

Daniel Rosel

List of Publications by Year in descending order

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62
papers

2,459
citations

279798

23
h-index

214800

47
g-index

64
all docs

64
docs citations

64
times ranked

3958
citing authors

#	ARTICLE	IF	CITATIONS
1	The molecular mechanisms of transition between mesenchymal and amoeboid invasiveness in tumor cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 63-71.	5.4	262
2	Migrastatics – Anti-metastatic and Anti-invasion Drugs: Promises and Challenges. <i>Trends in Cancer</i> , 2017, 3, 391-406.	7.4	262
3	Contractile forces in tumor cell migration. <i>European Journal of Cell Biology</i> , 2008, 87, 669-676.	3.6	154
4	The role of the tissue microenvironment in the regulation of cancer cell motility and invasion. <i>Cell Communication and Signaling</i> , 2010, 8, 22.	6.5	154
5	Vimentin Intermediate Filaments as Potential Target for Cancer Treatment. <i>Cancers</i> , 2020, 12, 184.	3.7	150
6	Microtubule-targeting agents and their impact on cancer treatment. <i>European Journal of Cell Biology</i> , 2020, 99, 151075.	3.6	132
7	Mechanosensors in integrin signaling: The emerging role of p130Cas. <i>European Journal of Cell Biology</i> , 2014, 93, 445-454.	3.6	105
8	Cell polarity signaling in the plasticity of cancer cell invasiveness. <i>Oncotarget</i> , 2016, 7, 25022-25049.	1.8	101
9	Up-Regulation of Rho/ROCK Signaling in Sarcoma Cells Drives Invasion and Increased Generation of Protrusive Forces. <i>Molecular Cancer Research</i> , 2008, 6, 1410-1420.	3.4	96
10	Simultaneous blocking of IL-6 and IL-8 is sufficient to fully inhibit CAF-induced human melanoma cell invasiveness. <i>Histochemistry and Cell Biology</i> , 2016, 146, 205-217.	1.7	74
11	The structure of invadopodia in a complex 3D environment. <i>European Journal of Cell Biology</i> , 2010, 89, 674-680.	3.6	71
12	CAS directly interacts with vinculin to control mechanosensing and focal adhesion dynamics. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 727-744.	5.4	55
13	Targeting Mitochondrial Iron Metabolism Suppresses Tumor Growth and Metastasis by Inducing Mitochondrial Dysfunction and Mitophagy. <i>Cancer Research</i> , 2021, 81, 2289-2303.	0.9	51
14	Interleukin-6: Molecule in the Intersection of Cancer, Ageing and COVID-19. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7937.	4.1	45
15	Quantitative phase imaging unravels new insight into dynamics of mesenchymal and amoeboid cancer cell invasion. <i>Scientific Reports</i> , 2018, 8, 12020.	3.3	43
16	TOR complex 2 (TORC2) in <i>Dictyostelium</i> suppresses phagocytic nutrient capture independently of TORC1-mediated nutrient sensing. <i>Journal of Cell Science</i> , 2012, 125, 37-48.	2.0	41
17	Tyrosine phosphorylation within the SH3 domain regulates CAS subcellular localization, cell migration, and invasiveness. <i>Molecular Biology of the Cell</i> , 2011, 22, 4256-4267.	2.1	40
18	Invasive cells in animals and plants: searching for LECA machineries in later eukaryotic life. <i>Biology Direct</i> , 2013, 8, 8.	4.6	34

#	ARTICLE	IF	CITATIONS
19	Raloxifene and Bazedoxifene Could Be Promising Candidates for Preventing the COVID-19 Related Cytokine Storm, ARDS and Mortality. <i>In Vivo</i> , 2020, 34, 3027-3028.	1.3	33
20	The COP9 signalosome regulates cell proliferation of <i>Dictyostelium discoideum</i> . <i>European Journal of Cell Biology</i> , 2006, 85, 1023-1034.	3.6	32
21	Metastasis of aggressive amoeboid sarcoma cells is dependent on Rho/ROCK/MLC signaling. <i>Cell Communication and Signaling</i> , 2013, 11, 51.	6.5	32
22	SH3 Domain Tyrosine Phosphorylation Sites, Role and Evolution. <i>PLoS ONE</i> , 2012, 7, e36310.	2.5	30
23	Fibroblasts potentiate melanoma cells in vitro invasiveness induced by UV-irradiated keratinocytes. <i>Histochemistry and Cell Biology</i> , 2018, 149, 503-516.	1.7	27
24	Migrastatics: Redirecting R&D in Solid Cancer Towards Metastasis?. <i>Trends in Cancer</i> , 2019, 5, 755-756.	7.4	25
25	Thermo- and ROS-Responsive Self-Assembled Polymer Nanoparticle Tracers for ¹⁹ F MRI Theranostics. <i>Biomacromolecules</i> , 2021, 22, 2325-2337.	5.4	24
26	The role of focal adhesion anchoring domains of CAS in mechanotransduction. <i>Scientific Reports</i> , 2017, 7, 46233.	3.3	23
27	ROCK Inhibitors as Emerging Therapeutic Candidates for Sarcomas. <i>Current Cancer Drug Targets</i> , 2010, 10, 127-134.	1.6	21
28	Limits to Precision Cancer Medicine. <i>New England Journal of Medicine</i> , 2017, 376, 95-97.	27.0	19
29	Urea-functionalized organoselenium compounds as promising anti-HepG2 and apoptosis-inducing agents. <i>Future Medicinal Chemistry</i> , 2021, 13, 1655-1677.	2.3	19
30	Exosomes produced by melanoma cells significantly influence the biological properties of normal and cancer-associated fibroblasts. <i>Histochemistry and Cell Biology</i> , 2022, 157, 153-172.	1.7	17
31	Molecular characterization of a calmodulin-like <i>Dictyostelium</i> protein CalB. <i>FEBS Letters</i> , 2000, 473, 323-327.	2.8	16
32	The interaction of p130Cas with PKN3 promotes malignant growth. <i>Molecular Oncology</i> , 2019, 13, 264-289.	4.6	16
33	The Analysis of Inflammation-Related Proteins in a Cargo of Exosomes Derived from the Serum of Uveal Melanoma Patients Reveals Potential Biomarkers of Disease Progression. <i>Cancers</i> , 2021, 13, 3334.	3.7	16
34	ARHGAP42 is activated by Src-mediated tyrosine phosphorylation to promote cell motility. <i>Journal of Cell Science</i> , 2017, 130, 2382-2393.	2.0	15
35	High-throughput transcriptomic and proteomic profiling of mesenchymal-amoeboid transition in 3D collagen. <i>Scientific Data</i> , 2020, 7, 160.	5.3	15
36	NG2-mediated Rho activation promotes amoeboid invasiveness of cancer cells. <i>European Journal of Cell Biology</i> , 2012, 91, 969-977.	3.6	14

