis and genome annotation of <i>Pichia pastoris</i> , a recombinant protein expression host. Proteomics, 2014, 14, 2769-2779.	1.3	14
81	Brain Proteomics of <i>Anopheles gambiae</i> . OMICS A Journal of Integrative Biology, 2014, 18, 421-437.	1.0	14
82	Implementing a Remote-Triggered Light Microscope. , 2014, , .		14
83	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" OMICS A Journal of Integrative Biology, 2015, 19, 435-442.	1.0	14
84	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
85	A Systems Model of Parkinson's Disease Using Biochemical Systems Theory. OMICS A Journal of Integrative Biology, 2017, 21, 454-464.	1.0	14
86	Facile pH-sensitive optical detection of pathogenic bacteria and cell imaging using multi-emissive nitrogen-doped carbon dots. Microchemical Journal, 2020, 159, 105324.	2.3	14
87	Manganese dioxide based electrochemical sensor for the detection of nitro-group containing organophosphates in vegetables and drinking water samples. Journal of Electroanalytical Chemistry, 2020, 859, 113841.	1.9	14
88	Whole-Exome Sequencing Analysis of Oral Squamous Cell Carcinoma Delineated by Tobacco Usage Habits. Frontiers in Oncology, 2021, 11, 660696.	1.3	14
89	A modeling based study on the origin and nature of evoked post-synaptic local field potentials in granular layer. Journal of Physiology (Paris), 2011, 105, 71-82.	2.1	13
90	Role of ICT-enabled virtual laboratories in biotechnology education: Case studies on blended and remote learning. , 2015, , .		12

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91	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
92	RECK and TIMP-2 mediate inhibition of MMP-2 and MMP-9 by Annona muricata. Journal of Biosciences, 2020, 45, 1.	0.5	12
93	Highly Sensitive and Wide Range Non-Enzymatic Electrochemical Detection of Cholesterol using Pencil Lead Electrodes. Journal of the Electrochemical Society, 2021, 168, 047515.	1.3	12
94	Altered phosphoinositide-specific phospholipase C and adenylyl cyclase in brain cortical membranes of cats with GM1 and GM2 gangliosidosis. Molecular Brain Research, 1991, 11, 265-271.	2.5	11
95	Transforming growth factor- β 1 modulates adenylyl cyclase signaling elements and epidermal growth factor signaling in cardiomyocytes. Journal of Cellular Physiology, 1995, 164, 232-239.	2.0	11
96	Toward Postgenomics Ophthalmology: A Proteomic Map of the Human Choroidâ€™Retinal Pigment Epithelium Tissue. OMICS A Journal of Integrative Biology, 2017, 21, 114-122.	1.0	11
97	Quantitative Proteomics of Urinary Bladder Cancer Cell Lines Identify UAP1 as a Potential Therapeutic Target. Genes, 2020, 11, 763.	1.0	11
98	Usage and Diffusion of Biotechnology Virtual Labs for Enhancing University Education in India's Urban and Rural Areas. Advances in Educational Technologies and Instructional Design Book Series, 2014, , 63-83.	0.2	11
99	Explicit Interactions by Users Form a Critical Element in Virtual Labs Aiding Enhanced Education -- A Case Study from Biotechnology Virtual Labs. , 2014, , .		10
100	Characterization of host response to Cryptococcus neoformans through quantitative proteomic analysis of cryptococcal meningitis co-infected with HIV. Molecular BioSystems, 2015, 11, 2529-2540.	2.9	10
101	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
102	Chronic Exposure to Cigarette Smoke and Chewing Tobacco Alters Expression of microRNAs in Esophageal Epithelial Cells. MicroRNA (Shariqah, United Arab Emirates), 2018, 7, 28-37.	0.6	10
103	Computationally EfficientBio-realistic Reconstructions of Cerebellar Neuron Spiking Patterns. , 2014, , .		9
104	Classifying gait features for stance and swing using machine learning. , 2017, , .		9
105	Automated and programmable electromagnetically actuated valves for microfluidic applications. Sensors and Actuators A: Physical, 2018, 283, 79-86.	2.0	9
106	Analysis of microarray data for identification of key microRNA signatures in glioblastoma multiforme. Oncology Letters, 2019, 18, 1938-1948.	0.8	9
107	Integrated Proteomic and Phosphoproteomics Analysis of DKK3 Signaling Reveals Activated Kinase in the Most Aggressive Gallbladder Cancer. Cells, 2021, 10, 511.	1.8	9
108	Screen-printed carbon electrode for the electrochemical detection of conjugated bilirubin. Materials Letters, 2021, 304, 130574.	1.3	8

