

# Cameron J Nowell

## List of Publications by Year in descending order

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102  
papers

3,213  
citations

172207

29  
h-index

189595

50  
g-index

106  
all docs

106  
docs citations

106  
times ranked

6363  
citing authors

#	ARTICLE	IF	CITATIONS
1	NLRP1 Inflammasome Activation Induces Pyroptosis of Hematopoietic Progenitor Cells. <i>Immunity</i> , 2012, 37, 1009-1023.	6.6	257
2	Chronic stress in mice remodels lymph vasculature to promote tumour cell dissemination. <i>Nature Communications</i> , 2016, 7, 10634.	5.8	232
3	Neutrophil-Delivered Myeloperoxidase Dampens the Hydrogen Peroxide Burst after Tissue Wounding in Zebrafish. <i>Current Biology</i> , 2012, 22, 1818-1824.	1.8	117
4	Frizzled7 Functions as a Wnt Receptor in Intestinal Epithelial Lgr5+ Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 759-767.	2.3	114
5	Low cost whole-organism screening of compounds for anthelmintic activity. <i>International Journal for Parasitology</i> , 2015, 45, 333-343.	1.3	106
6	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. <i>Nature Nanotechnology</i> , 2019, 14, 1150-1159.	15.6	103
7	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> , 2011, 108, 13135-13140.	3.3	98
8	Differential use of autophagy by primary dendritic cells specialized in cross-presentation. <i>Autophagy</i> , 2015, 11, 906-917.	4.3	74
9	Partial inhibition of gp130-Jak-Stat3 signaling prevents Wnt $\beta$ -catenin-mediated intestinal tumor growth and regeneration. <i>Science Signaling</i> , 2014, 7, ra92.	1.6	68
10	IDH1 mutation is associated with seizures and protoplasmic subtype in patients with low-grade gliomas. <i>Epilepsia</i> , 2014, 55, 1438-1443.	2.6	66
11	$\beta$ 2-adrenoceptor signaling regulates invadopodia formation to enhance tumor cell invasion. <i>Breast Cancer Research</i> , 2015, 17, 145.	2.2	64
12	Cancer cells become less deformable and more invasive with activation of $\beta$ 2-adrenergic signaling. <i>Journal of Cell Science</i> , 2016, 129, 4563-4575.	1.2	63
13	Plasma membrane localization of the $\mu$ -opioid receptor controls spatiotemporal signaling. <i>Science Signaling</i> , 2016, 9, ra16.	1.6	61
14	A Role for Bone Morphogenetic Protein-4 in Lymph Node Vascular Remodeling and Primary Tumor Growth. <i>Cancer Research</i> , 2011, 71, 6547-6557.	0.4	59
15	Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. <i>Nature Metabolism</i> , 2021, 3, 1175-1188.	5.1	56
16	MACROD2 Haploinsufficiency Impairs Catalytic Activity of PARP1 and Promotes Chromosome Instability and Growth of Intestinal Tumors. <i>Cancer Discovery</i> , 2018, 8, 988-1005.	7.7	55
17	Secondary Self-Assembly of Supramolecular Nanotubes into Tubisomes and Their Activity on Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16678-16682.	7.2	45
18	Nucleocytoplasmic Coagulation: An Injury-Induced Aggregation Event that Disulfide Crosslinks Proteins and Facilitates Their Removal by Plasmin. <i>Cell Reports</i> , 2012, 2, 889-901.	2.9	44

