

# Jonathan S Chang

## List of Publications by Year in descending order

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86  
papers

1,537  
citations

361413

20  
h-index

345221

36  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2138  
citing authors

#	ARTICLE	IF	CITATIONS
1	LXII Edward Jackson Lecture: Open Angle Glaucoma After Vitrectomy. American Journal of Ophthalmology, 2006, 141, 1033-1043.e1.	3.3	185
2	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. Nature Genetics, 2015, 47, 757-765.	21.4	183
3	The Physician Payments Sunshine Act. Ophthalmology, 2015, 122, 656-661.	5.2	53
4	Design and Theoretical Evaluation of Micro-Surgical Manipulators for Orbital Manipulation and Intraocular Dexterity. Proceedings - IEEE International Conference on Robotics and Automation, 2007, ..	0.0	52
5	Performance Evaluation for Multi-arm Manipulation of Hollow Suspended Organs. IEEE Transactions on Robotics, 2009, 25, 147-157.	10.3	52
6	VITRECTOMY FOR MACULAR DISORDERS ASSOCIATED WITH LAMELLAR MACULAR HOLE EPIRETINAL PROLIFERATION. Retina, 2018, 38, 664-669.	1.7	52
7	Double Peeling During Vitrectomy for Macular Pucker. JAMA Ophthalmology, 2013, 131, 525.	2.5	49
8	Cost-Effectiveness of Retinal Detachment Repair. Ophthalmology, 2014, 121, 946-951.	5.2	49
9	Cost Evaluation of Panretinal Photocoagulation versus Intravitreal Ranibizumab for Proliferative Diabetic Retinopathy. Ophthalmology, 2016, 123, 1912-1918.	5.2	44
10	Optical Coherence Tomography Angiography and Ultra-widefield Fluorescein Angiography for Early Detection of Adolescent Sickle Retinopathy. American Journal of Ophthalmology, 2017, 183, 91-98.	3.3	43
11	Comparative <i>In Vitro</i> Susceptibility of Besifloxacin and Seven Comparators Against Ciprofloxacin- and Methicillin-Susceptible/Nonsusceptible Staphylococci. Journal of Ocular Pharmacology and Therapeutics, 2013, 29, 339-344.	1.4	38
12	Cost Evaluation of Surgical and Pharmaceutical Options in Treatment for Vitreomacular Adhesions and Macular Holes. Ophthalmology, 2014, 121, 1720-1726.	5.2	37
13	β <sub>2</sub> -Adrenergic Stimulation Attenuates Left Ventricular Remodeling, Decreases Apoptosis, and Improves Calcium Homeostasis in a Rodent Model of Ischemic Cardiomyopathy. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 553-561.	2.5	34
14	Frequency of Urgent or Emergent Vitreoretinal Surgical Procedures in the United States During the COVID-19 Pandemic. JAMA Ophthalmology, 2021, 139, 456.	2.5	33
15	An integrated planar magnetic micropump. Microelectronic Engineering, 2014, 117, 35-40.	2.4	32
16	CONTROVERSIES REGARDING INTERNAL LIMITING MEMBRANE PEELING IN IDIOPATHIC EPIRETINAL MEMBRANE AND MACULAR HOLE. Retina, 2012, 32, S200-S204.	1.7	32
17	Cost Evaluation of Early Vitrectomy versus Panretinal Photocoagulation and Intravitreal Ranibizumab for Proliferative Diabetic Retinopathy. Ophthalmology, 2018, 125, 1393-1400.	5.2	31
18	Enabling Technology for Microvascular Stenting in Ophthalmic Surgery. Journal of Medical Devices, Transactions of the ASME, 2010, 4, .	0.7	27

