

# Cameron J Nowell

## List of Publications by Citations

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104  
papers

2,229  
citations

24  
h-index

42  
g-index

106  
ext. papers

2,776  
ext. citations

6.5  
avg, IF

4.62  
L-index

#	Paper	IF	Citations
104	NLRP1 inflammasome activation induces pyroptosis of hematopoietic progenitor cells. <i>Immunity</i> , <b>2012</b> , 37, 1009-23	32.3	212
103	Chronic stress in mice remodels lymph vasculature to promote tumour cell dissemination. <i>Nature Communications</i> , <b>2016</b> , 7, 10634	17.4	169
102	Neutrophil-delivered myeloperoxidase dampens the hydrogen peroxide burst after tissue wounding in zebrafish. <i>Current Biology</i> , <b>2012</b> , 22, 1818-24	6.3	87
101	Frizzled7 functions as a Wnt receptor in intestinal epithelial Lgr5(+) stem cells. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 759-67	8	86
100	Low cost whole-organism screening of compounds for anthelmintic activity. <i>International Journal for Parasitology</i> , <b>2015</b> , 45, 333-43	4.3	81
99	Fas-mediated neutrophil apoptosis is accelerated by Bid, Bak, and Bax and inhibited by Bcl-2 and Mcl-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13135-40	11.5	79
98	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 1150-1159	28.7	60
97	Differential use of autophagy by primary dendritic cells specialized in cross-presentation. <i>Autophagy</i> , <b>2015</b> , 11, 906-17	10.2	57
96	IDH1 mutation is associated with seizures and protoplasmic subtype in patients with low-grade gliomas. <i>Epilepsia</i> , <b>2014</b> , 55, 1438-43	6.4	53
95	Partial inhibition of gp130-Jak-Stat3 signaling prevents Wnt- $\beta$ -catenin-mediated intestinal tumor growth and regeneration. <i>Science Signaling</i> , <b>2014</b> , 7, ra92	8.8	52
94	Plasma membrane localization of the $\beta$ opioid receptor controls spatiotemporal signaling. <i>Science Signaling</i> , <b>2016</b> , 9, ra16	8.8	48
93	$\alpha$ -adrenoceptor signaling regulates invadopodia formation to enhance tumor cell invasion. <i>Breast Cancer Research</i> , <b>2015</b> , 17, 145	8.3	46
92	Cancer cells become less deformable and more invasive with activation of $\beta$ adrenergic signaling. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 4563-4575	5.3	45
91	A role for bone morphogenetic protein-4 in lymph node vascular remodeling and primary tumor growth. <i>Cancer Research</i> , <b>2011</b> , 71, 6547-57	10.1	45
90	Nucleocytoplasmic coagulation: an injury-induced aggregation event that disulfide crosslinks proteins and facilitates their removal by plasmin. <i>Cell Reports</i> , <b>2012</b> , 2, 889-901	10.6	34
89	Homeobox gene DLX4 expression is increased in idiopathic human fetal growth restriction. <i>Molecular Human Reproduction</i> , <b>2006</b> , 12, 763-9	4.4	34
88	The PPAR $\alpha$ agonist rosiglitazone promotes the induction of brite adipocytes, increasing $\beta$ adrenoceptor-mediated mitochondrial function and glucose uptake. <i>Cellular Signalling</i> , <b>2018</b> , 42, 54-66	4.9	31

