

Scott E Graham

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,919
citations

236925

25
h-index

254184

43
g-index

55
all docs

55
docs citations

55
times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of xCELLigence RTCA Biosensor Technology for Revealing the Profile and Window of Drug Responsiveness in Real Time. <i>Biosensors</i> , 2015, 5, 199-222.	4.7	139
2	TGF-beta1 regulates human brain pericyte inflammatory processes involved in neurovasculature function. <i>Journal of Neuroinflammation</i> , 2016, 13, 37.	7.2	136
3	Pro-inflammatory TNF α and IL-1 β differentially regulate the inflammatory phenotype of brain microvascular endothelial cells. <i>Journal of Neuroinflammation</i> , 2015, 12, 131.	7.2	134
4	Specific detection of CB1 receptors; cannabinoid CB1 receptor antibodies are not all created equal!. <i>Journal of Neuroscience Methods</i> , 2008, 171, 78-86.	2.5	113
5	Photoperiodic regulation of cellular retinoic acid-binding protein 1, GPR50 and nestin in tanycytes of the third ventricle ependymal layer of the Siberian hamster. <i>Journal of Endocrinology</i> , 2006, 191, 687-698.	2.6	99
6	Neuromedin U and Neuromedin U receptor-2 expression in the mouse and rat hypothalamus: effects of nutritional status. <i>Journal of Neurochemistry</i> , 2003, 87, 1165-1173.	3.9	92
7	The inflammasome pathway is amplified and perpetuated in an autocrine manner through connexin43 hemichannel mediated ATP release. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 385-393.	2.4	87
8	Detailed Characterisation of CB2 Receptor Protein Expression in Peripheral Blood Immune Cells from Healthy Human Volunteers Using Flow Cytometry. <i>International Journal of Immunopathology and Pharmacology</i> , 2010, 23, 25-34.	2.1	81
9	Isolation of highly enriched primary human microglia for functional studies. <i>Scientific Reports</i> , 2016, 6, 19371.	3.3	67
10	Exposure to Inflammatory Cytokines IL-1 β and TNF α Induces Compromise and Death of Astrocytes; Implications for Chronic Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e84269.	2.5	61
11	Neuroprotective potential of CB ₁ receptor agonists in an <i>in vitro</i> model of Huntington's disease. <i>British Journal of Pharmacology</i> , 2010, 160, 747-761.	5.4	60
12	RAPID COMMUNICATION oPer1 is an Early Response Gene Under Photoperiodic Regulation in the Ovine Pars Tuberalis. <i>Journal of Neuroendocrinology</i> , 1998, 10, 319-323.	2.6	56
13	Cannabinoid Receptor 1 trafficking and the role of the intracellular pool: Implications for therapeutics. <i>Biochemical Pharmacology</i> , 2010, 80, 1050-1062.	4.4	56
14	Induction of Krox-24 by Endogenous Cannabinoid Type 1 Receptors in Neuro2A Cells Is Mediated by the MEK-ERK MAPK Pathway and Is Suppressed by the Phosphatidylinositol 3-Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2006, 281, 29085-29095.	3.4	48
15	Real-time profiling of NK cell killing of human astrocytes using xCELLigence technology. <i>Journal of Neuroscience Methods</i> , 2011, 200, 173-180.	2.5	48
16	An anti-inflammatory role for C/EBP β in human brain pericytes. <i>Scientific Reports</i> , 2015, 5, 12132.	3.3	45
17	Patterning and detailed study of human hNT astrocytes on parylene-C/silicon dioxide substrates to the single cell level. <i>Biomaterials</i> , 2011, 32, 6541-6550.	11.4	42
18	Detailed analysis of inflammatory and neuromodulatory cytokine secretion from human NT2 astrocytes using multiplex bead array. <i>Neurochemistry International</i> , 2012, 60, 573-580.	3.8	39

