

Bruno Cadot

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,847
citations

361413

20
h-index

434195

31
g-index

47
all docs

47
docs citations

47
times ranked

2788
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of a non-satellite cell muscle resident progenitor during postnatal development. <i>Nature Cell Biology</i> , 2010, 12, 257-266.	10.3	390
2	MAP and kinesin-dependent nuclear positioning is required for skeletal muscle function. <i>Nature</i> , 2012, 484, 120-124.	27.8	249
3	Nesprin-1±-Dependent Microtubule Nucleation from the Nuclear Envelope via Akap450 Is Necessary for Nuclear Positioning in Muscle Cells. <i>Current Biology</i> , 2017, 27, 2999-3009.e9.	3.9	125
4	Nuclear movement during myotube formation is microtubule and dynein dependent and is regulated by Cdc42, Par6 and Par3. <i>EMBO Reports</i> , 2012, 13, 741-749.	4.5	111
5	Myofibril contraction and crosslinking drive nuclear movement to the periphery of skeletal muscle. <i>Nature Cell Biology</i> , 2017, 19, 1189-1201.	10.3	100
6	Moving and positioning the nucleus in skeletal muscle “one step at a time. <i>Nucleus</i> , 2015, 6, 373-381.	2.2	93
7	Actin on and around the Nucleus. <i>Trends in Cell Biology</i> , 2021, 31, 211-223.	7.9	74
8	Differential expression of the ccn3 (nov) proto-oncogene in human prostate cell lines and tissues. <i>Journal of Clinical Pathology</i> , 2001, 54, 275-280.	1.9	62
9	TGF β 2 signaling curbs cell fusion and muscle regeneration. <i>Nature Communications</i> , 2021, 12, 750.	12.8	61
10	p73-alpha is capable of inducing scotin and ER stress. <i>Oncogene</i> , 2004, 23, 3721-3725.	5.9	52
11	Transglutaminase 5 is regulated by guanineadenine nucleotides1. <i>Biochemical Journal</i> , 2004, 381, 313-319.	3.7	52
12	Pax3 and Pax7 Play Essential Safeguard Functions against Environmental Stress-Induced Birth Defects. <i>Developmental Cell</i> , 2015, 33, 56-66.	7.0	51
13	Patterns of specific genomic alterations associated with poor prognosis in high-grade renal cell carcinomas. <i>Cancer Genetics and Cytogenetics</i> , 2001, 130, 105-110.	1.0	44
14	Microtubule motors involved in nuclear movement during skeletal muscle differentiation. <i>Molecular Biology of the Cell</i> , 2017, 28, 865-874.	2.1	43
15	Nesprin α 2 accumulates at the front of the nucleus during confined cell migration. <i>EMBO Reports</i> , 2020, 21, e49910.	4.5	39
16	Loss of Histone Deacetylase 4 Causes Segregation Defects during Mitosis of p53-Deficient Human Tumor Cells. <i>Cancer Research</i> , 2009, 69, 6074-6082.	0.9	36
17	A system to study mechanisms of neuromuscular junction development and maintenance. <i>Development (Cambridge)</i> , 2016, 143, 2464-77.	2.5	35
18	Science during lockdown “from virtual seminars to sustainable online communities. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	35

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19	Nesprins are mechanotransducers that discriminate epithelialâ€mesenchymal transition programs. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	35
20	In Vitro&/em> Differentiation of Mature Myofibers for Live Imaging. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	29
21	Dynein disruption perturbs post-synaptic components and contributes to impaired MuSK clustering at the NMJ: implication in ALS. <i>Scientific Reports</i> , 2016, 6, 27804.	3.3	26
22	The sterile alpha-motif (SAM) domain of p63 binds in vitro monoasialoganglioside (GM1) micelles. <i>Biochemical Pharmacology</i> , 2011, 82, 1262-1268.	4.4	21
23	NMR Structure of the p63 SAM Domain and Dynamical Properties of G534V and T537P Pathological Mutants, Identified in the AEC Syndrome. <i>Cell Biochemistry and Biophysics</i> , 2006, 44, 475-489.	1.8	19
24	An embryonic CaV ¹ 21 isoform promotes muscle mass maintenance via GDF5 signaling in adult mouse. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	15
25	Dullard-mediated Smad1/5/8 inhibition controls mouse cardiac neural crest cells condensation and outflow tract septation. <i>ELife</i> , 2020, 9, .	6.0	15
26	Ctdnep1 and Eps8L2 regulate dorsal actin cables for nuclear positioning during cell migration. <i>Current Biology</i> , 2021, 31, 1521-1530.e8.	3.9	12
27	Fast, Multi-Dimensional and Simultaneous Kymograph-Like Particle Dynamics (SkyPad) Analysis. <i>PLoS ONE</i> , 2014, 9, e89073.	2.5	6
28	<i>Skeletal Muscle</i> . , 2016, , 677-682.		2
29	Nuclear positioning: A matter of life. <i>Seminars in Cell and Developmental Biology</i> , 2018, 82, 1-2.	5.0	2
30	Actin Accumulates Nesprin-2 at the Front of the Nucleus During Confined Cell Migration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
31	Overexpressed transglutaminase 5 triggers cell death. <i>Amino Acids</i> , 2004, 26, 405-8.	2.7	1
32	Molecular motors and nuclear movements in muscle. <i>Communicative and Integrative Biology</i> , 2017, 10, e1319537.	1.4	1
33	A system for studying mechanisms of neuromuscular junction development and maintenance. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.	2.0	1
34	G.P.93. <i>Neuromuscular Disorders</i> , 2014, 24, 822-823.	0.6	0
35	Mechanotransduction at the Nuclear Envelope. <i>Biophysical Journal</i> , 2017, 112, 458a.	0.5	0
36	NEW INSIGHTS INTO CELLULAR FUNCTIONS. <i>Neuromuscular Disorders</i> , 2018, 28, S88-S89.	0.6	0

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37	MUSCLE FUNCTION & HOMEOSTASIS / MOLECULAR THERAPEUTIC APPROACHES. Neuromuscular Disorders, 2020, 30, S66-S67.	0.6	0
38	La signalisation TGF β 2 contrôle la fusion cellulaire et la régénération musculaire. Les Cahiers De Myologie, 2019, , 33-34.	0.0	0
39	Reconstituting the Interaction Between Purified Nuclei and Microtubule Network. Methods in Molecular Biology, 2022, 2430, 385-399.	0.9	0