

David Wong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118
papers

3,548
citations

34
h-index

56
g-index

134
ext. papers

4,025
ext. citations

3.8
avg, IF

5.12
L-index

#	Paper	IF	Citations
118	Ophthalmic Biomaterials 2021 , 495-515		
117	An in-vitro study of subretinal perfluorocarbon liquid (PFCL) droplets and the physics of their retention and evacuation. <i>Acta Ophthalmologica</i> , 2021 , 99, e1517-e1523	3.7	
116	Histopathological Changes and Clinical Outcomes following Intervention for Sub-Internal Limiting Membrane Haemorrhage. <i>Ophthalmologica</i> , 2020 , 243, 217-223	3.7	0
115	Amphiphilic additives in silicone oil tamponade and emulsification: an eye-on-a-chip study. <i>Acta Ophthalmologica</i> , 2020 , 98, e232-e237	3.7	4
114	Adhesion of silicone oil and emulsification: an in vitro assessment using a microfluidic device and Eye-on-a-Chip <i>Acta Ophthalmologica</i> , 2019 , 97, 313-318	3.7	13
113	Cutting the Internal Limiting Membrane With Zero Aspiration Technique: A Clinical Audit. <i>Retina</i> , 2019 , 39 Suppl 1, S133-S136	3.6	2
112	A perfluorobutylpentane (F4H5)-based solution for the removal of residual emulsified silicone oil. <i>Acta Ophthalmologica</i> , 2018 , 96, e38-e45	3.7	4
111	In vitro experiment to elucidate the mechanism of the soft shell technique for preventing subretinal migration of perfluoro-octane. <i>British Journal of Ophthalmology</i> , 2017 , 101, 389-394	5.5	6
110	Polydimethyl Siloxane as an Internal Tamponade for Vitreoretinal Surgery. <i>Ophthalmologica</i> , 2017 , 238, 68-73	3.7	6
109	Obstructive Sleep Apnea and Diabetes Mellitus. Seeing Beyond Glycemic Control. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 807-809	10.2	
108	Towards better characterization and quantification of emulsification of silicone oil in vitro. <i>Acta Ophthalmologica</i> , 2017 , 95, e385-e392	3.7	9
107	Diabetic retinopathy screening: global and local perspective. <i>Hong Kong Medical Journal</i> , 2016 , 22, 486-95.7		26
106	Detection of Glaucoma and Its Association With Diabetic Retinopathy in a Diabetic Retinopathy Screening Program. <i>Journal of Glaucoma</i> , 2016 , 25, 101-5	2.1	8
105	Quantifying silicone oil emulsification in patients: are we only seeing the tip of the iceberg?. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 1671-5	3.8	21
104	Subretinal Visual Implant Alpha IMS--Clinical trial interim report. <i>Vision Research</i> , 2015 , 111, 149-60	2.1	250
103	Development of emulsification resistant heavier-than-water tamponades using high molecular weight silicone oil polymers. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 212-20	2.9	10
102	Deficiency of aldose reductase attenuates inner retinal neuronal changes in a mouse model of retinopathy of prematurity. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 1503-13	3.8	16

101	A low-molecular-weight oil cleaner for removal of leftover silicone oil intraocular tamponade. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1014-22		8
100	In Vitro Modeling of Emulsification of Silicone Oil as Intraocular Tamponade Using Microengineered Eye-on-a-Chip 2015 , 56, 3314-9		21
99	IV.G. Physiology of Vitreous Substitutes 2014 , 537-549		1
98	IV.F. Pharmacotherapy of Proliferative Vitreoretinopathy 2014 , 523-536		1
97	Flow behavior of heavy silicone oil during eye movements. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 8453-7		10
96	Factors influencing the shear rate acting on silicone oil to cause silicone oil emulsification 2014 , 55, 7451-6		17
95	Spontaneous Self-Concept Among Chinese Undergraduates in Hong Kong. <i>Social Behavior and Personality</i> , 2014 , 42, 1353-1363	1.2	1
94	The incidental findings of age-related macular degeneration during diabetic retinopathy screening. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2014 , 252, 723-9	3.8	9
93	Special Adjuncts to Treatment 2013 , 1735-1783		4
92	Neuroprotective effects of lutein in a rat model of retinal detachment. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2013 , 251, 41-51	3.8	39
91	Prevalence of ocular abnormalities in adults with Down syndrome in Hong Kong. <i>British Journal of Ophthalmology</i> , 2013 , 97, 423-8	5.5	17
90	Novel heavy tamponade for vitreoretinal surgery 2013 , 54, 7284-92		10
89	Lutein enhances survival and reduces neuronal damage in a mouse model of ischemic stroke. <i>Neurobiology of Disease</i> , 2012 , 45, 624-32	7.5	66
88	Anti-inflammatory effects of lutein in retinal ischemic/hypoxic injury: in vivo and in vitro studies 2012 , 53, 5976-84		97
87	Primary 23-gauge sutureless vitrectomy for rhegmatogenous retinal detachment. <i>Indian Journal of Ophthalmology</i> , 2012 , 60, 29-33	1.6	13
86	Aldose reductase deficiency reduced vascular changes in neonatal mouse retina in oxygen-induced retinopathy 2012 , 53, 5698-712		29
85	Heavy silicone oil (densiron) and supine position in the management of massive suprachoroidal hemorrhage: use of heavy silicone for suprachoroidal hemorrhage. <i>Retinal Cases and Brief Reports</i> , 2012 , 6, 80-1	1.1	2
84	Lycium barbarum extracts protect the brain from blood-brain barrier disruption and cerebral edema in experimental stroke. <i>PLoS ONE</i> , 2012 , 7, e33596	3.7	58