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19	Cultured pericytes from human brain show phenotypic and functional differences associated with differential CD90 expression. <i>Scientific Reports</i> , 2016, 6, 26587.	3.3	38
20	Adult Human Glia, Pericytes and Meningeal Fibroblasts Respond Similarly to IFN γ but Not to TGF β 21 or M-CSF. <i>PLoS ONE</i> , 2013, 8, e80463.	2.5	37
21	First human hNT neurons patterned on parylene-C/silicon dioxide substrates: Combining an accessible cell line and robust patterning technology for the study of the pathological adult human brain. <i>Journal of Neuroscience Methods</i> , 2010, 194, 154-157.	2.5	32
22	Plasmin and regulators of plasmin activity control the migratory capacity and adhesion of human T cells and dendritic cells by regulating cleavage of the chemokine CCL21. <i>Immunology and Cell Biology</i> , 2016, 94, 955-963.	2.3	31
23	Regulation of human cerebro-microvascular endothelial baso-lateral adhesion and barrier function by S1P through dual involvement of S1P1 and S1P2 receptors. <i>Scientific Reports</i> , 2016, 6, 19814.	3.3	29
24	Interferon- β blocks signalling through PDGFR β in human brain pericytes. <i>Journal of Neuroinflammation</i> , 2016, 13, 249.	7.2	28
25	Bradykinin receptor β 1 activation induces inflammation and increases the permeability of human brain microvascular endothelial cells. <i>Cell Biology International</i> , 2020, 44, 343-351.	3.0	27
26	Neuromedin-U is regulated by the circadian clock in the SCN of the mouse. <i>European Journal of Neuroscience</i> , 2005, 21, 814-819.	2.6	26
27	The functional and inflammatory response of brain endothelial cells to Toll-Like Receptor agonists. <i>Scientific Reports</i> , 2018, 8, 10102.	3.3	26
28	Evidence for the Biosynthesis of a Prolactin β -Releasing Factor From the Ovine Pars Tuberalis, Which is Distinct from Thyrotropin β -Releasing Hormone. <i>Journal of Neuroendocrinology</i> , 2002, 14, 945-954.	2.6	24
29	Statins Inhibit Fibrillary β -Amyloid Induced Inflammation in a Model of the Human Blood Brain Barrier. <i>PLoS ONE</i> , 2016, 11, e0157483.	2.5	23
30	Characterization of NTERA2/D1 cells as a model system for the investigation of cannabinoid function in human neurons and astrocytes. <i>Journal of Neuroscience Research</i> , 2011, 89, 1685-1697.	2.9	22
31	Real-Time Measurement of Melanoma Cell-Mediated Human Brain Endothelial Barrier Disruption Using Electric Cell-Substrate Impedance Sensing Technology. <i>Biosensors</i> , 2019, 9, 56.	4.7	19
32	Enrichment of differentiated hNT neurons and subsequent analysis using flow-cytometry and xCELLigence sensing. <i>Journal of Neuroscience Methods</i> , 2014, 227, 47-56.	2.5	15
33	Human astrocytic grid networks patterned in parylene-C inlaid SiO $_2$ trenches. <i>Biomaterials</i> , 2016, 105, 117-126.	11.4	15
34	M1 Muscarinic Receptor Activation Mediates Cell Death in M1-HEK293 Cells. <i>PLoS ONE</i> , 2013, 8, e72011.	2.5	14
35	Anti-Inflammatory Therapies for Treatment of Inflammation-Related Preterm Brain Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4008.	4.1	14
36	ECIS technology reveals that monocytes isolated by CD14+ve selection mediate greater loss of BBB integrity than untouched monocytes, which occurs to a greater extent with IL-1 β activated endothelium in comparison to TNF α . <i>PLoS ONE</i> , 2017, 12, e0180267.	2.5	13

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37	Evidence for regulation of basic fibroblast growth factor gene expression by photoperiod and melatonin in the ovine pars tuberalis. <i>Molecular and Cellular Endocrinology</i> , 1999, 156, 45-53.	3.2	9
38	Is the Cannabinoid CB 2 Receptor a Major Regulator of the Neuroinflammatory Axis of the Neurovascular Unit in Humans?. <i>Advances in Pharmacology</i> , 2017, 80, 367-396.	2.0	9
39	Sensitive and Accurate Quantification of Human Leukocyte Migration Using High-Content Discovery-1 Imaging System and ATPlite Assay. <i>Journal of Biomolecular Screening</i> , 2012, 17, 386-393.	2.6	8
40	In Vitro Wounding Models Using the Electric Cell-Substrate Impedance Sensing (ECIS)-Z1 Technology. <i>Biosensors</i> , 2018, 8, 90.	4.7	8
41	Analysis of Melanoma Secretome for Factors That Directly Disrupt the Barrier Integrity of Brain Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8193.	4.1	7
42	Comprehensive analysis of inhibitory checkpoint ligand expression by glioblastoma cells. <i>Immunology and Cell Biology</i> , 2021, 99, 403-418.	2.3	7
43	Biosensor Technology Reveals the Disruption of the Endothelial Barrier Function and the Subsequent Death of Blood Brain Barrier Endothelial Cells to Sodium Azide and Its Gaseous Products. <i>Biosensors</i> , 2017, 7, 41.	4.7	6
44	Comparison of Leading Biosensor Technologies to Detect Changes in Human Endothelial Barrier Properties in Response to Pro-Inflammatory TNF α and IL1 β in Real-Time. <i>Biosensors</i> , 2021, 11, 159.	4.7	6
45	A Cell Derived Active Contour (CDAC) Method for Robust Tracking in Low Frame Rate, Low Contrast Phase Microscopy - an Example: The Human hNT Astrocyte. <i>PLoS ONE</i> , 2013, 8, e82883.	2.5	5
46	Development of positive control tissue for in situ hybridisation using Alvetex scaffolds. <i>Journal of Neuroscience Methods</i> , 2014, 238, 70-77.	2.5	4
47	Evaluation of parylene derivatives for use as biomaterials for human astrocyte cell patterning. <i>PLoS ONE</i> , 2019, 14, e0218850.	2.5	4
48	Activating a 2 α -2 Network of hNT Astrocytes with UV Laser Stimulation. , 2019, , .		3
49	Single Cell Grid Networks of Human Astrocytes On Chip. , 2019, , .		3
50	Superior galvanostatic electrochemical deposition of platinum nanograss provides high performance planar microelectrodes for in vitro neural recording. <i>Journal of Neural Engineering</i> , 2021, 18, 0460d8.	3.5	3
51	Geometric micro-shapes facilitate trackless connections between human astrocytes. <i>Journal of Neural Engineering</i> , 2021, 18, 036020.	3.5	1
52	Photoperiodic regulation of cellular retinoic acid-binding protein 1, GPR50 and nestin in tanycytes of the third ventricle ependymal layer of the Siberian hamster. <i>Journal of Endocrinology</i> , 2009, 203, 311.	2.6	0
53	Investigation of the Ca ²⁺ response of human hNT astrocytes to laser removal of cellular processes. , 2016, 2016, 1750-1753.		0
54	Investigating parylene-HT as a substrate for human cell patterning. , 2016, 2016, 141-144.		0

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55	Comparison of Leading Biosensor Technologies to Measure Endothelial Adhesion, Barrier Properties, and Responses to Cytokines in Real-Time. , 2020, 60, .		0