Gabriel G Martins

List of Publications by Year
in descending order

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41 papers	1,848 citations	331259 21 h-index	360668 35 g-index
44 all docs	44 docs citations	44 times ranked	3499 citing authors

#	Article	IF	Citations
1	Three and Four-Dimensional Visualization and Analysis Approaches to Study Vertebrate Axial Elongation and Segmentation. Journal of Visualized Experiments, 2021, , .	0.2	1
2	Highlights from the 2016-2020 NEUBIAS training schools for Bioimage Analysts: a success story and key asset for analysts and life scientists. F1000Research, 2021, 10, 334.	0.8	10
3	REMBI: Recommended Metadata for Biological Imagesâ€"enabling reuse of microscopy data in biology. Nature Methods, 2021, 18, 1418-1422.	9.0	63
4	QUAREPâ€LiMi: A communityâ€driven initiative to establish guidelines for quality assessment and reproducibility for instruments and images in light microscopy. Journal of Microscopy, 2021, 284, 56-73.	0.8	33
5	A Birdâ€™s Eye View on the Origin of Aortic Hemogenic Endothelial Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 605274.	1.8	0
6	A Tgfbr1/Snai1-dependent developmental module at the core of vertebrate axial elongation. ELife, 2020, 9, .	2.8	34
7	Usefulness of zebrafish larvae to evaluate drug-induced functional and morphological renal tubular alterations. Archives of Toxicology, 2018, 92, 411-423.	1.9	39
8	A thyroid hormone regulated asymmetric responsive centre is correlated with eye migration during flatfish metamorphosis. Scientific Reports, 2018, 8, 12267.	1.6	28
9	Threeâ€dimensional imaging flow cytometry through lightâ€sheet fluorescence microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 144-151.	1.1	39
10	Super-resolution in light microscopy. Ultrastructural Pathology, 2017, 41, 117-117.	0.4	0
11	Evaluation of nanofibrous scaffolds obtained from blends of chitosan, gelatin and polycaprolactone for skin tissue engineering. International Journal of Biological Macromolecules, 2017, 102, 1174-1185.	3.6	134
12	Hydrogen peroxide regulates angiogenesis-related factors in tumor cells. Biochemistry and Cell Biology, 2017, 95, 679-685.	0.9	8
13	Floccular fossa size is not a reliable proxy of ecology and behaviour in vertebrates. Scientific Reports, 2017, 7, 2005.	1.6	49
14	Optical micro-tomography â€œOPenTâ€•allows the study of large toadfish Halobatrachus didactylus embryos and larvae. Mechanisms of Development, 2016, 140, 19-24.	1.7	8
15	Proteomic dataset of the sea urchin Paracentrotus lividus adhesive organs and secreted adhesive. Data in Brief, 2016, 7, 1497-1505.	0.5	3
16	Deciphering the molecular mechanisms underlying sea urchin reversible adhesion: A quantitative proteomics approach. Journal of Proteomics, 2016, 138, 61-71.	1.2	35
17	Hydrogen peroxide regulates cell adhesion through the redox sensor RPSA. Free Radical Biology and Medicine, 2016, 90, 145-157.	1.3	15
18	Helicobacter pullorum induces nitric oxide release in murine macrophages that promotes phagocytosis and killing. Microbiology (United Kingdom), 2016, 162, 503-512.	0.7	10

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19	Sympathetic Neuro-adipose Connections Mediate Leptin-Driven Lipolysis. Cell, 2015, 163, 84-94.	13.5	363
20	In vitro and in vivo evaluation of electrospun nanofibers of PCL, chitosan and gelatin: A comparative study. Materials Science and Engineering C, 2015, 46, 348-358.	3.8	210
21	N-Cadherin Locks Left-Right Asymmetry by Ending the Leftward Movement of Hensenâ€™s Node Cells. Developmental Cell, 2014, 30, 353-360.	3.1	8
22	The quail anatomy portal. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau028-bau028.	1.4	1
23	Going "open" with Mesoscopy: a new dimension on multi-view imaging. Protoplasma, 2014, 251, 363-372.	1.0	12
24	OpenSpinMicroscopy: an open-source integrated microscopy platform. Nature Methods, 2013, 10, 599-600.	9.0	111
25	In vitro evaluation of crosslinked electrospun fish gelatin scaffolds. Materials Science and Engineering C, 2013, 33, 1219-1227.	3.8	77
26	Bringing Dicynodonts Back to Life: Paleobiology and Anatomy of a New Emydopoid Genus from the Upper Permian of Mozambique. PLoS ONE, 2013, 8, e80974.	1.1	78
27	Fibronectin promotes migration, alignment and fusion in an in vitro myoblast cell model. Cell and Tissue Research, 2012, 348, 569-578.	1.5	63
28	A role for microtubules in endothelial cell protrusion in threeâ€dimensional matrices. Biology of the Cell, 2012, 104, 271-286.	0.7	11
29	Extracellular matrix remodeling accompanies axial muscle development and morphogenesis in the mouse. Developmental Dynamics, 2012, 241, 350-364.	0.8	20
30	P14. Extracellular matrix deposition and function in the early chick embryo. Differentiation, 2010, 80, S22.	1.0	0
31	Dynamic 3D Cell Rearrangements Guided by a Fibronectin Matrix Underlie Somitogenesis. PLoS ONE, 2009, 4, e7429.	1.1	62
32	03-P131 Dynamic 3D cell rearrangements guided by a fibronectin matrix underlie somitogenesis. Mechanisms of Development, 2009, 126, S105-S106.	1.7	0
33	Pyrazolylâ€“Diamine Ligands That Bear Anthracenyl Moieties and Their Rhenium(I) Tricarbonyl Complexes: Synthesis, Characterisation and DNAâ€Binding Properties. ChemBioChem, 2008, 9, 131-142.	1.3	42
34	Endothelial cell protrusion and migration in three-dimensional collagen matrices. Cytoskeleton, 2006, 63, 101-115.	4.4	46
35	Integrin Î±6Î²1-laminin interactions regulate early myotome formation in the mouse embryo. Development (Cambridge), 2006, 133, 1635-1644.	1.2	52
36	Nuclear trafficking of FGFR1: A role for the transmembrane domain. Journal of Cellular Biochemistry, 2003, 88, 1273-1291.	1.2	72

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37	Integrative nuclear FGFR1 signaling (INFS) pathway mediates activation of the tyrosine hydroxylase gene by angiotensin II, depolarization and protein kinase C. Journal of Neurochemistry, 2002, 81, 506-524.	2.1	86
38	The Preparation of Stereoscopic 3D Illustrations of Confocal Data Sets for Publications and Slides. , 1999, 122, 385-402.		2
39	Cells are added to the archenteron during and following secondary invagination in the sea urchin Lytechinus variegatus. Developmental Biology, 1998, 198, 330-342.	0.9	5
40	Cells Are Added to the Archenteron during and Following Secondary Invagination in the Sea UrchinLytechinus variegatus. Developmental Biology, 1998, 198, 330-342.	0.9	15
41	Optical projection tomography. , 0, , .		2