John R Phillips

List of Publications by Year
in descending order

44 papers	3,367 citations	279798 23 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	1991 citing authors

#	Article	IF	Citations
1	Tactile spatial resolution. I. Two-point discrimination, gap detection, grating resolution, and letter recognition. Journal of Neurophysiology, 1981, 46, 1177-1192.	1.8	453
2	Effect of Dual-Focus Soft Contact Lens Wear on Axial Myopia Progression in Children. Ophthalmology, 2011, 118, 1152-1161.	5.2	326
3	Tactile spatial resolution. II. Neural representation of Bars, edges, and gratings in monkey primary afferents. Journal of Neurophysiology, 1981, 46, 1192-1203.	1.8	315
4	Tactile roughness: neural codes that account for psychophysical magnitude estimates. Journal of Neuroscience, 1990, 10, 3823-3836.	3.6	285
5	Tactile spatial resolution. III. A continuum mechanics model of skin predicting mechanoreceptor responses to bars, edges, and gratings. Journal of Neurophysiology, 1981, 46, 1204-1225.	1.8	243
6	Spatial pattern representation and transformation in monkey somatosensory cortex.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1317-1321.	7.1	185
7	Responses of human mechanoreceptive afferents to embossed dot arrays scanned across fingerpad skin. Journal of Neuroscience, 1992, 12, 827-839.	3.6	158
8	Induced myopia associated with increased scleral creep in chick and tree shrew eyes. Investigative Ophthalmology and Visual Science, 2000, 41, 2028-34.	3.3	118
9	Representation of braille characters in human nerve fibres. Experimental Brain Research, 1990, 81, 589-592.	1.5	117
10	Effect of retinal image defocus on the thickness of the human choroid. Ophthalmic and Physiological Optics, 2015, 35, 405-413.	2.0	87
11	Spreading of the Tears After a Blink. Cornea, 2001, 20, 484-487.	1.7	83
12	Monovision slows juvenile myopia progression unilaterally. British Journal of Ophthalmology, 2005, 89, 1196-1200.	3.9	80
13	A comparison of visual and two modes of tactual letter resolution. Perception & Psychophysics, 1983, 34, 243-249.	2.3	76
14	Form deprivation myopia: elastic properties of sclera. Ophthalmic and Physiological Optics, 1995, 15, 357-362.	2.0	69
15	Pressure-Induced Changes in Axial Eye Length of Chick and Tree Shrew: Significance of Myofibroblasts in the Sclera. , 2004, 45, 758.		62
16	Ocular effects of virtual reality headset wear in young adults. Scientific Reports, 2017, 7, 16172.	3.3	62
17	Form deprivation myopia: elastic properties of sclera. Ophthalmic and Physiological Optics, 1995, 15, 357-362.	2.0	60
18	A rotating drum stimulator for scanning embossed patterns and textures across the skin. Journal of Neuroscience Methods, 1988, 22, 221-231.	2.5	49

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19	The Spatial Characteristics of Tactile Form Perception. Perception, 1983, 12, 615-626.	1.2	46
20	Origins of Pupillary Hippus in the Autonomic Nervous System. , 2017, 58, 197.		46
21	Peripheral refraction in myopia corrected with spectacles versus contact lenses. Ophthalmic and Physiological Optics, 2012, 32, 294-303.	2.0	45
22	Neural mechanisms of scanned and stationary touch. Journal of the Acoustical Society of America, 1985, 77, 220-224.	1.1	38
23	Effect of Atropine Eye Drops on Choroidal Thinning Induced by Hyperopic Retinal Defocus. Journal of Ophthalmology, 2018, 2018, 1-6.	1.3	36
24	Influence of periodic vs continuous daily bright light exposure on development of experimental myopia in the chick. Ophthalmic and Physiological Optics, 2013, 33, 563-572.	2.0	35
25	Peripheral Refraction in High Myopia with Spherical Soft Contact Lenses. Optometry and Vision Science, 2012, 89, 263-270.	1.2	30
26	Effect of Induced Myopia on Scleral Myofibroblasts and In Vivo Ocular Biomechanical Compliance in the Guinea Pig. , 2010, 51, 6162.		27
27	Contact Lens Methods for Clinical Myopia Control. Optometry and Vision Science, 2016, 93, 1120-1126.	1.2	23
28	The Effect of Atropine on Human Global Flash mfERG Responses to Retinal Defocus. , 2019, 60, 218.		19
29	A Canine Model of Inherited Myopia: Familial Aggregation of Refractive Error in Labrador Retrievers. , 2008, 49, 4784.		18
30	Which lowâ€dose atropine for myopia control?. Australasian journal of optometry, The, 2020, 103, 230-232.	1.3	18
31	Additive effect of atropine eye drops and short-term retinal defocus on choroidal thickness in children with myopia. Scientific Reports, 2020, 10, 18310.	3.3	18
32	Texture perception and afferent coding distorted by cooling the human ulnar nerve. Journal of Neuroscience, 1993, 13, 2332-2341.	3.6	17
33	Effect of Optical Defocus on Choroidal Thickness in Healthy Adults With Presbyopia. , 2018, 59, 5188.		17
34	Is scleral crossâ€linking a feasible treatment for myopia control?. Ophthalmic and Physiological Optics, 2013, 33, 385-389.	2.0	16
35	Visually guided eye growth in the squid. Current Biology, 2015, 25, R791-R792.	3.9	15
36	Observer Experience and Cup:Disc Ratio Assessment. Optometry and Vision Science, 2001, 78, 701-705.	1.2	14

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37	Repeatability of Arterial Spin Labeling MRI in Measuring Blood Perfusion in the Human Eye. Journal of Magnetic Resonance Imaging, 2019, 49, 966-974.	3.4	13
38	Tear Spreading Rates: Post-Blink. Advances in Experimental Medicine and Biology, 2002, 506, 1201-1204.	1.6	12
39	The changing scope of Optometry in New Zealand: historical perspectives, current practice and research advances. Journal of the Royal Society of New Zealand, 2019, 49, 188-204.	1.9	9
40	Multifocal Orthokeratology versus Conventional Orthokeratology for Myopia Control: A Paired-Eye Study. Journal of Clinical Medicine, 2021, 10, 447.	2.4	9
41	Globalâ€flash mfERG responses to local differences in spherical and astigmatic defocus across the human retina. Ophthalmic and Physiological Optics, 2020, 40, 24-34.	2.0	8
42	The acute effect of atropine eye drops on the human full-field electroretinogram. Documenta Ophthalmologica, 2021, 142, 315-328.	2.2	7
43	Spatial and Nonspatial Neural Mechanisms Underlying Tactile Spatial Discrimination. , 1984, , 237-248.		1
44	Spatial and Nonspatial Neural Mechanisms Underlying Tactile Spatial Discrimination. , 1984, , 237-248.		1