

Emmanuel Reynaud

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

8,128
citations

279798

23
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

13908
citing authors

#	ARTICLE	IF	CITATIONS
1	The third dimension bridges the gap between cell culture and live tissue. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 839-845.	37.0	2,276
2	Structure and function of the global ocean microbiome. <i>Science</i> , 2015, 348, 1261359.	12.6	2,137
3	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	12.6	842
4	A Holistic Approach to Marine Eco-Systems Biology. <i>PLoS Biology</i> , 2011, 9, e1001177.	5.6	353
5	Assessing phototoxicity in live fluorescence imaging. <i>Nature Methods</i> , 2017, 14, 657-661.	19.0	346
6	A global ocean atlas of eukaryotic genes. <i>Nature Communications</i> , 2018, 9, 373.	12.8	297
7	Mechanosensing in actin stress fibers revealed by a close correlation between force and protein localization. <i>Journal of Cell Science</i> , 2009, 122, 1665-1679.	2.0	235
8	Guide to light-sheet microscopy for adventurous biologists. <i>Nature Methods</i> , 2015, 12, 30-34.	19.0	191
9	Light sheet-based fluorescence microscopy: More dimensions, more photons, and less photodamage. <i>HFSP Journal</i> , 2008, 2, 266-275.	2.5	180
10	Three-dimensional tissue cultures: current trends and beyond. <i>Cell and Tissue Research</i> , 2013, 352, 123-131.	2.9	149
11	In migrating cells, the Golgi complex and the position of the centrosome depend on geometrical constraints of the substratum. <i>Journal of Cell Science</i> , 2008, 121, 2406-2414.	2.0	139
12	Secretory Cargo Regulates the Turnover of COPII Subunits at Single ER Exit Sites. <i>Current Biology</i> , 2006, 16, 173-179.	3.9	126
13	p57 ^{Kip2} Stabilizes the MyoD Protein by Inhibiting Cyclin E-Cdk2 Kinase Activity in Growing Myoblasts. <i>Molecular and Cellular Biology</i> , 1999, 19, 7621-7629.	2.3	97
14	Stabilization of MyoD by Direct Binding to p57Kip2. <i>Journal of Biological Chemistry</i> , 2000, 275, 18767-18776.	3.4	88
15	The challenging life of wave energy devices at sea: A few points to consider. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1263-1272.	16.4	80
16	Intermediate Steps. <i>Science</i> , 2010, 330, 1187-1188.	12.6	68
17	In vivo Selective Cytoskeleton Dynamics Quantification in Interphase Cells Induced by Pulsed Ultraviolet Laser Nanosurgery. <i>Traffic</i> , 2005, 6, 1093-1102.	2.7	63
18	Three-dimensional laser microsurgery in light-sheet based microscopy (SPIM). <i>Optics Express</i> , 2007, 15, 6420.	3.4	55

#	ARTICLE	IF	CITATIONS
19	Human Lsg1 defines a family of essential GTPases that correlates with the evolution of compartmentalization. <i>BMC Biology</i> , 2005, 3, 21.	3.8	49
20	Three-dimensional Fluorescence Lifetime Imaging with a Single Plane Illumination Microscope provides an improved Signal to Noise Ratio. <i>Optics Express</i> , 2011, 19, 20743.	3.4	44
21	End to End Digitisation and Analysis of Three-Dimensional Coral Models, from Communities to Corallites. <i>PLoS ONE</i> , 2016, 11, e0149641.	2.5	41
22	Transitional forms between the three domains of life and evolutionary implications. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3321-3328.	2.6	40
23	The future of three-dimensional microscopic imaging in marine biology. <i>Marine Ecology</i> , 2011, 32, 438-452.	1.1	35
24	A novel laser nanosurgery approach supports de novo Golgi biogenesis in mammalian cells. <i>Journal of Cell Science</i> , 2011, 124, 978-987.	2.0	27
25	Investigating Relaxation Processes in Cells and Developing Organisms: From Cell Ablation to Cytoskeleton Nanosurgery. <i>Methods in Cell Biology</i> , 2007, 82, 267-291.	1.1	24
26	A 3-D cell culture system to study epithelia functions using microcarriers. <i>Cytotechnology</i> , 2016, 68, 1813-1825.	1.6	23
27	Dimerization of the amino terminal domain of p57Kip2 inhibits cyclin D1-Cdk4 kinase activity. <i>Oncogene</i> , 2000, 19, 1147-1152.	5.9	22
28	Using hydrogels in microscopy: A tutorial. <i>Micron</i> , 2016, 84, 7-16.	2.2	15
29	Material- and feature-dependent effects on cell adhesion to micro injection moulded medical polymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 46-54.	5.0	14
30	Long-term survey of a syringe-dispensing machine needle exchange program: answering public concerns. <i>Harm Reduction Journal</i> , 2014, 11, 16.	3.2	10
31	Taxonomic colouring of phylogenetic trees of protein sequences. <i>BMC Bioinformatics</i> , 2006, 7, 79.	2.6	9
32	3D imaging of undissected optically cleared <i>Anopheles stephensi</i> mosquitoes and midguts infected with <i>Plasmodium</i> parasites. <i>PLoS ONE</i> , 2020, 15, e0238134.	2.5	8
33	Detection of Deformable Objects in 3D Images Using Markov-Chain Monte Carlo and Spherical Harmonics. <i>Lecture Notes in Computer Science</i> , 2008, 11, 1075-1082.	1.3	8
34	Reading the Evolution of Compartmentalization in the Ribosome Assembly Toolbox: The YRG Protein Family. <i>PLoS ONE</i> , 2017, 12, e0169750.	2.5	6
35	Detection and Quantification of Protein-Microtubules Interactions Using Green Fluorescent Protein Photoconversion. <i>Traffic</i> , 2006, 7, 1283-1289.	2.7	3
36	The Blaschka collection at University College Dublin: rebuilding its history. <i>Journal of the History of Collections</i> , 2014, 26, 63-71.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Scientists for a better world. EMBO Reports, 2005, 6, 103-107.	4.5	1
38	The biology of imaging. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20200389.	3.4	1
39	Segmentation-Less 3D Quantitative Image Analysis of Tissue Architecture with Application to the Localization of Organelles in MDCK Cysts. Biophysical Journal, 2009, 96, 297a-298a.	0.5	0