

Francois Bordeleau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

1,267
citations

20
h-index

35
g-index

39
ext. papers

1,629
ext. citations

5.9
avg, IF

4.53
L-index

#	Paper	IF	Citations
34	Matrix stiffness enhances cancer-macrophage interactions and M2-like macrophage accumulation in the breast tumor microenvironment.. <i>Acta Biomaterialia</i> , 2022 ,	10.8	1
33	Phenotypic Heterogeneity and Metastasis of Breast Cancer Cells. <i>Cancer Research</i> , 2021 , 81, 3649-3663	10.1	7
32	Chaperone-Assisted Mitotic Actin Remodeling by BAG3 and HSPB8 Involves the Deacetylase HDAC6 and Its Substrate Cortactin. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	1
31	Adenoviral protein E4orf4 interacts with the polarity protein Par3 to induce nuclear rupture and tumor cell death. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	7
30	Tissue transglutaminase 2 regulates tumor cell tensional homeostasis by increasing contractility. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	4
29	Extent of Cell Confinement in Microtracks Affects Speed and Results in Differential Matrix Strains. <i>Biophysical Journal</i> , 2019 , 117, 1692-1701	2.9	15
28	Energetic costs regulated by cell mechanics and confinement are predictive of migration path during decision-making. <i>Nature Communications</i> , 2019 , 10, 4185	17.4	48
27	Matrix stiffness regulates microvesicle-induced fibroblast activation. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C82-C92	5.4	20
26	Energetic regulation of coordinated leader-follower dynamics during collective invasion of breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7867-7872	11.5	73
25	Matrix stiffness regulates vascular integrity through focal adhesion kinase activity. <i>FASEB Journal</i> , 2019 , 33, 1199-1208	0.9	24
24	Synergic Interactions Between Hepatic Stellate Cells and Uveal Melanoma in Metastatic Growth. <i>Cancers</i> , 2019 , 11,	6.6	7
23	Coupling Microfluidic Platforms, Microfabrication, and Tissue Engineered Scaffolds to Investigate Tumor Cells Mechanobiology. <i>Micromachines</i> , 2019 , 10,	3.3	7
22	Beneficial Effects of Exercise on Subendothelial Matrix Stiffness are Short-Lived. <i>Journal of Biomechanical Engineering</i> , 2018 , 140,	2.1	2
21	Regulation of ATP utilization during metastatic cell migration by collagen architecture. <i>Molecular Biology of the Cell</i> , 2018 , 29, 1-9	3.5	60
20	Quantitative assessment of cell contractility using polarized light microscopy. <i>Journal of Biophotonics</i> , 2018 , 11, e201800008	3.1	8
19	Subcellular regulation of cancer cell mechanics. <i>Current Opinion in Biomedical Engineering</i> , 2017 , 1, 8-14	4.4	7
18	Matrix stiffening promotes a tumor vasculature phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 492-497	11.5	197

17	Matrix Stiffness Enhances VEGFR-2 Internalization, Signaling, and Proliferation in Endothelial Cells. <i>Convergent Science Physical Oncology</i> , 2017 , 3,		44
16	Measurement of dynamic cell-induced 3D displacement fields for traction force optical coherence microscopy. <i>Biomedical Optics Express</i> , 2017 , 8, 1152-1171	3.5	25
15	Microvesicles released from tumor cells disrupt epithelial cell morphology and contractility. <i>Journal of Biomechanics</i> , 2016 , 49, 1272-1279	2.9	16
14	Vinculin Regulates Directionality and Cell Polarity in 2D, 3D Matrix and 3D Microtrack Migration. <i>Molecular Biology of the Cell</i> , 2016 ,	3.5	43
13	Tuning cell migration: contractility as an integrator of intracellular signals from multiple cues. <i>F1000Research</i> , 2016 , 5,	3.6	3
12	Simvastatin Ameliorates Matrix Stiffness-Mediated Endothelial Monolayer Disruption. <i>PLoS ONE</i> , 2016 , 11, e0147033	3.7	29
11	Microvesicles provide a mechanism for intercellular communication by embryonic stem cells during embryo implantation. <i>Nature Communications</i> , 2016 , 7, 11958	17.4	123
10	Improving fascin inhibitors to block tumor cell migration and metastasis. <i>Molecular Oncology</i> , 2016 , 10, 966-80	7.9	44
9	Targeted inhibition of fascin function blocks tumour invasion and metastatic colonization. <i>Nature Communications</i> , 2015 , 6, 7465	17.4	81
8	Tissue stiffness regulates serine/arginine-rich protein-mediated splicing of the extra domain B-fibronectin isoform in tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8314-9	11.5	61
7	Probing the biophysical properties of primary breast tumor-derived fibroblasts. <i>Cellular and Molecular Bioengineering</i> , 2015 , 8, 76-85	3.9	14
6	Cooperative effects of matrix stiffness and fluid shear stress on endothelial cell behavior. <i>Biophysical Journal</i> , 2015 , 108, 471-8	2.9	95
5	Physical biology in cancer. 5. The rocky road of metastasis: the role of cytoskeletal mechanics in cell migratory response to 3D matrix topography. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C110-20	5.4	28
4	Substrate Stiffness Regulates PDGF-Induced Circular Dorsal Ruffle Formation Through MLCK. <i>Cellular and Molecular Bioengineering</i> , 2013 , 6, 138	3.9	30
3	Topographical guidance of 3D tumor cell migration at an interface of collagen densities. <i>Physical Biology</i> , 2013 , 10, 065004	3	31
2	Keratin 8/18 regulation of cell stiffness-extracellular matrix interplay through modulation of Rho-mediated actin cytoskeleton dynamics. <i>PLoS ONE</i> , 2012 , 7, e38780	3.7	47
1	Keratin 8/18 modulation of protein kinase C-mediated integrin-dependent adhesion and migration of liver epithelial cells. <i>Molecular Biology of the Cell</i> , 2010 , 21, 1698-713	3.5	63