

Yutaka Fukuoka

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

710
citations

567281

15
h-index

580821

25
g-index

60
all docs

60
docs citations

60
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-species differences of co-expression of neighboring genes in eukaryotic genomes. BMC Genomics, 2004, 5, 4.	2.8	82
2	Identification of pathogenesis-related microRNAs in hepatocellular carcinoma by expression profiling. Oncology Letters, 2012, 4, 817-823.	1.8	65
3	Analysis of the posture control system under fixed and sway-referenced support conditions. IEEE Transactions on Biomedical Engineering, 1997, 44, 331-336.	4.2	55
4	A modified back-propagation method to avoid false local minima. Neural Networks, 1998, 11, 1059-1072.	5.9	55
5	Human standing posture control system depending on adopted strategies. Medical and Biological Engineering and Computing, 2005, 43, 107-114.	2.8	39
6	A simple radiographic measurement method for polyethylene wear in total knee arthroplasty. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1999, 7, 228-233.	1.4	33
7	Characteristics of somatosensory feedback in postural control during standing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2001, 9, 145-153.	4.9	33
8	Downregulation of Plasma miR-215 in Chronic Myeloid Leukemia Patients with Successful Discontinuation of Imatinib. International Journal of Molecular Sciences, 2016, 17, 570.	4.1	31
9	A two-step drug repositioning method based on a protein-protein interaction network of genes shared by two diseases and the similarity of drugs. Bioinformatics, 2013, 9, 89-93.	0.5	27
10	Sensory Stimulation Triggers Spindles During Sleep Stage 2. Sleep, 2007, 30, 511-518.	1.1	26
11	Non-Contact Simultaneous Measurements of Electrocardiogram and Respiratory Movements Using Capacitive Sheet Electrodes. Advanced Biomedical Engineering, 2017, 6, 28-36.	0.6	23
12	Characteristics of visual feedback in postural control during standing. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1999, 7, 427-434.	1.4	21
13	Stability of the human upright stance depending on the frequency of external disturbances. Medical and Biological Engineering and Computing, 2008, 46, 213-221.	2.8	21
14	Accurate in vivo measurement of polyethylene wear in total knee arthroplasty. Journal of Arthroplasty, 2002, 17, 490-496.	3.1	20
15	Applicability of the Single Equivalent Moving Dipole Model in an Infinite Homogeneous Medium to Identify Cardiac Electrical Sources: A Computer Simulation Study in a Realistic Anatomic Geometry Torso Model. IEEE Transactions on Biomedical Engineering, 2006, 53, 2436-2444.	4.2	17
16	Range of motion measurement of an artificial hip joint using CT images. Medical and Biological Engineering and Computing, 2007, 45, 1229-1235.	2.8	13
17	Loss of NKX3-1 as a potential marker for an increased risk of occult lymph node metastasis and poor prognosis in oral squamous cell carcinoma. International Journal of Oncology, 2012, 40, 1907-14.	3.3	13
18	Underwater Electromyographic Measurement Using a Waterproof Insulated Electrode. Advanced Biomedical Engineering, 2012, 1, 81-88.	0.6	12

#	ARTICLE	IF	CITATIONS
19	Development of a Compact Wireless Laplacian Electrode Module for Electromyograms and Its Human Interface Applications. <i>Sensors</i> , 2013, 13, 2368-2383.	3.8	12
20	Postural stability during visual stimulation and the contribution from the vestibular apparatus. <i>Acta Oto-Laryngologica</i> , 2010, 130, 464-471.	0.9	11
21	Chronic stress evaluation using neural networks. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2000, 19, 34-38.	0.8	8
22	Method for guiding the ablation catheter to the ablation site: a simulation and experimental study. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 267-278.	2.8	8
23	Systems analysis of inflammatory bowel disease based on comprehensive gene information. <i>BMC Medical Genetics</i> , 2012, 13, 25.	2.1	8
24	Determination of the position and orientation of artificial knee implants using markers embedded in a bone: preliminary in vitro experiments. <i>Medical Engineering and Physics</i> , 2003, 25, 419-424.	1.7	6
25	Lower expression of genes near microRNA in <i>C. elegans</i> germline. <i>BMC Bioinformatics</i> , 2006, 7, 112.	2.6	6
26	Temporal change in IL-6 mRNA and protein expression produced by cyclic stretching of human pulmonary artery endothelial cells. <i>International Journal of Molecular Medicine</i> , 2012, 30, 509-513.	4.0	6
27	Time course of the recovery of three-dimensional eye position in patients with acute cerebellitis. <i>Auris Nasus Larynx</i> , 2012, 39, 540-543.	1.2	6
28	Effect of Gaze and Auditory Stimulation on Body Sway Direction during Standing. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 1800-1805.	0.2	5
29	Spectral Broadening Error Caused by the Specularly Reflected Beams from Channel Wall in Laser Doppler Velocimetry. <i>Japanese Journal of Applied Physics</i> , 1990, 29, 1209-1214.	1.5	4
30	Cross-coupling in a body-translating reaction: interaural optokinetic stimulation reflects a gravitational cue. <i>Acta Oto-Laryngologica</i> , 2007, 127, 273-279.	0.9	4
31	Optokinetic stimulation can break Listing's law without induction of eye movement. <i>Auris Nasus Larynx</i> , 2013, 40, 343-347.	1.2	4
32	Influence of Potential Therapy on Autonomic Nerve and Axillary Temperature. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2019, 139, 845-846.	0.2	4
33	A catheter guiding method for ablative therapy of cardiac arrhythmias by application of an inverse solution to body surface electrocardiographic signals. , 0, , .		3
34	Pose estimation of artificial hip joint using a single radiographic projection. <i>Medical and Biological Engineering and Computing</i> , 2003, 41, 94-100.	2.8	3
35	Machine Learning Approach for Predicting New Uses of Existing Drugs and Evaluation of Their Reliabilities. <i>Methods in Molecular Biology</i> , 2019, 1903, 269-279.	0.9	3
36	A strategy to account for noise in the X-variable to reduce underestimation in Logan graphical analysis for quantifying receptor density in positron emission tomography. <i>BMC Medical Imaging</i> , 2020, 20, 15.	2.7	3