87	Secondary Self-Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16678-16682	16.4	31
86	Microfluidic preparation of drug-loaded PEGylated liposomes, and the impact of liposome size on tumour retention and penetration. <i>Journal of Liposome Research</i> , <b>2019</b> , 29, 1-9	6.1	30
85	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , <b>2017</b> , 243, 496-509	9.4	29
84	Vascular endothelial growth factor-d modulates caliber and function of initial lymphatics in the dermis. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2074-84	4.3	29
83	Potential Toxicity of Polymyxins in Human Lung Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	28
82	A fluorescent histone deacetylase (HDAC) inhibitor for cellular imaging. <i>Chemical Communications</i> , <b>2015</b> , 51, 7827-30	5.8	28
81	Haploinsufficiency Impairs Catalytic Activity of PARP1 and Promotes Chromosome Instability and Growth of Intestinal Tumors. <i>Cancer Discovery</i> , <b>2018</b> , 8, 988-1005	24.4	27
80	Fas regulates neutrophil lifespan during viral and bacterial infection. <i>Journal of Leukocyte Biology</i> , <b>2015</b> , 97, 321-6	6.5	24
79	Plasminogen fragmentation and increased production of extracellular matrix-degrading proteinases are associated with serous epithelial ovarian cancer progression. <i>Gynecologic Oncology</i> , <b>2004</b> , 92, 80-8	4.9	24
78	Practical and low cost whole-organism motility assay: A step-by-step protocol. <i>Molecular and Cellular Probes</i> , <b>2016</b> , 30, 13-7	3.3	23
77	In vivo real-time visualization of leukocytes and intracellular hydrogen peroxide levels during a zebrafish acute inflammation assay. <i>Methods in Enzymology</i> , <b>2012</b> , 506, 135-56	1.7	23
76	Inhibition of the K3.1 Channel Alleviates Established Pulmonary Fibrosis in a Large Animal Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 539-550	5.7	21
75	A novel segmental challenge model for bleomycin-induced pulmonary fibrosis in sheep. <i>Experimental Lung Research</i> , <b>2015</b> , 41, 115-34	2.3	21
74	Passive tumour targeting and extravasation of cylindrical polymer brushes in mouse xenografts. <i>Chemical Communications</i> , <b>2016</b> , 52, 9121-4	5.8	21
73	Cellular Uptake and Localization of Polymyxins in Renal Tubular Cells Using Rationally Designed Fluorescent Probes. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 7489-96	5.9	20
72	Rosiglitazone and a $\beta$ Adrenoceptor Agonist Are Both Required for Functional Browning of White Adipocytes in Culture. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 249	5.7	20
71	Axonally derived matrilin-2 induces proinflammatory responses that exacerbate autoimmune neuroinflammation. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 5042-56	15.9	20
70	Condensin I and II behaviour in interphase nuclei and cells undergoing premature chromosome condensation. <i>Chromosome Research</i> , <b>2016</b> , 24, 243-69	4.4	20

69	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009165	7.6	20
68	Divergent lymphocyte signalling revealed by a powerful new tool for analysis of time-lapse microscopy. <i>Immunology and Cell Biology</i> , <b>2013</b> , 91, 70-81	5	19
67	Detection and Quantification of Intracellular Signaling Using FRET-Based Biosensors and High Content Imaging. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1335, 131-61	1.4	19
66	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , <b>2019</b> , 9, 1154-1169	12.1	18
65	Divergent effects of strontium and calcium-sensing receptor positive allosteric modulators (calcimimetics) on human osteoclast activity. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 4095-4108	8.6	18
64	Carboxylated Cy5-Labeled Comb Polymers Passively Diffuse the Cell Membrane and Target Mitochondria. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 31302-31310	9.5	18
63	Combination of agrin and laminin increase acetylcholine receptor clustering and enhance functional neuromuscular junction formation In vitro. <i>Developmental Neurobiology</i> , <b>2016</b> , 76, 551-65	3.2	18
62	Genome-wide functional analysis reveals central signaling regulators of lymphatic endothelial cell migration and remodeling. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	17
61	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1844-1856	5.6	17
60	Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1175-1188	14.6	17
59	Systematic high-content genome-wide RNAi screens of endothelial cell migration and morphology. <i>Scientific Data</i> , <b>2017</b> , 4, 170009	8.2	16
58	Ptpn6 inhibits caspase-8- and Ripk3/Mlkl-dependent inflammation. <i>Nature Immunology</i> , <b>2020</b> , 21, 54-64	19.1	16
57	Metabolomics and lipidomics reveal perturbation of sphingolipid metabolism by a novel anti-trypanosomal 3-(oxazolo[4,5-b]pyridine-2-yl)anilide. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	16
56	Cell quiescence correlates with enhanced glioblastoma cell invasion and cytotoxic resistance. <i>Experimental Cell Research</i> , <b>2019</b> , 374, 353-364	4.2	16
55	Stress hormone signaling through Adrenergic receptors regulates macrophage mechanotype and function. <i>FASEB Journal</i> , <b>2019</b> , 33, 3997-4006	0.9	16
54	Loss of the Wnt receptor frizzled 7 in the mouse gastric epithelium is deleterious and triggers rapid repopulation. <i>DMM Disease Models and Mechanisms</i> , <b>2017</b> , 10, 971-980	4.1	15
53	In Vivo Formation of Cubic Phase in Situ after Oral Administration of Cubic Phase Precursor Formulation Provides Long Duration Gastric Retention and Absorption for Poorly Water-Soluble Drugs. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 280-6	5.6	15
52	Inflammation-associated changes in DOR expression and function in the mouse colon. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, G544-G559	5.1	15

