

# C Norman Scholfield

## List of Publications by Citations

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98  
papers

2,492  
citations

28  
h-index

46  
g-index

103  
ext. papers

2,692  
ext. citations

5.1  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
98	Fast retinal vessel detection and measurement using wavelets and edge location refinement. <i>PLoS ONE</i> , <b>2012</b> , 7, e32435	3.7	201
97	Potential of inhibition by general anaesthetics in neurones of the olfactory cortex in vitro. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1980</b> , 383, 249-55	4.6	126
96	Diabetes downregulates large-conductance Ca <sup>2+</sup> -activated potassium beta 1 channel subunit in retinal arteriolar smooth muscle. <i>Circulation Research</i> , <b>2007</b> , 100, 703-11	15.7	115
95	Depression of evoked potentials in brain slices by adenosine compounds. <i>British Journal of Pharmacology</i> , <b>1978</b> , 63, 239-44	8.6	103
94	Putative transmitters in denervated olfactory complex. <i>Journal of Neurochemistry</i> , <b>1975</b> , 24, 445-9	6	95
93	Electrical properties of neurones in the olfactory cortex slice in vitro. <i>Journal of Physiology</i> , <b>1978</b> , 275, 535-46	3.9	82
92	Nifedipine blocks Ca <sup>2+</sup> store refilling through a pathway not involving L-type Ca <sup>2+</sup> channels in rabbit arteriolar smooth muscle. <i>Journal of Physiology</i> , <b>2001</b> , 532, 609-23	3.9	76
91	A depolarizing inhibitory potential in neurones of the olfactory cortex in vitro. <i>Journal of Physiology</i> , <b>1978</b> , 275, 547-57	3.9	75
90	Meta-analysis of randomized controlled trials on cognitive effects of Bacopa monnieri extract. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 151, 528-35	5	73
89	Evoked surface-positive potentials in isolated mammalian olfactory cortex. <i>Brain Research</i> , <b>1974</b> , 76, 235-45	3.7	64
88	A barbiturate induced intensification of the inhibitory potential in slices of guinea-pig olfactory cortex. <i>Journal of Physiology</i> , <b>1978</b> , 275, 559-66	3.9	63
87	Depolarization of neurones in the isolated olfactory cortex of the guinea-pig by gamma-aminobutyric acid. <i>British Journal of Pharmacology</i> , <b>1979</b> , 65, 339-45	8.6	56
86	The role of lipids and protein kinase Cs in the pathogenesis of diabetic retinopathy. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2004</b> , 20, 28-43	7.5	54
85	Origin of the after-hyperpolarization that follows removal of depolarizing agents from the isolated superior cervical ganglion of the rat. <i>British Journal of Pharmacology</i> , <b>1972</b> , 44, 651-71	8.6	53
84	Additive Synergism between Asbestos and Smoking in Lung Cancer Risk: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135798	3.7	51
83	Depression and adherence to treatment in diabetic children and adolescents: a systematic review and meta-analysis of observational studies. <i>European Journal of Pediatrics</i> , <b>2014</b> , 173, 203-12	4.1	49
82	Somatically recorded Ca-currents in guinea-pig hippocampal and olfactory cortex neurones are resistant to adenosine action. <i>Neuroscience Letters</i> , <b>1984</b> , 50, 13-8	3.3	49