83	Apoptosis and other cell death mechanisms after retinal detachment: implications for photoreceptor rescue. <i>Ophthalmologica</i> , 2011 , 226 Suppl 1, 10-7	3.7	67
82	Progenitors for the corneal endothelium and trabecular meshwork: a potential source for personalized stem cell therapy in corneal endothelial diseases and glaucoma. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 412743		61
81	Surgical failure following primary retinal detachment surgery by vitrectomy: risk factors and functional outcomes. <i>British Journal of Ophthalmology</i> , 2011 , 95, 1234-8	5.5	54
80	Lycium barbarum polysaccharides reduce neuronal damage, blood-retinal barrier disruption and oxidative stress in retinal ischemia/reperfusion injury. <i>PLoS ONE</i> , 2011 , 6, e16380	3.7	130
79	Outcomes of delayed vitrectomy in open-globe injuries in young patients. <i>Retina</i> , 2011 , 31, 1541-4	3.6	10
78	Choroidal evaluation using enhanced depth imaging spectral-domain optical coherence tomography in Vogt-Koyanagi-Harada disease. <i>Retina</i> , 2011 , 31, 502-9	3.6	192
77	Sub-macular surgery: is still an option for age-related macular degeneration?. <i>Current Drug Targets</i> , 2011 , 12, 190-8	3	2
76	Myopic macular hole: response. <i>Clinical and Experimental Ophthalmology</i> , 2011 , 39, 717-717	2.4	
75	Intravitreal ranibizumab, photodynamic therapy, and vitreous surgery for the treatment of juxtapapillary retinal capillary hemangioma. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 625-7	3.8	14
74	The impact of axial length on retinal tamponade for gas, silicone oil, and heavy silicone oil, using an in vitro model. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 671-5	3.8	9
73	Promises of stem cell therapy for retinal degenerative diseases. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 1439-48	3.8	31
72	Emulsification of silicone oil and eye movements 2011 , 52, 9721-7		34
71	The use of continuous silicone oil infusion as a peroperative tool to facilitate break localisation, vitreous base dissection and drainage of subretinal fluid. <i>Ophthalmologica</i> , 2011 , 226 Suppl 1, 53-7	3.7	3
70	Intravitreal bevacizumab for retinal vein occlusion and early growth of epiretinal membrane: a possible secondary effect?. <i>British Journal of Ophthalmology</i> , 2011 , 95, 391-5	5.5	14
69	Heavy silicone oil: a "novel" intraocular tamponade agent. <i>Optometry and Vision Science</i> , 2011 , 88, 772-5	2.1	7
68	Ahmed glaucoma valves in refractory glaucoma: a 7-year audit. <i>British Journal of Ophthalmology</i> , 2010 , 94, 1174-9	5.5	40
67	Simultaneous spectral domain OCT and fundus autofluorescence imaging of the macula and microperimetric correspondence after successful repair of rhegmatogenous retinal detachment. <i>British Journal of Ophthalmology</i> , 2010 , 94, 311-8	5.5	58
66	F4H5: a novel substance for the removal of silicone oil from intraocular lenses. <i>British Journal of Ophthalmology</i> , 2010 , 94, 364-7	5.5	12

