

# Marco Massimo Fato

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,541  
citations

471509

17  
h-index

330143

37  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous movements in the newborns: a tool of quantitative video analysis of preterm babies. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 199, 105838.	4.7	13
2	High blood flow shear stress values are associated with circulating tumor cells cluster disaggregation in a multi-channel microfluidic device. <i>PLoS ONE</i> , 2021, 16, e0245536.	2.5	31
3	In vitro models replicating the human intestinal epithelium for absorption and metabolism studies: A systematic review. <i>Journal of Controlled Release</i> , 2021, 335, 247-268.	9.9	80
4	Long-range phase synchronization of high-frequency oscillations in human cortex. <i>Nature Communications</i> , 2020, 11, 5363.	12.8	58
5	3D Perfusible Hydrogel Recapitulating the Cancer Dynamic Environment to in Vitro Investigate Metastatic Colonization. <i>Polymers</i> , 2020, 12, 2467.	4.5	13
6	Pediatric Brain Tissue Segmentation from MRI using Clustering: a Preliminary Study. , 2019, 2019, 6557-6560.		0
7	A new cell-laden 3D Alginate-Matrigel hydrogel resembles human breast cancer cell malignant morphology, spread and invasion capability observed <i>in vivo</i> . <i>Scientific Reports</i> , 2018, 8, 5333.	3.3	118
8	Quantitative susceptibility map analysis in preterm neonates with germinal matrix <i>intra</i> ventricular hemorrhage. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1199-1207.	3.4	15
9	Structural Connectivity Analysis in Children with Segmental Callosal Agenesis. <i>American Journal of Neuroradiology</i> , 2017, 38, 639-647.	2.4	13
10	Consistency of EEG source localization and connectivity estimates. <i>NeuroImage</i> , 2017, 152, 590-601.	4.2	177
11	SEEG assistant: a 3DSlicer extension to support epilepsy surgery. <i>BMC Bioinformatics</i> , 2017, 18, 124.	2.6	68
12	A dataset of stereoscopic images and ground-truth disparity mimicking human fixations in peripersonal space. <i>Scientific Data</i> , 2017, 4, 170034.	5.3	22
13	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. <i>Frontiers in Pediatrics</i> , 2017, 5, 182.	1.9	28
14	The GENUA PESTO Database - GENoa hUman Active fixation database: PEripersonal space STereoscopic images and grOund truth disparity. <i>Journal of Vision</i> , 2017, 17, 1067.	0.3	0
15	Distinctive neuronal firing patterns in subterritories of the subthalamic nucleus. <i>Clinical Neurophysiology</i> , 2016, 127, 3387-3393.	1.5	17
16	Microenvironment complexity and matrix stiffness regulate breast cancer cell activity in a 3D in vitro model. <i>Scientific Reports</i> , 2016, 6, 35367.	3.3	172
17	Automatic segmentation of deep intracerebral electrodes in computed tomography scans. <i>BMC Bioinformatics</i> , 2015, 16, 99.	2.6	51
18	A digital repository with an extensible data model for biobanking and genomic analysis management. <i>BMC Genomics</i> , 2014, 15, S3.	2.8	17