81	Changes of intracellular sodium and potassium ion concentrations in isolated rat superior cervical ganglia induced by depolarizing agents. <i>Journal of Physiology</i> , <b>1974</b> , 242, 307-19	3.9	49
80	Voltage- and cold-dependent gating of single TRPM8 ion channels. <i>Journal of General Physiology</i> , <b>2011</b> , 137, 173-95	3.4	47
79	Heterogeneity in cytosolic calcium regulation among different microvascular smooth muscle cells of the rat retina. <i>Microvascular Research</i> , <b>2000</b> , 59, 233-42	3.7	39
78	Bacopa monnieri and its constituents is hypotensive in anaesthetized rats and vasodilator in various artery types. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 137, 790-5	5	36
77	Diabetes-induced activation of protein kinase C inhibits store-operated Ca <sup>2+</sup> uptake in rat retinal microvascular smooth muscle. <i>Diabetologia</i> , <b>2003</b> , 46, 1252-9	10.3	35
76	Bacopa monnieri increases cerebral blood flow in rat independent of blood pressure. <i>Phytotherapy Research</i> , <b>2013</b> , 27, 135-8	6.7	32
75	Uptake of nicotine and extracellular space markers by isolated rat ganglia in relation to receptor activation. <i>British Journal of Pharmacology</i> , <b>1971</b> , 42, 100-13	8.6	32
74	Movements of labelled sodium ions in isolated rat superior cervical ganglia. <i>Journal of Physiology</i> , <b>1974</b> , 242, 321-51	3.9	29
73	Hospital admissions associated with medication non-adherence: a systematic review of prospective observational studies. <i>BMJ Quality and Safety</i> , <b>2018</b> , 27, 902-914	5.4	28
72	Cellular physiology of retinal and choroidal arteriolar smooth muscle cells. <i>Microcirculation</i> , <b>2007</b> , 14, 11-24	2.9	28
71	Presynaptic K-channel blockade counteracts the depressant effect of adenosine in olfactory cortex. <i>Neuroscience</i> , <b>1988</b> , 24, 81-91	3.9	28
70	Antagonism of gamma-aminobutyric acid and muscimol by picrotoxin, bicuculline, strychnine, bemegride, leptazol, D-tubocurarine and theophylline in the isolated olfactory cortex. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1982</b> , 318, 274-80	3.4	28
69	A-type potassium current in retinal arteriolar smooth muscle cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 3281-7		27
68	Effects of adenosine uptake blockers and adenosine on evoked potentials of guinea-pig olfactory cortex. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1986</b> , 406, 25-30	4.6	27
67	Kv1.5 is a major component underlying the A-type potassium current in retinal arteriolar smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H1001-8	5.2	25
66	Levels and synthesis of glutamate and aspartate in the olfactory cortex following bulbectomy. <i>Journal of Neurochemistry</i> , <b>1983</b> , 41, 135-8	6	25
65	Identification and spatiotemporal characterization of spontaneous Ca <sup>2+</sup> sparks and global Ca <sup>2+</sup> oscillations in retinal arteriolar smooth muscle cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4409-14		23
64	Properties of K-currents in unmyelinated presynaptic axons of brain revealed revealed by extracellular polarisation. <i>Brain Research</i> , <b>1990</b> , 507, 121-8	3.7	22

63	Effect of glucose on endothelin-1-induced calcium transients in cultured bovine retinal pericytes. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 25250-3	5.4	20
62	Baclofen blocks postsynaptic inhibition but not the effect of muscimol in the olfactory cortex. <i>British Journal of Pharmacology</i> , <b>1983</b> , 78, 79-84	8.6	20
61	Selective downregulation of the BKbeta1 subunit in diabetic arteriolar myocytes. <i>Channels</i> , <b>2007</b> , 1, 141-3		19
60	Local anesthetics and barbiturates: effects on evoked potentials in isolated mammalian cortex. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>1975</b> , 195, 522-31	4.7	19
59	Adenosine-induced depression of synaptic transmission in the isolated olfactory cortex: receptor identification. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1985</b> , 403, 141-5	4.6	18
58	Endothelin 1 stimulates Ca <sup>2+</sup> -sparks and oscillations in retinal arteriolar myocytes via IP3R and RyR-dependent Ca <sup>2+</sup> release <b>2011</b> , 52, 3874-9		17
57	Inhibition of GABA uptake potentiates the conductance increase produced by GABA-mimetic compounds on single neurones in isolated olfactory cortex slices of the guinea-pig. <i>British Journal of Pharmacology</i> , <b>1984</b> , 83, 195-202	8.6	17
56	Pharmacokinetics of mitragynine, a major analgesic alkaloid in kratom ( <i>Mitragyna speciosa</i> ): A systematic review. <i>Asian Journal of Psychiatry</i> , <b>2019</b> , 43, 73-82	6.7	16
55	Convulsants antagonise inhibition in the olfactory cortex slice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1980</b> , 314, 29-36	3.4	16
54	Nicotine washout rates from isolated rat ganglia in relation to recovery from nicotine depolarization. <i>British Journal of Pharmacology</i> , <b>1972</b> , 45, 29-36	8.6	16
53	Ca <sup>2+</sup> -activated Cl <sup>-</sup> current in retinal arteriolar smooth muscle <b>2009</b> , 50, 364-71		15
52	ATP and norepinephrine contributions to sympathetic vasoconstriction of tail artery are altered in streptozotocin-diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H2327-33	5.2	15
51	Ca-channel blockers and the electrophysiology of synaptic transmission of the guinea-pig olfactory cortex. <i>European Journal of Pharmacology</i> , <b>1986</b> , 130, 273-8	5.3	15
50	Curcumin analogues inhibit phosphodiesterase-5 and dilate rat pulmonary arteries. <i>Journal of Pharmacy and Pharmacology</i> , <b>2015</b> , 67, 87-95	4.8	14
49	Ca(2+) sparks promote myogenic tone in retinal arterioles. <i>British Journal of Pharmacology</i> , <b>2013</b> , 168, 1675-86	8.6	14
48	Short isoforms of the cold receptor TRPM8 inhibit channel gating by mimicking heat action rather than chemical inhibitors. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 2963-70	5.4	14
47	Curcuma aeruginosa Roxb. essential oil slows hair-growth and lightens skin in axillae; a randomised, double blinded trial. <i>Phytomedicine</i> , <b>2017</b> , 25, 29-38	6.5	13
46	Feedback via Ca <sup>2+</sup> -activated ion channels modulates endothelin 1 signaling in retinal arteriolar smooth muscle <b>2012</b> , 53, 3059-66		13