65	Does the presence of an epiretinal membrane alter the cleavage plane during internal limiting membrane peeling?. <i>Ophthalmology</i> , 2010 , 117, 320-3.e1	7.3	46
64	Increasing the extensional viscosity of silicone oil reduces the tendency for emulsification. <i>Retina</i> , 2010 , 30, 300-4	3.6	46
63	Correspondence. <i>Retina</i> , 2010 , 30, 534-5; author reply 535-6	3.6	
62	Fibrous membranes in diabetic retinopathy and bevacizumab. <i>Retina</i> , 2010 , 30, 1012-6	3.6	11
61	Perception of tilt following counter-rotation surgery. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 284-91	2.4	
60	Double peel using triamcinolone acetonide and trypan blue in the management of myopic macular hole with retinal detachment: a case-control study. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 664-8	2.4	22
59	More severe type 2 diabetes-associated ischemic stroke injury is alleviated in aldose reductase-deficient mice. <i>Journal of Neuroscience Research</i> , 2010 , 88, 2026-34	4.4	23
58	Intraoperative fracture of phacoemulsification sleeve. <i>BMC Ophthalmology</i> , 2010 , 10, 29	2.3	1
57	The distribution, release kinetics, and biocompatibility of triamcinolone injected and dispersed in silicone oil 2009 , 50, 2337-43		20
56	Effect of lutein on retinal neurons and oxidative stress in a model of acute retinal ischemia/reperfusion 2009 , 50, 836-43		98
55	Ophthalmic Biomaterials 2009 , 327-347		1
54	To peel or not to peel the internal limiting membrane: a question finally answered?. <i>British Journal of Ophthalmology</i> , 2009 , 93, 987-8	5.5	1
53	Choroidal neovascularization secondary to Klebsiella pneumoniae endogenous abscess and endophthalmitis. <i>Clinical and Experimental Ophthalmology</i> , 2009 , 37, 239-40	2.4	3
52	Heavy silicone oil tamponade after failed macular hole surgery with perfluoropropane (C3F8): a report of five cases. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 707-9	3.8	16
51	Expression of hypoxia-inducible factor-1alpha and -2alpha in human choroidal neovascular membranes. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 1361-7	3.8	62
50	Post-varicella idiopathic intracranial hypertension in a child. <i>Journal of Paediatrics and Child Health</i> , 2009 , 45, 235-6	1.3	
49	Surgical management of massive submacular hemorrhage associated with age-related macular degeneration. <i>Retinal Cases and Brief Reports</i> , 2009 , 3, 391-4	1.1	1
48	Can an intraoperative bevacizumab injection prevent recurrent postvitrectomy diabetic vitreous hemorrhage?. <i>European Journal of Ophthalmology</i> , 2009 , 19, 618-21	1.9	28

47	Does the internal limiting membrane regenerate?. <i>Clinical and Experimental Ophthalmology</i> , 2008 , 36, 579-80	2.4	
46	SDF1-alpha is associated with VEGFR-2 in human choroidal neovascularisation. <i>Microvascular Research</i> , 2008 , 75, 302-7	3.7	28
45	Retinal redetachment after silicone oil removal in proliferative vitreoretinopathy: a prognostic factor analysis. <i>American Journal of Ophthalmology</i> , 2008 , 145, 527-533	4.9	39
44	Is it worth reoperating on macular holes?. <i>Ophthalmology</i> , 2008 , 115, 158-63	7.3	57
43	Second instrument tip breaks during phacoemulsification. <i>Canadian Journal of Ophthalmology</i> , 2008 , 43, 702-6	1.4	6
42	Avastin in myopic choroidal neovascularisation: is age the limit?. <i>British Journal of Ophthalmology</i> , 2008 , 92, 1011-2	5.5	8
41	Shear and Extensional Rheometry of PDMS Tamponade Agents Used in Vitreoretinal Surgery. <i>AIP Conference Proceedings</i> , 2008 ,	0	2
40	<i>Pseudomonas aeruginosa</i> choroidal abscess in a patient with bronchiectasis. <i>International Ophthalmology</i> , 2008 , 28, 287-90	2.2	4
39	Avoiding retinal slippage during macular translocation surgery with 360 retinotomy. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 649-51	3.8	11
38	Emulsification and inverted hypopyon formation of oxane HD in the anterior chamber. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 1633-5	3.8	18
37	The concept of heavy tamponades-chances and limitations. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 1217-24	3.8	37
36	Optical coherence tomography analysis of bilateral end-stage choroidal neovascularization where one eye is treated with photodynamic therapy. <i>Clinical and Experimental Ophthalmology</i> , 2007 , 35, 13-7	2.4	2
35	Surgical treatment of age-related macular degeneration: will there be a role in the future?. <i>Clinical and Experimental Ophthalmology</i> , 2007 , 35, 167-73	2.4	1
34	Treatment of exposed explants with donor sclera and amniotic membrane. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 915-6	3.8	1
33	Spontaneous progressive supra-choroidal haemorrhage in a patient undergoing haemodialysis. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 1741-2	3.8	9
32	Early vitrectomy for fundus-obscuring dense vitreous haemorrhage from presumptive retinal tears. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 301-4	3.8	14
31	Does the surface property of a disposable applanation tonometer account for its underestimation of intraocular pressure when compared with the Goldmann tonometer?. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 555-9	3.8	3
30	Transplantation in the treatment of age-related macular degeneration: past, present and future directions. <i>Expert Review of Ophthalmology</i> , 2007 , 2, 497-511	1.5	7