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19	Intraretinal Correlates of Reticular Pseudodrusen Revealed by Autofluorescence and En Face OCT. , 2017, 58, 4769.		26
20	Face Masks and Bacterial Dispersion Toward the Periocular Area. <i>Ophthalmology</i> , 2021, 128, 1236-1238.	5.2	22
21	Radius of curvature changes in spontaneous improvement of foveoschisis in highly myopic eyes. <i>British Journal of Ophthalmology</i> , 2016, 100, 222-226.	3.9	21
22	Management of Complications and Vision Loss from Proliferative Diabetic Retinopathy. <i>Current Diabetes Reports</i> , 2021, 21, 33.	4.2	21
23	<i>Stenotrophomonas maltophilia</i> endophthalmitis following cataract surgery: clinical and microbiological results. <i>Clinical Ophthalmology</i> , 2013, 7, 771.	1.8	20
24	<i>Candida glabrata</i> Endophthalmitis Transmitted From Graft to Host After Descemet Stripping Automated Endothelial Keratoplasty. <i>JAMA Ophthalmology</i> , 2014, 132, 1381.	2.5	20
25	Open Payments Database: Anti-vascular Endothelial Growth Factor Agent Payments to Ophthalmologists. <i>American Journal of Ophthalmology</i> , 2017, 173, 91-97.	3.3	19
26	Treatment of Macular Degeneration with Sildenafil: Results of a Two-Year Trial. <i>Ophthalmologica</i> , 2018, 240, 45-54.	1.9	19
27	DIFFERENCES IN REFRACTIVE OUTCOMES BETWEEN PHACOEMULSIFICATION FOR CATARACT ALONE AND COMBINED PHACOEMULSIFICATION AND VITRECTOMY FOR EPIRETINAL MEMBRANE. <i>Retina</i> , 2019, 39, 1410-1415.	1.7	18
28	Ophthalmology Patient Perceptions of Open Payments Information. <i>JAMA Ophthalmology</i> , 2018, 136, 1375.	2.5	17
29	Multi-platform imaging in ABCA4-Associated Disease. <i>Scientific Reports</i> , 2019, 9, 6436.	3.3	17
30	Functional Analysis of Retinal Flecks in Stargardt Disease. <i>Journal of Clinical &amp; Experimental Ophthalmology</i> , 2012, 03, .	0.1	17
31	Retinal Damage in Chloroquine Maculopathy, Revealed by High Resolution Imaging: A Case Report Utilizing Adaptive Optics Scanning Laser Ophthalmoscopy. <i>Korean Journal of Ophthalmology: KJO</i> , 2014, 28, 100.	1.1	16
32	Cost-Utility of Evaluation for Posterior Vitreous Detachment and Prophylaxis of Retinal Detachment. <i>Ophthalmology</i> , 2018, 125, 43-50.	5.2	16
33	Scleral Buckling in the Treatment of Retinal Detachment Due to Retinal Dialysis. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2016, 47, 336-340.	0.7	15
34	Schisis of the Retinal Nerve Fiber Layer in Epiretinal Membranes. <i>American Journal of Ophthalmology</i> , 2019, 207, 304-312.	3.3	15
35	Familial Exudative Vitreoretinopathy in a Premature Child. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2013, 44, 603-605.	0.7	15
36	Impure Perfluorocarbon Liquids. <i>Retina</i> , 2017, 37, 1019-1020.	1.7	11