45	Presynaptic Na/Ca action potentials in unmyelinated axons of olfactory cortex. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1988</b> , 411, 180-7	4.6	13
44	Modification of smooth muscle Ca <sup>2+</sup> -sparks by tetracaine: evidence for sequential RyR activation. <i>Cell Calcium</i> , <b>2008</b> , 43, 142-54	4	12
43	Bacopa monnieri extract increases rat coronary flow and protects against myocardial ischemia/reperfusion injury. <i>BMC Complementary and Alternative Medicine</i> , <b>2017</b> , 17, 117	4.7	11
42	Calcium signaling in ocular arterioles. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2007</b> , 17, 1-12	1.3	10
41	NMDA antagonists increase recovery of evoked potentials from slices of rat olfactory cortex after anoxia. <i>British Journal of Pharmacology</i> , <b>1994</b> , 111, 1221-7	8.6	10
40	A phorbol diester-induced enhancement of synaptic transmission in olfactory cortex. <i>British Journal of Pharmacology</i> , <b>1989</b> , 98, 1344-50	8.6	10
39	General anaesthetics and field currents in unclamped, unmyelinated axons of rat olfactory cortex. <i>British Journal of Pharmacology</i> , <b>1990</b> , 101, 217-23	8.6	10
38	Role of ion channels and subcellular Ca <sup>2+</sup> signaling in arachidonic acid-induced dilation of pressurized retinal arterioles <b>2014</b> , 55, 2893-902		9
37	cAMP/PKA-dependent increases in Ca Sparks, oscillations and SR Ca stores in retinal arteriolar myocytes after exposure to vasopressin <b>2010</b> , 51, 1591-8		9
36	Ro 15-1788 is a potent antagonist of benzodiazepines in the olfactory cortex slice. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1983</b> , 396, 292-6	4.6	9
35	Diazepam increases GABA mediated inhibition in the olfactory cortex slice. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1983</b> , 397, 312-8	4.6	9
34	Association Between HLA genotypes and Oxcarbazepine-induced Cutaneous Adverse Drug Reactions: A Systematic Review and Meta-Analysis. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2018</b> , 21, 1-18	3.4	8
33	The role of K <sup>+</sup> and Cl <sup>-</sup> channels in the regulation of retinal arteriolar tone and blood flow <b>2014</b> , 55, 2157-65		8
32	Concentration dependence of adenosine and the protection of rat cortical neurones during anoxia. <i>Brain Research</i> , <b>1994</b> , 656, 174-6	3.7	8
31	Studies on unmyelinated axons and varicosities in the olfactory cortex. <i>Experimental Brain Research</i> , <b>1990</b> , 80, 436-40	2.3	8
30	Transient Ca <sup>2+</sup> -activated Cl <sup>-</sup> -currents with endothelin in isolated arteriolar smooth muscle cells of the choroid. <i>Investigative Ophthalmology and Visual Science</i> , <b>2000</b> , 41, 2279-85		8
29	Efficacy and safety of "Yahom" as a traditional Thai herbal therapy: A systematic review. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 196, 110-123	5	7
28	Detecting Ca <sup>2+</sup> sparks on stationary and varying baselines. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 301, C717-28	5.4	7