51	The Wiggle Index: An Open Source Bioassay to Assess Sub-Lethal Insecticide Response in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0145051	3.7	15
50	A Nonionic Polyethylene Oxide (PEO) Surfactant Model: Experimental and Molecular Dynamics Studies of Kolliphor EL. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 193-204	3.9	15
49	Deguelin exerts potent nematocidal activity the mitochondrial respiratory chain. <i>FASEB Journal</i> , <b>2017</b> , 31, 4515-4532	0.9	14
48	Characterisation and 3D structure of melanomacrophage centers in shorthorn sculpins ( <i>Myoxocephalus scorpius</i> ). <i>Tissue and Cell</i> , <b>2019</b> , 57, 34-41	2.7	14
47	Biologically active constituents of the secretome of human W8B2 cardiac stem cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 1579	4.9	13
46	Distribution of therapeutic proteins into thoracic lymph after intravenous administration is protein size-dependent and primarily occurs within the liver and mesentery. <i>Journal of Controlled Release</i> , <b>2018</b> , 272, 17-28	11.7	11
45	Characterisation of a novel coumarin-based fluorescent probe for monitoring nitric oxide production in macrophages. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 5743-5748	3.4	11
44	A Fresh Shine on Cystic Fibrosis Inhalation Therapy: Antimicrobial Synergy of Polymyxin B in Combination with Silver Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 447-57	4	11
43	Differences in the cellular composition of small versus large uterine fibroids. <i>Reproduction</i> , <b>2016</b> , 152, 467-80	3.8	11
42	Expansion of the phenotypic spectrum of de novo missense variants in kinesin family member 1A (KIF1A). <i>Human Mutation</i> , <b>2020</b> , 41, 1761-1774	4.7	10
41	Direct Comparison of Standard Transmission Electron Microscopy and Cryogenic-TEM in Imaging Nanocrystals Inside Liposomes. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1775-1781	5.6	9
40	Follistatin is essential for normal postnatal development and function of mouse oviduct and uterus. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 985-99	1.8	8
39	Lysophosphatidylcholine modulates the aggregation of human islet amyloid polypeptide. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 30627-30635	3.6	8
38	Using a Multiplex Nucleic Acid Hybridization Technique to Determine HCN4 mRNA Expression in the Adult Rodent Brain. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 211	6.1	8
37	Examining the gastrointestinal transit of lipid-based liquid crystalline systems using whole-animal imaging. <i>Drug Delivery and Translational Research</i> , <b>2015</b> , 5, 566-74	6.2	7
36	Analysis of cellular phosphatidylinositol (3,4,5)-trisphosphate levels and distribution using confocal fluorescent microscopy. <i>Analytical Biochemistry</i> , <b>2010</b> , 406, 41-50	3.1	7
35	Immune response to intravenous immunoglobulin in patients with Kawasaki disease and MIS-C. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	7
34	High throughput, quantitative analysis of human osteoclast differentiation and activity. <i>Analytical Biochemistry</i> , <b>2017</b> , 519, 51-56	3.1	6