29	Double macular hole in vitreomacular traction syndrome. <i>Retina</i> , 2007 , 27, 648-50	3.6	5
28	Slippage of the Retina: What Causes It and How Can It Be Prevented? 2007 , 41-51		1
27	The presence of AC133-positive cells suggests a possible role of endothelial progenitor cells in the formation of choroidal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 1642-5		48
26	Can the sequential use of conventional silicone oil and heavy oil be a strategy for the management of proliferative vitreoretinopathy?. <i>Annals of the Academy of Medicine, Singapore</i> , 2006 , 35, 181-4	2.8	3
25	Management of traumatic posterior capsular rupture: corneal approach with high speed vitrector. <i>Journal of Cataract and Refractive Surgery</i> , 2005 , 31, 1666-8	2.3	10
24	The Tamponade Effect 2005 , 147-161		1
23	What pressure is exerted on the retina by heavy tamponade agents?. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2005 , 243, 474-7	3.8	19
22	Tamponade properties of double-filling with perfluorohexyloctane and silicone oil in a model eye chamber. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2004 , 242, 250-4	3.8	25
21	A randomized controlled trial of combined 5-fluorouracil and low-molecular-weight heparin in management of established proliferative vitreoretinopathy. <i>Ophthalmology</i> , 2004 , 111, 2240-5	7.3	112
20	Pseudophakic retinal detachment. <i>Survey of Ophthalmology</i> , 2003 , 48, 467-87	6.1	138
19	Trypan blue staining in vitreoretinal surgery. <i>Ophthalmology</i> , 2003 , 110, 2409-12	7.3	84
18	Measurement of cyclotorsion in a patient following macular translocation surgery using a modified version of the Watzke-Allen test. <i>Retina</i> , 2003 , 23, 250-2	3.6	
17	Use of perfluorohexyloctane as a long-term internal tamponade agent in complicated retinal detachment surgery. <i>American Journal of Ophthalmology</i> , 2002 , 133, 95-101	4.9	132
16	Rhegmatogenous retinal detachment after transscleral local resection of choroidal melanoma. <i>Ophthalmology</i> , 2002 , 109, 2137-43	7.3	35
15	Limited inferior macular translocation for the treatment of subfoveal choroidal neovascularization secondary to age-related macular degeneration. <i>American Journal of Ophthalmology</i> , 2001 , 132, 139	4.9	
14	Pupil block glaucoma in phakic and pseudophakic patients after vitrectomy with silicone oil injection. <i>American Journal of Ophthalmology</i> , 2001 , 132, 414-6	4.9	46
13	New surgical approach in the management of pseudophakic malignant glaucoma. <i>Ophthalmology</i> , 2001 , 108, 780-3	7.3	62
12	How to predict proliferative vitreoretinopathy: a prospective study. <i>Ophthalmology</i> , 2001 , 108, 1184-6	7.3	77

11	Adjuvant 5-fluorouracil and heparin prevents proliferative vitreoretinopathy : Results from a randomized, double-blind, controlled clinical trial. <i>Ophthalmology</i> , 2001 , 108, 1179-83	7.3	198
10	Determinants of visual outcome after pars plana vitrectomy for posteriorly dislocated lens fragments in phacoemulsification. <i>Journal of Cataract and Refractive Surgery</i> , 2001 , 27, 1199-206	2.3	36
9	Perfluorocarbons and semifluorinated alkanes. <i>Seminars in Ophthalmology</i> , 2000 , 15, 25-35	2.4	50
8	Challenges in ophthalmic pathology: the vitreoretinal membrane biopsy. <i>Eye</i> , 2000 , 14 (Pt 4), 549-59	4.4	51
7	The influence of explants on the physical efficiency of tamponade agents. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1999 , 237, 870-4	3.8	33
6	Exchange of perfluorodecalin for gas or oil: a model for avoiding slippage 1998 , 236, 234-7		30
5	Local anaesthesia for vitreoretinal surgery: a case-control study of 200 cases. <i>Eye</i> , 1998 , 12 (Pt 3a), 407-11	14	20
4	Non-vascular vitreoretinopathy: the cells and the cellular basis of contraction. <i>Eye</i> , 1996 , 10 (Pt 6), 671-8	44	29
3	Adherence of silicone oil to intraocular lenses. <i>Eye</i> , 1995 , 9 (Pt 4), 539	4.4	1
2	Orbital neurofibromatosis presenting as pulsating enophthalmos. <i>Orbit</i> , 1994 , 13, 191-193	1.5	
1	Pseudophakic retinal detachment. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1991 , 229, 521-5	3.8	33