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19	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , 2017, 243, 496-509.	2.1	44
20	Homeobox gene DLX4 expression is increased in idiopathic human fetal growth restriction. <i>Molecular Human Reproduction</i> , 2006, 12, 763-769.	1.3	40
21	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. <i>PLoS Pathogens</i> , 2021, 17, e1009165.	2.1	40
22	Microfluidic preparation of drug-loaded PEGylated liposomes, and the impact of liposome size on tumour retention and penetration. <i>Journal of Liposome Research</i> , 2019, 29, 1-9.	1.5	39
23	The PPAR $\beta$ agonist rosiglitazone promotes the induction of brite adipocytes, increasing $\beta^2$ -adrenoceptor-mediated mitochondrial function and glucose uptake. <i>Cellular Signalling</i> , 2018, 42, 54-66.	1.7	38
24	Genome-wide functional analysis reveals central signaling regulators of lymphatic endothelial cell migration and remodeling. <i>Science Signaling</i> , 2017, 10, .	1.6	37
25	Vascular Endothelial Growth Factor-d Modulates Caliber and Function of Initial Lymphatics in the Dermis. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2074-2084.	0.3	36
26	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. <i>ACS Applied Nano Materials</i> , 2019, 2, 1844-1856.	2.4	36
27	Potential Toxicity of Polymyxins in Human Lung Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	34
28	Carboxylated Cy5-Labeled Comb Polymers Passively Diffuse the Cell Membrane and Target Mitochondria. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31302-31310.	4.0	34
29	A fluorescent histone deacetylase (HDAC) inhibitor for cellular imaging. <i>Chemical Communications</i> , 2015, 51, 7827-7830.	2.2	33
30	Ptpn6 inhibits caspase-8- and Ripk3/Mlkl-dependent inflammation. <i>Nature Immunology</i> , 2020, 21, 54-64.	7.0	33
31	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , 2019, 9, 1154-1169.	4.6	32
32	Cell quiescence correlates with enhanced glioblastoma cell invasion and cytotoxic resistance. <i>Experimental Cell Research</i> , 2019, 374, 353-364.	1.2	31
33	Immune response to intravenous immunoglobulin in patients with Kawasaki disease and MIS-C. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	31
34	Practical and low cost whole-organism motility assay: A step-by-step protocol. <i>Molecular and Cellular Probes</i> , 2016, 30, 13-17.	0.9	30
35	Divergent effects of strontium and calcium-sensing receptor positive allosteric modulators (calcimimetics) on human osteoclast activity. <i>British Journal of Pharmacology</i> , 2018, 175, 4095-4108.	2.7	29
36	Plasminogen fragmentation and increased production of extracellular matrix-degrading proteinases are associated with serous epithelial ovarian cancer progression. <i>Gynecologic Oncology</i> , 2004, 92, 80-88.	0.6	28

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37	Fas regulates neutrophil lifespan during viral and bacterial infection. <i>Journal of Leukocyte Biology</i> , 2015, 97, 321-326.	1.5	28
38	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> , 2016, 12, 1.	1.4	28
39	Passive tumour targeting and extravasation of cylindrical polymer brushes in mouse xenografts. <i>Chemical Communications</i> , 2016, 52, 9121-9124.	2.2	28
40	In Vivo Real-Time Visualization of Leukocytes and Intracellular Hydrogen Peroxide Levels During a Zebrafish Acute Inflammation Assay. <i>Methods in Enzymology</i> , 2012, 506, 135-156.	0.4	26
41	A novel segmental challenge model for bleomycin-induced pulmonary fibrosis in sheep. <i>Experimental Lung Research</i> , 2015, 41, 115-134.	0.5	26
42	Cellular Uptake and Localization of Polymyxins in Renal Tubular Cells Using Rationally Designed Fluorescent Probes. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7489-7496.	1.4	26
43	Condensin I and II behaviour in interphase nuclei and cells undergoing premature chromosome condensation. <i>Chromosome Research</i> , 2016, 24, 243-269.	1.0	26
44	Inhibition of the K <sup>Ca</sup> 3.1 Channel Alleviates Established Pulmonary Fibrosis in a Large Animal Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 539-550.	1.4	26
45	Biologically active constituents of the secretome of human W8B2+ cardiac stem cells. <i>Scientific Reports</i> , 2018, 8, 1579.	1.6	26
46	Stress hormone signaling through $\beta_2$ -adrenergic receptors regulates macrophage mechanotype and function. <i>FASEB Journal</i> , 2019, 33, 3997-4006.	0.2	26
47	Axonally derived matrilin-2 induces proinflammatory responses that exacerbate autoimmune neuroinflammation. <i>Journal of Clinical Investigation</i> , 2014, 124, 5042-5056.	3.9	26
48	Differences in the cellular composition of small versus large uterine fibroids. <i>Reproduction</i> , 2016, 152, 467-480.	1.1	25
49	Deguelin exerts potent nematocidal activity via the mitochondrial respiratory chain. <i>FASEB Journal</i> , 2017, 31, 4515-4532.	0.2	25
50	Rosiglitazone and a $\beta_3$ -Adrenoceptor Agonist Are Both Required for Functional Browning of White Adipocytes in Culture. <i>Frontiers in Endocrinology</i> , 2018, 9, 249.	1.5	25
51	Systematic high-content genome-wide RNAi screens of endothelial cell migration and morphology. <i>Scientific Data</i> , 2017, 4, 170009.	2.4	23
52	Combination of agrin and laminin increase acetylcholine receptor clustering and enhance functional neuromuscular junction formation <i>in vitro</i> . <i>Developmental Neurobiology</i> , 2016, 76, 551-565.	1.5	21
53	Characterisation and 3D structure of melanomacrophage centers in shorthorn sculpins ( <i>Myoxocephalus scorpius</i> ). <i>Tissue and Cell</i> , 2019, 57, 34-41.	1.0	21
54	<i>In Vivo</i> Formation of Cubic Phase <i>in Situ</i> after Oral Administration of Cubic Phase Precursor Formulation Provides Long Duration Gastric Retention and Absorption for Poorly Water-Soluble Drugs. <i>Molecular Pharmaceutics</i> , 2016, 13, 280-286.	2.3	20

