

Luis M Escudero

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,195
citations

535685

17
h-index

536525

29
g-index

32
all docs

32
docs citations

32
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative biophysical principle to explain the 3D cellular connectivity in curved epithelia. <i>Cell Systems</i> , 2022, 13, 631-643.e8.	2.9	8
2	The complex three-dimensional organization of epithelial tissues. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	24
3	Non-productive angiogenesis disassembles AÅY plaque-associated blood vessels. <i>Nature Communications</i> , 2021, 12, 3098.	5.8	20
4	Mechanics and self-organization in tissue development. <i>Seminars in Cell and Developmental Biology</i> , 2021, 120, 147-159.	2.3	13
5	EpiGraph: an open-source platform to quantify epithelial organization. <i>Bioinformatics</i> , 2020, 36, 1314-1316.	1.8	13
6	The topology of vitronectin: A complementary feature for neuroblastoma risk classification based on computer-aided detection. <i>International Journal of Cancer</i> , 2020, 146, 553-565.	2.3	11
7	Scutoids are a geometrical solution to three-dimensional packing of epithelia. <i>Nature Communications</i> , 2018, 9, 2960.	5.8	98
8	Nintedanib decreases muscle fibrosis and improves muscle function in a murine model of dystrophinopathy. <i>Cell Death and Disease</i> , 2018, 9, 776.	2.7	36
9	Rules of tissue packing involving different cell types: human muscle organization. <i>Scientific Reports</i> , 2017, 7, 40444.	1.6	9
10	Fundamental physical cellular constraints drive self-organization of tissues. <i>EMBO Journal</i> , 2016, 35, 77-88.	3.5	103
11	Fhl1 W122S causes loss of protein function and late-onset mild myopathy. <i>Human Molecular Genetics</i> , 2015, 24, 714-726.	1.4	9
12	Application of texture analysis to muscle MRI: 1-What kind of information should be expected from texture analysis?. <i>EPJ Nonlinear Biomedical Physics</i> , 2015, 3, .	0.8	20
13	ATM specifically mediates repair of double-strand breaks with blocked DNA ends. <i>Nature Communications</i> , 2014, 5, 3347.	5.8	95
14	Biotensegrity of the Extracellular Matrix: Physiology, Dynamic Mechanical Balance, and Implications in Oncology and Mechanotherapy. <i>Frontiers in Oncology</i> , 2014, 4, 39.	1.3	39
15	Quantifiable diagnosis of muscular dystrophies and neurogenic atrophies through network analysis. <i>BMC Medicine</i> , 2013, 11, 77.	2.3	22
16	Cooperation and competition in the dynamics of tissue architecture during homeostasis and tumorigenesis. <i>Seminars in Cancer Biology</i> , 2013, 23, 293-298.	4.3	20
17	Dual role of myosin II during <i>Drosophila</i> imaginal disc metamorphosis. <i>Nature Communications</i> , 2013, 4, 1761.	5.8	42
18	Neuromuscular disease classification system. <i>Journal of Biomedical Optics</i> , 2013, 18, 066017.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Age-Mediated Transcriptomic Changes in Adult Mouse Substantia Nigra. PLoS ONE, 2013, 8, e62456.	1.1	15
20	Topological Progression in Proliferating Epithelia Is Driven by a Unique Variation in Polygon Distribution. PLoS ONE, 2013, 8, e79227.	1.1	21
21	Segmentation of Muscle Fibres in Fluorescence Microscopy Images. Lecture Notes in Computer Science, 2012, , 465-472.	1.0	2
22	Epithelial organisation revealed by a network of cellular contacts. Nature Communications, 2011, 2, 526.	5.8	48
23	Imaginal discs. Current Biology, 2010, 20, R429-R431.	1.8	24
24	Live imaging of <i>Drosophila</i> imaginal disc development. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14217-14222.	3.3	117
25	Myosin II Regulates Complex Cellular Arrangement and Epithelial Architecture in <i>Drosophila</i> . Developmental Cell, 2007, 13, 717-729.	3.1	103
26	Mechanism of G1 arrest in the <i>Drosophila</i> eye imaginal disc. BMC Developmental Biology, 2007, 7, 13.	2.1	41
27	Charlatan, a Zn-finger transcription factor, establishes a novel level of regulation of the proneural achaete/scute genes of <i>Drosophila</i> . Development (Cambridge), 2005, 132, 1211-1222.	1.2	34
28	Echinoid Is a Component of Adherens Junctions That Cooperates with DE-Cadherin to Mediate Cell Adhesion. Developmental Cell, 2005, 8, 493-504.	3.1	169
29	Echinoid synergizes with the Notch signaling pathway in <i>Drosophila</i> mesothorax bristle patterning. Development (Cambridge), 2003, 130, 6305-6316.	1.2	21