Marco Massimo Fato

List of Publications by Year
in descending order

57	1,541	471509 17	330143 37
papers	citations	h-index	g-index

59	59	59	2631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A model to prioritize access to elective surgery on the basis of clinical urgency and waiting time. BMC Health Services Research, 2009, 9, 1.	2.2	257
2	Consistency of EEG source localization and connectivity estimates. NeuroImage, 2017, 152, 590-601.	4.2	177
3	Microenvironment complexity and matrix stiffness regulate breast cancer cell activity in a 3D in vitro model. Scientific Reports, 2016, 6, 35367.	3.3	172
4	A new cell-laden 3D Alginate-Matrigel hydrogel resembles human breast cancer cell malignant morphology, spread and invasion capability observed â€œin vivoâ€• Scientific Reports, 2018, 8, 5333.	3.3	118
5	In vitro models replicating the human intestinal epithelium for absorption and metabolism studies: A systematic review. Journal of Controlled Release, 2021, 335, 247-268.	9.9	80
6	SEEG assistant: a 3DSlicer extension to support epilepsy surgery. BMC Bioinformatics, 2017, 18, 124.	2.6	68
7	Long-range phase synchronization of high-frequency oscillations in human cortex. Nature Communications, 2020, 11, 5363.	12.8	58
8	Automatic segmentation of deep intracerebral electrodes in computed tomography scans. BMC Bioinformatics, 2015, 16, 99.	2.6	51
9	High blood flow shear stress values are associated with circulating tumor cells cluster disaggregation in a multi-channel microfluidic device. PLoS ONE, 2021, 16, e0245536.	2.5	31
10	Swimming behavior regulation by GABAB receptors in Paramecium. Experimental Cell Research, 2003, 291, 398-405.	2.6	28
11	Improvement in White Matter Tract Reconstruction with Constrained Spherical Deconvolution and Track Density Mapping in Low Angular Resolution Data: A Pediatric Study and Literature Review. Frontiers in Pediatrics, 2017, 5, 182.	1.9	28
12	Fluid phase and receptor-mediated endocytosis in Paramecium primaurelia by fluorescence confocal laser scanning microscopy. European Biophysics Journal, 2001, 30, 305-312.	2.2	25
13	Simulation of the Biomechanical Behavior of the Skin in Virtual Surgical Applications by Finite Element Method. IEEE Transactions on Biomedical Engineering, 2005, 52, 1514-1521.	4.2	24
14	Improvement in volume estimation from confocal sections after image deconvolution. Microscopy Research and Technique, 2004, 64, 151-155.	2.2	23
15	A dataset of stereoscopic images and ground-truth disparity mimicking human fixations in peripersonal space. Scientific Data, 2017, 4, 170034.	5.3	22
16	An integrated environment for plastic surgery support: building virtual patients, simulating interventions, and supporting intraoperative decisions. Computerized Medical Imaging and Graphics, 2005, 29, 385-394.	5.8	21
17	Endocytosis of GABAB receptors modulates membrane excitability in the single-celled organism Paramecium. Journal of Cell Science, 2006, 119, 2056-2064.	2.0	18
18	Hydroxyapatite-Coated Polycaprolacton Wide Mesh as a Model of Open Structure for Bone Regeneration. Tissue Engineering - Part A, 2009, 15, 155-163.	3.1	18