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37	Comparison of United States and International Ophthalmic Drug Pricing. <i>Ophthalmology</i> , 2019, 126, 1358-1365.	5.2	11
38	SEROUS RETINOPATHY ASSOCIATED WITH CISPLATIN TREATMENT. <i>Retinal Cases and Brief Reports</i> , 2019, 13, 211-214.	0.6	11
39	Prospective Impact of Sildenafil on Chronic cEntral Serous Chorioretinopathy. <i>Ophthalmology Retina</i> , 2020, 4, 1119-1123.	2.4	11
40	Pars plana vitrectomy in patients with myopic macular retinoschisis. <i>British Journal of Ophthalmology</i> , 2014, 98, 534-537.	3.9	10
41	Optical coherence tomography imaging of chorioretinal folds associated with hypotony maculopathy following pars plana vitrectomy. <i>International Medical Case Reports Journal</i> , 2015, 8, 199.	0.8	10
42	Marfanâ€™s Syndrome with Ectopia Lentis. <i>New England Journal of Medicine</i> , 2017, 377, 1076-1076.	27.0	9
43	Clinical course of acute zonal occult outer retinopathy complicated by choroidal neovascularization. <i>International Journal of Retina and Vitreous</i> , 2018, 4, 32.	1.9	9
44	Generation of two iPSC cell lines (FRIMOi003-A and FRIMOi004-A) derived from Stargardt patients carrying ABCA4 compound heterozygous mutations. <i>Stem Cell Research</i> , 2019, 36, 101389.	0.7	9
45	Optic nerve tortuosity and displacements during horizontal eye movements in healthy and highly myopic subjects. <i>British Journal of Ophthalmology</i> , 2022, 106, 1596-1602.	3.9	9
46	Long-term Effects of B-type Natriuretic Peptide Infusion After Acute Myocardial Infarction in a Rat Model. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 55, 14-20.	1.9	8
47	Aflibercept antiâ€vascular endothelial growth factor therapy in vitrectomized eyes with neovascular ageâ€related macular degeneration. <i>Acta Ophthalmologica</i> , 2016, 94, e249-50.	1.1	8
48	Late-onset pattern macular dystrophy mimicking <i>ABCA4</i> and <i>PRPH2</i> disease is caused by a homozygous frameshift mutation in <i>ROM1</i> . <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a003624.	1.2	8
49	Central Serous Chorioretinopathy Analyzed by Multimodal Imaging. <i>Translational Vision Science and Technology</i> , 2021, 10, 15.	2.2	8
50	Vitrectomy for macular hole following Nd:YAG laser injury. <i>Taiwan Journal of Ophthalmology</i> , 2016, 6, 195-198.	0.7	6
51	Ghost Cell Glaucoma Following Sutureless Scleral-Fixated Posterior Chamber Intraocular Lens Placement. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2015, 46, 111-113.	0.7	6
52	Shared Features in Retinal Disorders With Involvement of Retinal Pigment Epithelium. , 2021, 62, 15.		5
53	PROPHYLACTIC PREOPERATIVE LASER RETINOPEXY DOES NOT REDUCE THE OCCURRENCE OF RHEGMATOGENOUS RETINAL COMPLICATIONS IN MACULAR SURGERY. <i>Retina</i> , 2018, 38, 1707-1712.	1.7	4
54	Establishment and characterization of an iPSC line (FRIMOi001-A) derived from a retinitis pigmentosa patient carrying PDE6A mutations. <i>Stem Cell Research</i> , 2019, 35, 101385.	0.7	4

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55	Generation of an induced pluripotent stem cell line (FRIMOi002-A) from a retinitis pigmentosa patient carrying compound heterozygous mutations in USH2A gene. <i>Stem Cell Research</i> , 2019, 35, 101386.	0.7	4
56	Spontaneous Anatomical and Visual Improvement in Myopic Macular Retinoschisis. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2013, 44, 499-501.	0.7	4
57	Delayed sclerotomy wound dehiscence after lensectomy and vitrectomy in Marfan syndrome. <i>Oman Journal of Ophthalmology</i> , 2015, 8, 198.	0.3	4
58	Impact of Coronavirus Disease 2019 Restrictions on Retinal Detachment: A Multicenter Experience. <i>Ophthalmology Retina</i> , 2022, 6, 638-641.	2.4	4
59	Peripheral corneal ring due to hypercarotenaemia in a case of nutritional supplement abuse. <i>British Journal of Ophthalmology</i> , 2012, 96, 605-605.	3.9	3
60	Cost Evaluation of Laser versus Intravitreal Aflibercept for Proliferative Diabetic Retinopathy. <i>Ophthalmology</i> , 2018, 125, 1121-1122.	5.2	3
61	Early Diagnosis and Management of Aggressive Posterior Vitreoretinopathy Presenting in Premature Neonates. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2019, 50, 201-207.	0.7	3
62	Outcomes of four-point suture fixated and two-point sutureless posterior chamber IOLs combined with pars plana vitrectomy. <i>BMC Ophthalmology</i> , 2022, 22, 57.	1.4	3
63	Management of Suprachoroidal 5,000-Centistoke Silicone Oil: Two Contrasting Approaches. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2013, 44, 610-612.	0.7	2
64	AIMING FOR THE BULL'S EYE. <i>Retina</i> , 2016, 36, 1958-1963.	1.7	2
65	SURGICAL TREATMENT OF A MACULAR HOLE IN X-LINKED RETINOSCHISIS. <i>Retinal Cases and Brief Reports</i> , 2017, 11, 246-248.	0.6	2
66	In Situ Tremor in Vitreoretinal Surgery. <i>Human Factors</i> , 2021, 63, 1169-1181.	3.5	2
67	Alcohol Pads and Nonsterile Gloves in Preparation of Aflibercept. <i>Ophthalmology Retina</i> , 2020, 4, 853-854.	2.4	1
68	Analysis of SARS-CoV-2 RNA on surfaces in New York City. <i>Journal of Global Health</i> , 2021, 11, 05022.	2.7	1
69	The Spectrum of Pediatric Orbital BB Gun Injuries: A Case Series. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2015, 52, e59-62.	0.7	1
70	Ocular Syphilis: Clinical Manifestations and Treatment Course. <i>Wisconsin Medical Journal</i> , 2019, 118, 191-195.	0.3	1
71	More Than Just Multiple Sclerosis. <i>JAMA Ophthalmology</i> , 2014, 132, 885.	2.5	0
72	Author reply. <i>Ophthalmology</i> , 2015, 122, e29-e30.	5.2	0