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37	Structural characterization of CAS SH3 domain selectivity and regulation reveals new CAS interaction partners. <i>Scientific Reports</i> , 2017, 7, 8057.	3.3	14
38	Novel FRET-Based Src Biosensor Reveals Mechanisms of Src Activation and Its Dynamics in Focal Adhesions. <i>Cell Chemical Biology</i> , 2019, 26, 255-268.e4.	5.2	14
39	Estrogen Receptor Modulators in Viral Infections Such as SARS-CoV-2: Therapeutic Consequences. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6551.	4.1	14
40	PKC ζ promotes the mesenchymal to amoeboid transition and increases cancer cell invasiveness. <i>BMC Cancer</i> , 2015, 15, 326.	2.6	13
41	Src kinase: Key effector in mechanosignalling. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 131, 105908.	2.8	13
42	RNA-seq of macrophages of amoeboid or mesenchymal migratory phenotype due to specific structure of environment. <i>Scientific Data</i> , 2018, 5, 180198.	5.3	13
43	Translation in solid cancer: are size-based response criteria an anachronism?. <i>Clinical and Translational Oncology</i> , 2015, 17, 1-10.	2.4	12
44	Integrated actions of mTOR complexes 1 and 2 for growth and development of Dictyostelium. <i>International Journal of Developmental Biology</i> , 2019, 63, 521-527.	0.6	11
45	Neoplastic progression of the human breast cancer cell line G3S1 is associated with elevation of cytoskeletal dynamics and upregulation of MT1-MMP. <i>International Journal of Oncology</i> , 2010, 36, 833-9.	3.3	10
46	Solid cancer: the new tumour spread endpoint opens novel opportunities. <i>British Journal of Cancer</i> , 2019, 121, 513-514.	6.4	10
47	Are We Ready for Migrastatics?. <i>Cells</i> , 2021, 10, 1845.	4.1	10
48	Proteins implicated in the increase of adhesivity induced by suberoylanilide hydroxamic acid in leukemic cells. <i>Journal of Proteomics</i> , 2012, 77, 406-422.	2.4	9
49	Drugs for solid cancer the productivity crisis prompts a rethink. <i>OncoTargets and Therapy</i> , 2013, 6, 767.	2.0	9
50	6-Substituted purines as ROCK inhibitors with anti-metastatic activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103005.	4.1	7
51	Pragmatic medicine in solid cancer: a translational alternative to precision medicine. <i>OncoTargets and Therapy</i> , 2016, 9, 1839.	2.0	6
52	Invadopodia Structure in 3D Environment Resolved by Near-Infrared Branding Protocol Combining Correlative Confocal and FIB-SEM Microscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7805.	4.1	5
53	A Screen for PKN3 Substrates Reveals an Activating Phosphorylation of ARHGAP18. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7769.	4.1	4
54	Increased Level of Long Non-Coding RNA MALAT1 Is a Common Feature of Amoeboid Invasion. <i>Cancers</i> , 2020, 12, 1136.	3.7	4

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55	A homozygous stop-gain variant in ARHGAP42 is associated with childhood interstitial lung disease, systemic hypertension, and immunological findings. PLoS Genetics, 2021, 17, e1009639.	3.5	4
56	Migrastatics – Anti-metastatic Drugs Targeting Cancer Cell Invasion. Human Perspectives in Health Sciences and Technology, 2020, , 203-211.	0.4	4
57	Sustained Inflammatory Signalling through Stat1/Stat2/IRF9 Is Associated with Amoeboid Phenotype of Melanoma Cells. Cancers, 2020, 12, 2450.	3.7	3
58	TLR4-Mediated Recognition of Mouse Polyomavirus Promotes Cancer-Associated Fibroblast-Like Phenotype and Cell Invasiveness. Cancers, 2021, 13, 2076.	3.7	3
59	RNA-seq Characterization of Melanoma Phenotype Switch in 3D Collagen after p38 MAPK Inhibitor Treatment. Biomolecules, 2021, 11, 449.	4.0	2
60	Confocal microscopy reveals <i>Myzitis</i> and <i>Vthela</i> morphotypes as new signatures of malignancy progression. Scanning, 2009, 31, 102-106.	1.5	1
61	TOR complex 2 (TORC2) in Dictyostelium suppresses phagocytic nutrient capture independently of TORC1-mediated nutrient sensing. Development (Cambridge), 2012, 139, e507-e507.	2.5	0
62	Novel FRET-Based Src Biosensor Reveals Mechanisms of Src Activation and Its Dynamics in Focal Adhesions. SSRN Electronic Journal, 0, , .	0.4	0