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55	Loss of the Wnt receptor Frizzled7 in the gastric epithelium is deleterious and triggers rapid repopulation in vivo. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 971-980.	1.2	20
56	Inflammation-associated changes in DOR expression and function in the mouse colon. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G544-G559.	1.6	20
57	Using a Multiplex Nucleic Acid in situ Hybridization Technique to Determine HCN4 mRNA Expression in the Adult Rodent Brain. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 211.	1.4	20
58	A Nonionic Polyethylene Oxide (PEO) Surfactant Model: Experimental and Molecular Dynamics Studies of Kolliphor EL. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 193-204.	1.6	20
59	Detection and Quantification of Intracellular Signaling Using FRET-Based Biosensors and High Content Imaging. <i>Methods in Molecular Biology</i> , 2015, 1335, 131-161.	0.4	20
60	Divergent lymphocyte signalling revealed by a powerful new tool for analysis of time-lapse microscopy. <i>Immunology and Cell Biology</i> , 2013, 91, 70-81.	1.0	19
61	Direct Comparison of Standard Transmission Electron Microscopy and Cryogenic-TEM in Imaging Nanocrystals Inside Liposomes. <i>Molecular Pharmaceutics</i> , 2019, 16, 1775-1781.	2.3	18
62	The Wiggle Index: An Open Source Bioassay to Assess Sub-Lethal Insecticide Response in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0145051.	1.1	18
63	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> , 2021, 296, 100345.	1.6	17
64	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> , 2018, 272, 17-28.	4.8	16
65	Expansion of the phenotypic spectrum of de novo missense variants in kinesin family member 1A (KIF1A). <i>npj Genet Genomics</i> , 2021, 1, 1-16.	1.1	16
66	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> , 2021, 332, 636-651.	4.8	16
67	Key signaling networks are dysregulated in patients with the adipose tissue disorder, lipedema. <i>International Journal of Obesity</i> , 2022, 46, 502-514.	1.6	15
68	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> , 2022, 23, 835.	1.8	15
69	Characterisation of a novel coumarin-based fluorescent probe for monitoring nitric oxide production in macrophages. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5743-5748.	1.4	13
70	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> , 2019, 555, 361-372.	5.0	13
71	Lysophosphatidylcholine modulates the aggregation of human islet amyloid polypeptide. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30627-30635.	1.3	12
72	A Fresh Shine on Cystic Fibrosis Inhalation Therapy: Antimicrobial Synergy of Polymyxin B in Combination with Silver Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 447-457.	0.5	12