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19	A repository based on a dynamically extensible data model supporting multidisciplinary research in neuroscience. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 115.	3.0	10
20	A Grid-enabled web platform for integrated digital biobanking in paediatrics. <i>EMBnet Journal</i> , 2012, 18, 118.	0.6	0
21	Grid-distributed Statistical Parametric Mapping of SPECT and PET Neuroimages. <i>Neuroinformatics</i> , 2011, 9, 85-90.	2.8	1
22	Metabotropic $\gamma$ -aminobutyric acid (GABA <sub>B</sub> ) receptors modulate feeding behavior in the calcsponge <i>Leucandra aspera</i> . <i>Journal of Experimental Zoology</i> , 2011, 315A, 132-140.	1.2	11
23	A Three-Dimensional Traction/Torsion Bioreactor System for Tissue Engineering. <i>International Journal of Artificial Organs</i> , 2010, 33, 362-369.	1.4	13
24	$\gamma$ -Amino butyric acid (GABA) release in the ciliated protozoan <i>Paramecium</i> occurs by neuronal-like exocytosis. <i>Journal of Experimental Biology</i> , 2010, 213, 1251-1258.	1.7	12
25	Efficiency and priority in planning surgical sessions by using the SWALIS model. , 2010, , .		2
26	A three-dimensional traction/torsion bioreactor system for tissue engineering. <i>International Journal of Artificial Organs</i> , 2010, 33, 362-9.	1.4	2
27	A model to prioritize access to elective surgery on the basis of clinical urgency and waiting time. <i>BMC Health Services Research</i> , 2009, 9, 1.	2.2	257
28	Hydroxyapatite-Coated Polycaprolacton Wide Mesh as a Model of Open Structure for Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2009, 15, 155-163.	3.1	18
29	A web-based system to manage elective waiting lists: efficiency and equity issues. <i>International Journal of Healthcare Technology and Management</i> , 2009, 10, 277.	0.1	4
30	A Web-based and Grid-enabled dChip version for the analysis of large sets of gene expression data. <i>BMC Bioinformatics</i> , 2008, 9, 480.	2.6	4
31	Effect of the bioactive metabolite euplotin C on phagocytosis and fluid-phase endocytosis in the single-celled eukaryote <i>Paramecium</i> . <i>Aquatic Toxicology</i> , 2007, 85, 67-75.	4.0	9
32	The GABAergic-like system in the marine demosponge <i>Chondrilla nucula</i> . <i>Microscopy Research and Technique</i> , 2007, 70, 944-951.	2.2	15
33	A Grid-based solution for management and analysis of microarrays in distributed experiments. <i>BMC Bioinformatics</i> , 2007, 8, S7.	2.6	10
34	Gamma-aminobutyric acid and related molecules in the sea fan <i>Eunicella cavolini</i> (Cnidaria:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T</i> 187-196.	2.9	7
35	Endocytosis of GABAB receptors modulates membrane excitability in the single-celled organism <i>Paramecium</i> . <i>Journal of Cell Science</i> , 2006, 119, 2056-2064.	2.0	18
36	An integrated environment for plastic surgery support: building virtual patients, simulating interventions, and supporting intraoperative decisions. <i>Computerized Medical Imaging and Graphics</i> , 2005, 29, 385-394.	5.8	21

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37	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
38	GABAB receptor intracellular trafficking after internalization in Paramecium. Microscopy Research and Technique, 2005, 68, 290-295.	2.2	12
39	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
40	GABA A receptor subunits identified in Paramecium by immunofluorescence confocal microscopy. FEMS Microbiology Letters, 2004, 238, 449-453.	1.8	13
41	Improvement in volume estimation from confocal sections after image deconvolution. Microscopy Research and Technique, 2004, 64, 151-155.	2.2	23
42	GABA receptor subunits identified in by immunofluorescence confocal microscopy. FEMS Microbiology Letters, 2004, 238, 449-453.	1.8	14
43	Swimming behavior regulation by GABAB receptors in Paramecium. Experimental Cell Research, 2003, 291, 398-405.	2.6	28
44	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
45	Functional imaging of living Paramecium by means of confocal and two-photon excitation fluorescence microscopy. , 2002, , .		7
46	Mapping cholesteryl ester analogue uptake and intracellular flow in Paramecium by confocal fluorescence microscopy. Journal of Microscopy, 2002, 208, 167-176.	1.8	13
47	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
48	<title>Three-dimensional visualization and navigation tool for diagnostic and surgical planning applications</title>. , 2001, 4319, 507.		3
49	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
50	Cytofluorometry and fluorescence confocal laser scanning microscopy (CLSM) in the study of neutral lipid dynamics in Paramecium primaurelia mating types during cell line development. , 1999, 35, 346-352.		5
51	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
52	Studies on the structure of sperm heads of Eledone cirrhosa by means of CLSM linked to bioimage-oriented devices. , 1997, 36, 159-164.		12
53	Time-variant analysis of organelle and vesicle movement during phagocytosis in Paramecium primaurelia by means of fluorescence confocal laser scanning microscopy. , 1996, 35, 377-384.		11
54	Image analysis of lysosomal activity during the early clonal life of Paramecium primaurelia. FEMS Microbiology Letters, 1995, 125, 57-61.	1.8	2

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55	Use of 24-bit false-color imagery to enhance visualization of multiparameter MR images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1994, 2, 551-558.	2.0	1
56	Three-dimensional reconstruction of <i>Paramecium primaurelia</i> oral apparatus through confocal laser scanning optical microscopy. <i>Micron and Microscopica Acta</i> , 1992, 23, 403-412.	0.2	3
57	Imaging of Endocytosis in <i>Paramecium</i> by Confocal Microscopy. , 0, , .		3