27	Stimulation of L-type Ca <sup>2+</sup> current by the endothelin receptor A-selective antagonist, BQ-123 in ventricular cardiomyocytes isolated from the rabbit myocardium. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 897-902	6	6
26	gamma-Aminobutyric acid partly mediates the pentobarbitone depression of synaptic excitation in the guinea-pig olfactory cortex in vitro. <i>Neuroscience Letters</i> , <b>1985</b> , 56, 33-8	3.3	6
25	Cellular uptake of gamma-aminobutyric acid influences its potency on neurones of olfactory cortex in vitro [proceedings]. <i>Journal of Physiology</i> , <b>1978</b> , 284, 129P-130P	3.9	6
24	Endothelin-1 mediated inhibition of the acetylcholine-activated potassium current from rabbit isolated atrial cardiomyocytes. <i>British Journal of Pharmacology</i> , <b>1996</b> , 119, 1427-37	8.6	5
23	Molecular mechanism of general anaesthetic action?. <i>Trends in Pharmacological Sciences</i> , <b>1988</b> , 9, 11-2	13.2	5
22	Movements of radioactive potassium in isolated rat ganglia. <i>Journal of Physiology</i> , <b>1977</b> , 268, 123-37	3.9	5
21	On the nature of the drug-induced after-hyperpolarization in isolated rat ganglia. <i>British Journal of Pharmacology</i> , <b>1969</b> , 37, 511P-513P	8.6	5
20	Leptazol antagonises the post-synaptic actions of gamma-aminobutyric acid [proceedings]. <i>British Journal of Pharmacology</i> , <b>1979</b> , 67, 443P-444P	8.6	5
19	Sesquiterpene-Enriched Extract of <i>Curcuma aeruginosa</i> Roxb. Retards Axillary Hair Growth: A Randomised, Placebo-Controlled, Double-Blind Study. <i>Skin Pharmacology and Physiology</i> , <b>2018</b> , 31, 99-106	10.2	4
18	Pharmacological profiling of store-operated Ca <sup>2+</sup> entry in retinal arteriolar smooth muscle. <i>Microcirculation</i> , <b>2012</b> , 19, 586-97	2.9	4
17	Evidence for two endothelin Et(A) receptor subtypes in rabbit arteriolar smooth muscle. <i>British Journal of Pharmacology</i> , <b>2001</b> , 134, 1787-95	8.6	4
16	Action of alpha-dendrotoxin on K <sup>+</sup> currents in nerve terminal regions of axons in rat olfactory cortex. <i>British Journal of Pharmacology</i> , <b>1993</b> , 109, 535-8	8.6	4
15	Adenosine-induced enhanced recovery of evoked responses after anoxia. <i>NeuroReport</i> , <b>1990</b> , 1, 123-5	1.7	4
14	Action of general anaesthetics on unclamped Ca(2+)-mediated currents in unmyelinated axons of rat olfactory cortex. <i>European Journal of Pharmacology</i> , <b>1991</b> , 203, 59-65	5.3	4
13	Time-course of declining electrical activity in guinea-pig olfactory cortex after olfactory bulb removal. <i>Neuroscience Letters</i> , <b>1980</b> , 19, 297-301	3.3	4
12	Discovery of Natural Steroid 5 Alpha-Reductase Inhibitors. <i>Assay and Drug Development Technologies</i> , <b>2019</b> , 17, 44-57	2.1	4
11	Potentials in isolated rat superior cervical ganglia produced by nicotine. <i>British Journal of Pharmacology</i> , <b>1970</b> , 40, 559P-561P	8.6	3
10	Cellulite Reduction by Modified Thai Herbal Compresses; A Randomized Double-Blind Trial. <i>Journal of Evidence-based Integrative Medicine</i> , <b>2018</b> , 23, 2515690X18794158	2.8	3

9	Isolation of Retinal Arterioles for Ex Vivo Cell Physiology Studies. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
8	Phorbol dibutyrate enhances local anaesthetic action. <i>British Journal of Pharmacology</i> , <b>1991</b> , 102, 146-508.6		2
7	Pulse-modulated light source for psychometric and vision experiments. <i>Journal of Neuroscience Methods</i> , <b>1987</b> , 19, 203-7	3	2
6	Interaction between phorbol dibutyrate and anaesthetics on synaptic responses from olfactory cortex of rat. <i>Neuropharmacology</i> , <b>1991</b> , 30, 1113-8	5.5	1
5	A regulated high-voltage supply running from a battery using the voltage multiplier principle. <i>Journal of Physics E: Scientific Instruments</i> , <b>1984</b> , 17, 954-956		1
4	Depolarization of neurones in slices of the olfactory cortex of the guinea-pig by GABA. <i>Brain Research Bulletin</i> , <b>1980</b> , 5, 291-293	3.9	1
3	New developments in diabetic retinopathy. <i>Expert Review of Ophthalmology</i> , <b>2007</b> , 2, 947-956	1.5	
2	Phorbol ester and lignocaine or pentobarbitone interactions at presynaptic axons. <i>NeuroReport</i> , <b>1992</b> , 3, 139-42	1.7	
1	High-current and high-voltage stimulators. <i>Journal of Neuroscience Methods</i> , <b>1985</b> , 12, 227-33	3	