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37	Genome-wide integrative analysis revealed a correlation between lengths of copy number segments and corresponding gene expression profile. <i>Bioinformatics</i> , 2011, 7, 280-284.	0.5	3
38	Contribution of the Vestibular Apparatus to Postural Control when Rising from a Chair. <i>Acta Oto-Laryngologica</i> , 2003, 123, 1054-1059.	0.9	2
39	Evidence of spatially bound gene regulation in <i>Mus musculus</i> : Decreased gene expression proximal to microRNA genomic location. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5020-5025.	7.1	2
40	Derivation of NARX models by expanding activation functions in neural networks. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 1209-1218.	1.4	2
41	Improving contrast between gray and white matter of Logan graphical analysisâ€™ parametric images in positron emission tomography through least-squares cubic regression and principal component analysis. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 035003.	1.2	2
42	Adaptive thresholds to detect differentially expressed genes in microarray data. <i>Bioinformatics</i> , 2011, 7, 33-37.	0.5	2
43	Spiral opticalâ€™frequency shifter for lowerâ€™velocity measurement of the laser Doppler velocimeter. <i>Review of Scientific Instruments</i> , 1989, 60, 508-510.	1.3	1
44	Nonlinearity identified by neural network models in P CO 2 control system in humans. <i>Medical and Biological Engineering and Computing</i> , 1997, 35, 33-39.	2.8	1
45	Adaptive threshold to detect biologically meaningful changes in microarray data. , 2008, 2008, 5708-11.		1
46	Adaptive threshold for detecting differentially expressed genes in microarray data - a simulation study to investigate its performance. , 2010, 2010, 5516-9.		1
47	Changes in Autonomic Nervous System and Axillary Temperature Caused by Electric Potential Therapy. , 2020, 2020, 5198-5201.		1
48	Relationship between Attention and Effect of Gaze or Auditory Stimulation on Directions of Postural Sway. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2021, 141, 520-524.	0.2	1
49	Relationship between Stability of Subjective Straight Ahead and Effect of Gaze on Body Sway Direction Induced by Neck Dorsal Muscles Stimulation. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2017, 137, 579-583.	0.2	1
50	Velocity and moving angle measurements of solid surfaces by simple velocimetry. <i>Review of Scientific Instruments</i> , 1988, 59, 993-995.	1.3	0
51	Time course analysis of angular control of the body and head while rising from a chair. <i>Acta Oto-Laryngologica</i> , 2004, 124, 798-802.	0.9	0
52	Effects of cyclic stretch on early response gene expressions in normal human pulmonary artery endothelial cells in vitro. , 2010, , .		0
53	Genome-wide DNA methylation analysis in tumor and normal tissues from lung squamous cell carcinoma and serous cystadenocarcinoma. , 2010, , .		0
54	Systemes analysis of interactions between microRNAs and genes in hepatocellular carcinoma. , 2013, 2013, 600-3.		0

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55	Concentric bipolar active electrode for noninvasive biopotential measurement in autonomic nervous system. , 2013, , .		0
56	Information Encoding Methods for a Balance Assist Device Using Vibrotactile Feedback. , 2018, 2018, 5606-5609.		0
57	A New Implementation Method of the Reverse Engineering Algorithm to Elucidate Gene Functional Dependencies. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 1712-1718.	0.2	0
58	Timer for Pressure Ulcer Prevention. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 634-635.	0.2	0
59	Application of correlated component analysis to dynamic PET time-activity curves denoising. , 2021, 2021, 3680-3683.		0