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109	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
110	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
111	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
112	Classification of robotic arm movement using SVM and Naïve Bayes classifiers. , 2013, , .		7
113	Classification and clustering for neuroinformatics: Assessing the efficacy on reverse-mapped NeuroNLP data using standard ML techniques. , 2015, , .		7
114	Low-cost robotic articulator as an online education tool: Design, deployment and usage. , 2016, , .		7
115	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
116	(I-3,II-3)-Biacacetin-mediated cell death involves mitochondria. <i>Molecular and Cellular Biochemistry</i> , 2019, 451, 79-90.	1.4	7
117	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
118	Vertically Aligned TiO₂ Nanotube Arrays Decorated with CuO Mesoclusters for the Nonenzymatic Sensing of Glucose. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2732-2739.	0.9	7
119	Translating Biotechnology to Knowledge-Based Innovation, Peace, and Development? Deploy a Science Peace Corpsâ€”An Open Letter to World Leaders. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 415-420.	1.0	6
120	Mobile learning and biotechnology education via remote labs: Deployment-based study on real time shared resources. , 2015, , .		6
121	Role of Biotechnology simulation and remotely triggered virtual labs in complementing university education. , 2015, , .		6
122	Implementing a Web-Based Simulator with Explicit Neuron and Synapse Models to Aid Experimental Neuroscience and Theoretical Biophysics Education. <i>Lecture Notes in Electrical Engineering</i> , 2016, , 57-66.	0.3	6
123	Proteasomal dysfunction and ER stress triggers 2â€²â€”hydroxyâ€”retrochalconeâ€”induced paraptosis in cancer cells. <i>Cell Biology International</i> , 2021, 45, 164-176.	1.4	6
124	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
125	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
126	Categorizing imagined right and left motor imagery BCI tasks for low-cost robotic neuroprosthesis. , 2016, , .		5

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127	Online bio-robotics labs: Open hardware models and architecture. , 2016, , .		5
128	Delivering on the Promise of Bioeconomy in the Developing World: Link It with Social Innovation and Education. , 2016, , 73-81.		5
129	Computational modelling of apoptosis in parkinson's disease using biochemical systems theory. , 2017, , .		5
130	Understanding Cerebellum Granular Layer Network Computations through Mathematical Reconstructions of Evoked Local Field Potentials. Annals of Neurosciences, 2018, 25, 11-24.	0.9	5
131	Experimental Recording and Assessing Gait Phases Using Mobile Phone Sensors and EEG. , 2018, , .		5
132	Fabrication of Highly Sensitive Nonenzymatic Electrochemical H ₂ O ₂ Sensor Based on Pt Nanoparticles Anchored Reduced Graphene Oxide. Journal of Nanoscience and Nanotechnology, 2018, 18, 4380-4386.	0.9	5
133	Enhancement in mixing efficiency by ridges in straight and meander microchannels. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108217.	1.8	5
134	Highly Sensitive Voltammetric Immunosensing of Cancer Biomarkers HER2 and CA125 Using Gold Nanoparticles Anchored Reduced Graphene Oxide Enzyme-Free Nanolabel. Journal of the Electrochemical Society, 2022, 169, 037526.	1.3	5
135	Inhibition of hepatic adenylate cyclase by NADH. Life Sciences, 1991, 49, 915-923.	2.0	4
136	Parameter optimization and nonlinear fitting for computational models in neuroscience on GPGPUs. , 2014, , .		4
137	Exploiting point source approximation on detailed neuronal models to reconstruct single neuron electric field and population LFP. , 2015, , .		4
138	Spike encoding for pattern recognition: Comparing cerebellum granular layer encoding and BSA algorithms. , 2015, , .		4
139	EEG-based assessment of image sequence-based user authentication in computer network security. , 2016, , .		4
140	Computational reconstruction of fMRI-BOLD from neural activity. , 2016, , .		4
141	Virtual Laboratories in Biotechnology are Significant Educational Informatics Tools. , 2018, , .		4
142	Proteomic Alterations Associated with Oral Cancer Patients with Tobacco Using Habits. OMICS A Journal of Integrative Biology, 2021, 25, 255-268.	1.0	4
143	Development of a paper-based analytical device for the colourimetric detection of alanine transaminase and the application of deep learning for image analysis. Analytica Chimica Acta, 2021, 1188, 339158.	2.6	4
144	GPGPU Implementation of a Spiking Neuronal Circuit Performing Sparse Recoding. Lecture Notes in Computer Science, 2015, , 285-297.	1.0	4