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73	Spontaneous Separation of Macular Epiretinal Membrane Without Peripheral Posterior Vitreous Detachment. <i>Journal of Vitreoretinal Diseases</i> , 2017, , 247412641771738.	0.7	0
74	Eye drop safety seal causing ocular irritation following cataract and vitrectomy surgery. <i>Canadian Journal of Ophthalmology</i> , 2017, 52, e167-e169.	0.7	0
75	Ciliary Body Myxoma in a 20-Year-Old Woman. <i>JAMA Ophthalmology</i> , 2019, 137, 464.	2.5	0
76	Influence of Baseline Macular Edema on Cost Evaluation of Panretinal Photocoagulation vs Intravitreal Ranibizumab for Proliferative Diabetic Retinopathy. <i>Journal of Vitreoretinal Diseases</i> , 2019, 3, 346-353.	0.7	0
77	Reply. <i>Ophthalmology</i> , 2019, 126, e95.	5.2	0
78	Vitrectomy With Sequential Internal Limiting Membrane Peeling and Flap Formation in Closure of a Large, Traumatic Macular Hole. <i>Journal of Vitreoretinal Diseases</i> , 2021, 5, 77-80.	0.7	0
79	Central Retinal Thickness and Visual Acuity Outcomes After Vitrectomy for Epiretinal Membrane With and Without Internal Limiting Membrane Peel. <i>Journal of Vitreoretinal Diseases</i> , 0, , 247412642110095.	0.7	0
80	Correspondence. <i>Ophthalmology Retina</i> , 2021, 5, e7-e8.	2.4	0
81	Split Down the Middle of the Fovea. <i>JAMA Ophthalmology</i> , 2021, 139, 1037.	2.5	0
82	Neovascular AMD With Marked Macular Fluid and Rapid Response to Anti-VEGF Therapy. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014, 45, 175-178.	0.7	0
83	Case Series of Pediatric Sickle Retinopathy By Sensitive Clinical Imaging Technologies Suggests Frequent Early Pathology. <i>Blood</i> , 2016, 128, 3672-3672.	1.4	0
84	Structureâ€“function analysis for macular surgery in patients with coexisting glaucoma. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, , 1.	1.9	0
85	CORRESPONDENCE. <i>Retina</i> , 2022, Publish Ahead of Print, .	1.7	0
86	Nonsurgical Resolution of Full Thickness Macular Holes without Vitreomacular Traction. <i>Retinal Cases and Brief Reports</i> , 2022, Publish Ahead of Print, .	0.6	0