33	Targeted delivery of mycophenolic acid to the mesenteric lymph node using a triglyceride mimetic prodrug approach enhances gut-specific immunomodulation in mice. <i>Journal of Controlled Release</i> , <b>2021</b> , 332, 636-651	11.7	6
32	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. <i>Biomaterials Science</i> , <b>2021</b> , 9, 835-846	7.4	6
31	A Three-Dimensional Lymphatic Endothelial Cell Tube Formation Assay to Identify Novel Kinases Involved in Lymphatic Vessel Remodeling. <i>Assay and Drug Development Technologies</i> , <b>2017</b> , 15, 30-43	2.1	5
30	Controlling the size and shape of liposomal ciprofloxacin nanocrystals by varying the lipid bilayer composition and drug to lipid ratio. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 555, 361-372	9.3	5
29	Identification of a Wnt-induced protein complex by affinity proteomics using an antibody that recognizes a sub-population of Ectenin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 925-37	4	5
28	Multi-Clonal Live SARS-CoV-2 In Vitro Neutralization by Antibodies Isolated from Severe COVID-19 Convalescent Donors <b>2020</b> ,		5
27	Secondary Self-Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16920-16924	3.6	5
26	Emulsions containing optimum cow milk fat and canola oil mixtures replicate the lipid self-assembly of human breast milk during digestion. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 680-691	9.3	4
25	Mouse models for dominant dystrophic epidermolysis bullosa carrying common human point mutations recapitulate the human disease. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	4
24	Histological changes in the umbilical artery following severe chorioamnionitis and funisitis may be indicative of early atherosclerosis. <i>Placenta</i> , <b>2017</b> , 50, 40-43	3.4	3
23	Defining a therapeutic window for kinase inhibitors in leukemia to avoid neutropenia. <i>Oncotarget</i> , <b>2017</b> , 8, 57948-57963	3.3	3
22	The H2AX DSB marker may not be a suitable biosimeter to measure the biological MRT valley dose. <i>International Journal of Radiation Biology</i> , <b>2021</b> , 97, 642-656	2.9	3
21	Decreased Orexin Receptor 1 mRNA Expression in the Locus Coeruleus in Both Tau Transgenic rTg4510 and Tau Knockout Mice and Accompanying Ascending Arousal System Tau Invasion in rTg4510. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 79, 693-708	4.3	3
20	A lipid-anchored neurokinin 1 receptor antagonist prolongs pain relief by a three-pronged mechanism of action targeting the receptor at the plasma membrane and in endosomes. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100345	5.4	3
19	Depolymerization of hyaluronan using PEGylated human recombinant hyaluronidase promotes nanoparticle tumor penetration. <i>Nanomedicine</i> , <b>2021</b> , 16, 275-292	5.6	3
18	In the Loop: Extrastriatal Regulation of Spiny Projection Neurons by GPR52. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 2066-2076	5.7	2
17	LMP2 immunoproteasome promotes lymphocyte survival by degrading apoptotic BH3-only proteins. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 981-993	5	2
16	Development and Application of Subtype-Selective Fluorescent Antagonists for the Study of the Human Adenosine A Receptor in Living Cells. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 6670-6695	8.3	2

15	Physiological and pharmacological impact of oxytocin on epididymal propulsion during the ejaculatory process in rodents and men. <i>FASEB Journal</i> , <b>2021</b> , 35, e21639	0.9	2
14	Assessing the cellular toxicity of peptide inhibitors of intracellular protein-protein interactions by microinjection. <i>Bioorganic and Medicinal Chemistry</i> , <b>2021</b> , 29, 115906	3.4	2
13	Visualising functional 5-HT receptors containing A and C subunits at or near the cell surface. <i>Biomedicine and Pharmacotherapy</i> , <b>2020</b> , 132, 110860	7.5	1
12	Air-Liquid-Interface Differentiated Human Nose Epithelium: A Robust Primary Tissue Culture Model of SARS-CoV-2 Infection.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
11	Key signaling networks are dysregulated in patients with the adipose tissue disorder, lipedema. <i>International Journal of Obesity</i> , <b>2021</b> ,	5.5	1
10	Regulation of oogenesis in the queen honey bee ( <i>Apis mellifera</i> )		1
9	High-content siRNA 3D co-cultures to identify myoepithelial cell-derived breast cancer suppressor proteins. <i>Scientific Data</i> , <b>2021</b> , 8, 147	8.2	1
8	Changes in duodenal CD163-positive cells in dogs with chronic enteropathy after successful treatment. <i>Innate Immunity</i> , <b>2018</b> , 24, 400-410	2.7	1
7	Machine Learning for the Fast and Accurate Assessment of Fitness in Coral Early Life History. <i>Remote Sensing</i> , <b>2021</b> , 13, 3173	5	1
6	Reproductive plasticity and oogenesis in the queen honey bee ( <i>Apis mellifera</i> ).. <i>Journal of Insect Physiology</i> , <b>2021</b> , 136, 104347	2.4	0
5	No observed effect on brain vasculature of Alzheimer's disease-related mutations in the zebrafish presenilin 1 gene. <i>Molecular Brain</i> , <b>2021</b> , 14, 22	4.5	0
4	139. <i>Cytokine</i> , <b>2014</b> , 70, 61	4	
3	Fas Controls Neutrophil Lifespan during Bacterial and Viral Infection. <i>Blood</i> , <b>2014</b> , 124, 1579-1579	2.2	
2	Activation of the NLRP1 Inflammasome Induces the Pyroptotic Death of Hematopoietic Progenitor Cells. <i>Blood</i> , <b>2012</b> , 120, 1213-1213	2.2	
1	Enhanced nitric oxide production by macrophages treated with a cell-penetrating peptide conjugate.. <i>Bioorganic Chemistry</i> , <b>2022</b> , 123, 105763	5.1	