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145	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
146	Alterations in messenger rna encoding atrial natriuretic hormone receptor A and C subtypes during hepatic regeneration. <i>Hepatology</i> , 1995, 21, 1682-1689.	3.6	3
147	Comparative Proteomic Analysis of <i>Candida albicans</i> and <i>Candida glabrata</i> . <i>Clinical Proteomics</i> , 2010, 6, 163-173.	1.1	3
148	Modeling pattern abstraction in cerebellum and estimation of optimal storage capacity. , 2015, , .		3
149	COMBINATORIAL EFFECT OF D-AMINOACIDS AND TETRACYCLINE AGAINST <i>PSEUDOMONAS AERUGINOSA</i> BIOFILM. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2016, 8, 216.	0.3	3
150	Optimization of microbial fuel cell (MFC) operated with waste water as substrate. , 2016, , .		3
151	Low cost neuro-inspired robots for sustainable laboratory education. , 2016, , .		3
152	Assessing short-term social media marketing outreach of a healthcare organization using machine learning. , 2017, , .		3
153	Modeling of Glutamate Pathway in Alzheimer's Disease using Biochemical Systems Theory. , 2018, , .		3
154	Experimental Recording and Computational Analysis of EEG signals for a Squeeze Task: Assessments and Impacts for Applications. , 2018, , .		3
155	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
156	Taking Project Tiger to the Classroom: A Virtual Lab Case Study. <i>Communications in Computer and Information Science</i> , 2011, , 337-348.	0.4	3
157	RECK and TIMP-2 mediate inhibition of MMP-2 and MMP-9 by. <i>Journal of Biosciences</i> , 2020, 45, .	0.5	3
158	Systematic understanding of anti-tumor mechanisms of Tamarixetin through network and experimental analyses. <i>Scientific Reports</i> , 2022, 12, 3966.	1.6	3
159	Increased Innate Immune Susceptibility in Hyperpigmented Bacteriophage-Resistant Mutants of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 0, , .	1.4	3
160	[21] Epidermal growth factor-mediated regulation of G proteins and adenylylcyclase in cardiac muscle. <i>Methods in Neurosciences</i> , 1996, 29, 319-343.	0.5	2
161	Information processing via post-synaptic EPSP-spike complex and model-based predictions of induced changes during plasticity in cerebellar granular neuron. , 2010, , .		2
162	Action potential and bursting phenomena using analog electrical neuron. , 2010, , .		2

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163	Efficient simulations of spiking neurons on parallel and distributed platforms: Towards large-scale modeling in computational neuroscience. , 2015, , .		2
164	Theme Interception Sequence Learning: Deflecting Rubber-Hose Attacks Using Implicit Learning. Advances in Intelligent Systems and Computing, 2015, , 495-502.	0.5	2
165	Computing LFP from biophysical models of neurons and neural microcircuits. , 2016, , .		2
166	Modeling basal ganglia microcircuits using spiking neurons. , 2016, , .		2
167	Biological treatment of domestic wastewater by selected aquatic plants. , 2017, , .		2
168	Design and Implementation of an Open-Source Browser-based Laboratory Platform for EEG Data Analysis. , 2018, , .		2
169	Peroxidase Labeled Antibody Conjugated Gold Nanoparticles for Ultrasensitive Voltammetric Immunosensing. IEEE Sensors Journal, 2020, 20, 1142-1149.	2.4	2
170	Draft Genome Sequence of a Lactobacillus fermentum Strain Isolated from Domestic Sewage in Kerala, India. Microbiology Resource Announcements, 2020, 9, .	0.3	2
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