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19	A digital repository with an extensible data model for biobanking and genomic analysis management. BMC Genomics, 2014, 15, S3.	2.8	17
20	Distinctive neuronal firing patterns in subterritories of the subthalamic nucleus. Clinical Neurophysiology, 2016, 127, 3387-3393.	1.5	17
21	Changes in the endoplasmic reticulum structure of Paramecium primaurelia in relation to different cellular physiological states. Journal of Photochemistry and Photobiology B: Biology, 2000, 54, 35-42.	3.8	15
22	The GABAergicâ€like system in the marine demosponge Chondrilla nucula. Microscopy Research and Technique, 2007, 70, 944-951.	2.2	15
23	Quantitative susceptibility map analysis in preterm neonates with germinal matrixâ€intraventricular hemorrhage. Journal of Magnetic Resonance Imaging, 2018, 48, 1199-1207.	3.4	15
24	GABA receptor subunits identified in by immunofluorescence confocal microscopy. FEMS Microbiology Letters, 2004, 238, 449-453.	1.8	14
25	Mapping cholesteryl ester analogue uptake and intracellular flow in Paramecium by confocal fluorescence microscopy. Journal of Microscopy, 2002, 208, 167-176.	1.8	13
26	GABAAreceptor subunits identified inParameciumby immunofluorescence confocal microscopy. FEMS Microbiology Letters, 2004, 238, 449-453.	1.8	13
27	A Three-Dimensional Traction/Torsion Bioreactor System for Tissue Engineering. International Journal of Artificial Organs, 2010, 33, 362-369.	1.4	13
28	Structural Connectivity Analysis in Children with Segmental Callosal Agenesis. American Journal of Neuroradiology, 2017, 38, 639-647.	2.4	13
29	3D Perfusable Hydrogel Recapitulating the Cancer Dynamic Environment to in Vitro Investigate Metastatic Colonization. Polymers, 2020, 12, 2467.	4.5	13
30	Spontaneous movements in the newborns: a tool of quantitative video analysis of preterm babies. Computer Methods and Programs in Biomedicine, 2021, 199, 105838.	4.7	13
31	Studies on the structure of sperm heads ofEledone cirrhosa by means of CLSM linked to bioimage-oriented devices. , 1997, 36, 159-164.		12
32	A Virtual Reality System for the Training of Volunteers Involved in Health Emergency Situations. Cyberpsychology, Behavior and Social Networking, 2003, 6, 267-274.	2.2	12
33	GABAB receptor intracellular trafficking after internalization inParamecium. Microscopy Research and Technique, 2005, 68, 290-295.	2.2	12
34	Î³-Amino butyric acid (GABA) release in the ciliated protozoonParameciumoccurs by neuronal-like exocytosis. Journal of Experimental Biology, 2010, 213, 1251-1258.	1.7	12
35	Time-variant analysis of organelle and vesicle movement during phagocytosis inParamecium primaurelia by means of fluorescence confocal laser scanning microscopy. , 1996, 35, 377-384.		11
36	Metabotropic Î³â€aminobutyric acid (GABA_B) receptors modulate feeding behavior in the calcisponge Leucandra aspera. Journal of Experimental Zoology, 2011, 315A, 132-140.	1.2	11

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37	A Grid-based solution for management and analysis of microarrays in distributed experiments. BMC Bioinformatics, 2007, 8, S7.	2.6	10
38	A repository based on a dynamically extensible data model supporting multidisciplinary research in neuroscience. BMC Medical Informatics and Decision Making, 2012, 12, 115.	3.0	10
39	Effect of the bioactive metabolite euplotin C on phagocytosis and fluid-phase endocytosis in the single-celled eukaryote Paramecium. Aquatic Toxicology, 2007, 85, 67-75.	4.0	9
40	Functional imaging of living Paramecium by means of confocal and two-photon excitation fluorescence microscopy. , 2002, , .		7
41	Gamma-aminobutyric acid and related molecules in the sea fan Eunicella cavolini (Cnidaria:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 187-196.	2.9	7
42	Cytofluorometry and fluorescence confocal laser scanning microscopy (CLSM) in the study of neutral lipid dynamics inParamecium primaurelia mating types during cell line development. , 1999, 35, 346-352.		5
43	Web and Computer Telephone-Based Diabetes Education: Lessons Learnt from the Development and Use of a Call Center. Journal of Medical Systems, 2005, 29, 343-355.	3.6	4
44	A Web-based and Grid-enabled dChip version for the analysis of large sets of gene expression data. BMC Bioinformatics, 2008, 9, 480.	2.6	4
45	A web-based system to manage elective waiting lists: efficiency and equity issues. International Journal of Healthcare Technology and Management, 2009, 10, 277.	0.1	4
46	Three-dimensional reconstruction of Paramecium primaurelia oral apparatus through confocal laser scanning optical microscopy. Micron and Microscopica Acta, 1992, 23, 403-412.	0.2	3
47	Recent results in color compositing of three-parameter magnetic resonance scans as a preoperative aid to the management of upper limb sarcomas. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1997, 5, 289-298.	2.0	3
48	<title>Three-dimensional visualization and navigation tool for diagnostic and surgical planning applications</title>. , 2001, 4319, 507.		3
49	Imaging of Endocytosis in Paramecium by Confocal Microscopy. , 0, , .		3
50	Image analysis of lysosomal activity during the early clonal life ofParamecium primaurelia. FEMS Microbiology Letters, 1995, 125, 57-61.	1.8	2
51	Efficiency and priority in planning surgical sessions by using the SWALIS model. , 2010, , .		2
52	A three-dimensional traction/torsion bioreactor system for tissue engineering. International Journal of Artificial Organs, 2010, 33, 362-9.	1.4	2
53	Use of 24-bit false-color imagery to enhance visualization of multiparameter MR images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1994, 2, 551-558.	2.0	1
54	Grid-distributed Statistical Parametric Mapping of SPECT and PET Neuroimages. Neuroinformatics, 2011, 9, 85-90.	2.8	1

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55	Pediatric Brain Tissue Segmentation from MRI using Clustering: a Preliminary Study. , 2019, 2019, 6557-6560.		0
56	A Grid-enabled web platform for integrated digital biobanking in paediatrics. EMBnet Journal, 2012, 18, 118.	0.6	0
57	The GENUA PESTO Database - GENoa hUman Active fixation database: PEripersonal space STereoscopic images and grOund truth disparity. Journal of Vision, 2017, 17, 1067.	0.3	0