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73	Examining the gastrointestinal transit of lipid-based liquid crystalline systems using whole-animal imaging. <i>Drug Delivery and Translational Research</i> , 2015, 5, 566-574.	3.0	11
74	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. <i>Biomaterials Science</i> , 2021, 9, 835-846.	2.6	11
75	Secondary Self-Assembly of Supramolecular Nanotubes into Tubosomes and Their Activity on Cells. <i>Angewandte Chemie</i> , 2018, 130, 16920-16924.	1.6	9
76	Analysis of cellular phosphatidylinositol (3,4,5)-trisphosphate levels and distribution using confocal fluorescent microscopy. <i>Analytical Biochemistry</i> , 2010, 406, 41-50.	1.1	8
77	Follistatin is essential for normal postnatal development and function of mouse oviduct and uterus. <i>Reproduction, Fertility and Development</i> , 2015, 27, 985.	0.1	8
78	High throughput, quantitative analysis of human osteoclast differentiation and activity. <i>Analytical Biochemistry</i> , 2017, 519, 51-56.	1.1	7
79	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> , 2021, 79, 693-708.	1.2	7
80	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> , 2017, 15, 30-43.	0.6	6
81	Development and Application of Subtype-Selective Fluorescent Antagonists for the Study of the Human Adenosine A <sub>1</sub> Receptor in Living Cells. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6670-6695.	2.9	6
82	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> , 2021, 588, 680-691.	5.0	6
83	Mouse models for dominant dystrophic epidermolysis bullosa carrying common human point mutations recapitulate the human disease. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	6
84	Identification of a Wnt-induced protein complex by affinity proteomics using an antibody that recognizes a sub-population of $\beta$ -catenin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 925-937.	1.1	5
85	In the Loop: Extrastriatal Regulation of Spiny Projection Neurons by GPR52. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2066-2076.	1.7	5
86	Depolymerization of hyaluronan using PEGylated human recombinant hyaluronidase promotes nanoparticle tumor penetration. <i>Nanomedicine</i> , 2021, 16, 275-292.	1.7	5
87	Reproductive plasticity and oogenesis in the queen honey bee ( <i>Apis mellifera</i> ). <i>Journal of Insect Physiology</i> , 2022, 136, 104347.	0.9	5
88	Changes in duodenal CD163-positive cells in dogs with chronic enteropathy after successful treatment. <i>Innate Immunity</i> , 2018, 24, 400-410.	1.1	4
89	$\text{LMP}^2$ immunoproteasome promotes lymphocyte survival by degrading apoptotic $\text{BH}^3$ -only proteins. <i>Immunology and Cell Biology</i> , 2018, 96, 981-993.	1.0	4
90	Visualising functional 5-HT <sub>3</sub> receptors containing A and C subunits at or near the cell surface. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110860.	2.5	4

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91	Assessing the cellular toxicity of peptide inhibitors of intracellular protein-protein interactions by microinjection. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115906.	1.4	4
92	The $\gamma$ -H2AX DSB marker may not be a suitable biodosimeter to measure the biological MRT valley dose. <i>International Journal of Radiation Biology</i> , 2021, 97, 642-656.	1.0	4
93	Machine Learning for the Fast and Accurate Assessment of Fitness in Coral Early Life History. <i>Remote Sensing</i> , 2021, 13, 3173.	1.8	4
94	Defining a therapeutic window for kinase inhibitors in leukemia to avoid neutropenia. <i>Oncotarget</i> , 2017, 8, 57948-57963.	0.8	4
95	Histological changes in the umbilical artery following severe chorioamnionitis and funisitis may be indicative of early atherosclerosis. <i>Placenta</i> , 2017, 50, 40-43.	0.7	3
96	Physiological and pharmacological impact of oxytocin on epididymal propulsion during the ejaculatory process in rodents and men. <i>FASEB Journal</i> , 2021, 35, e21639.	0.2	3
97	High-content siRNA 3D co-cultures to identify myoepithelial cell-derived breast cancer suppressor proteins. <i>Scientific Data</i> , 2021, 8, 147.	2.4	2
98	Enhanced nitric oxide production by macrophages treated with a cell-penetrating peptide conjugate. <i>Bioorganic Chemistry</i> , 2022, 123, 105763.	2.0	2
99	No observed effect on brain vasculature of Alzheimer's disease-related mutations in the zebrafish presenilin 1 gene. <i>Molecular Brain</i> , 2021, 14, 22.	1.3	1
100	139. <i>Cytokine</i> , 2014, 70, 61.	1.4	0
101	Activation of the NLRP1 Inflammasome Induces the Pyroptotic Death of Hematopoietic Progenitor Cells. <i>Blood</i> , 2012, 120, 1213-1213.	0.6	0
102	Fas Controls Neutrophil Lifespan during Bacterial and Viral Infection. <i>Blood</i> , 2014, 124, 1579-1579.	0.6	0