

Yu-Chi Liu

List of Publications by Year in descending order

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94
papers

2,204
citations

304701

22
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289230

40
g-index

95
all docs

95
docs citations

95
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Cataracts. Lancet, The, 2017, 390, 600-612.	13.7	580
2	Regulatory Compliant Tissue-Engineered Human Corneal Endothelial Grafts Restore Corneal Function of Rabbits with Bullous Keratopathy. Scientific Reports, 2017, 7, 14149.	3.3	68
3	Decellularization of human stromal refractive lenticules for corneal tissue engineering. Scientific Reports, 2016, 6, 26339.	3.3	66
4	Applications of Anterior Segment Optical Coherence Tomography in Cornea and Ocular Surface Diseases. Journal of Ophthalmology, 2016, 2016, 1-9.	1.3	60
5	Comparative Study of nJ- and 1/4J-Energy Level Femtosecond Lasers: Evaluation of Flap Adhesion Strength, Stromal Bed Quality, and Tissue Responses. , 2014, 55, 3186.		59
6	Enhancement after Small-Incision Lenticule Extraction. Ophthalmology, 2017, 124, 813-821.	5.2	59
7	Power Vector Analysis of Refractive, Corneal, and Internal Astigmatism in an Elderly Chinese Population: The Shihpai Eye Study. , 2011, 52, 9651.		58
8	Intraocular lens as a drug delivery reservoir. Current Opinion in Ophthalmology, 2013, 24, 53-59.	2.9	49
9	Early Corneal Wound Healing and Inflammatory Responses After SMILE: Comparison of the Effects of Different Refractive Corrections and Surgical Experiences. Journal of Refractive Surgery, 2016, 32, 346-353.	2.3	45
10	Stromal keratophakia: Corneal inlay implantation. Progress in Retinal and Eye Research, 2020, 75, 100780.	15.5	44
11	Intraoperative Optical Coherence Tomographyâ€“Guided Femtosecond Laserâ€“Assisted Deep Anterior Lamellar Keratoplasty. Cornea, 2019, 38, 648-653.	1.7	43
12	Diabetic Corneal Neuropathy. Journal of Clinical Medicine, 2020, 9, 3956.	2.4	42
13	Biological corneal inlay for presbyopia derived from small incision lenticule extraction (SMILE). Scientific Reports, 2018, 8, 1831.	3.3	39
14	ITF2357 transactivates Id3 and regulate TGFÎ²/BMP7 signaling pathways to attenuate corneal fibrosis. Scientific Reports, 2016, 6, 20841.	3.3	34
15	Cross-sectional Study on Corneal Denervation in Contralateral Eyes Following SMILE Versus LASIK. Journal of Refractive Surgery, 2020, 36, 653-660.	2.3	34
16	Changes in aqueous oxidative stress, prostaglandins, and cytokines: Comparisons of low-energy femtosecond laserâ€“assisted cataract surgery versus conventional phacoemulsification. Journal of Cataract and Refractive Surgery, 2019, 45, 196-203.	1.5	32
17	Wound healing profiles of hyperopic-small incision lenticule extraction (SMILE). Scientific Reports, 2016, 6, 29802.	3.3	31
18	Endothelial Approach Ultrathin Corneal Grafts Prepared by Femtosecond Laser for Descemet Stripping Endothelial Keratoplasty. Investigative Ophthalmology and Visual Science, 2014, 55, 8393-8401.	3.3	28

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19	Adaptive DE-based reversible steganographic technique using bilinear interpolation and simplified location map. <i>Multimedia Tools and Applications</i> , 2011, 52, 263-276.	3.9	26
20	Use of Anterior Segment Optical Coherence Tomography to Predict Corneal Graft Rejection in Small Animal Models. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 6736-6741.	3.3	26
21	Hyperopic refractive correction by LASIK, SMILE or lenticule reimplantation in a non-human primate model. <i>PLoS ONE</i> , 2018, 13, e0194209.	2.5	26
22	New Instruments for Lenticule Extraction in Small Incision Lenticule Extraction (SMILE). <i>PLoS ONE</i> , 2014, 9, e113774.	2.5	25
23	Differential epithelial and stromal protein profiles in cone and non-cone regions of keratoconus corneas. <i>Scientific Reports</i> , 2019, 9, 2965.	3.3	25
24	Femtosecond laser-assisted conjunctival autograft preparation for pterygium surgery. <i>Ocular Surface</i> , 2017, 15, 211-217.	4.4	24
25	Meibomian gland dysfunction is the primary determinant of dry eye symptoms: Analysis of 2346 patients. <i>Ocular Surface</i> , 2020, 18, 604-612.	4.4	23
26	Objective Imaging Diagnostics for Dry Eye Disease. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-11.	1.3	23
27	Comparison of tear proteomic and neuromediator profiles changes between small incision lenticule extraction (SMILE) and femtosecond laser-assisted in-situ keratomileusis (LASIK). <i>Journal of Advanced Research</i> , 2021, 29, 67-81.	9.5	23
28	Corneal neuromediator profiles following laser refractive surgery. <i>Neural Regeneration Research</i> , 2021, 16, 2177.	3.0	22
29	Diabetic corneal neuropathy as a surrogate marker for diabetic peripheral neuropathy. <i>Neural Regeneration Research</i> , 2022, 17, 2172.	3.0	22
30	Validation of the Use of Automated and Manual Quantitative Analysis of Corneal Nerve Plexus Following Refractive Surgery. <i>Diagnostics</i> , 2020, 10, 493.	2.6	21
31	Nanotechnology for the Treatment of Allergic Conjunctival Diseases. <i>Pharmaceuticals</i> , 2020, 13, 351.	3.8	21
32	Analysis of corneal nerve plexus in corneal confocal microscopy images. <i>Neural Regeneration Research</i> , 2021, 16, 690.	3.0	21
33	Femtosecond Laser Assisted Pterygium Surgery. <i>Cornea</i> , 2017, 36, 889-892.	1.7	20
34	Reshaping and Customization of SMILE-Derived Biological Lenticules for Intrastromal Implantation. , 2018, 59, 2555.		20
35	Optical Coherence Tomography Angiography for Evaluation of Reperfusion After Pterygium Surgery. <i>American Journal of Ophthalmology</i> , 2019, 207, 151-158.	3.3	20
36	Corneal lenticule storage before reimplantation. <i>Molecular Vision</i> , 2017, 23, 753-764.	1.1	20

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37	Optimization of Subconjunctival Biodegradable Microfilms for Sustained Drug Delivery to the Anterior Segment in a Small Animal Model. , 2013, 54, 2607.		19
38	A Biodegradable, Sustained-Released, Prednisolone Acetate Microfilm Drug Delivery System Effectively Prolongs Corneal Allograft Survival in the Rat Keratoplasty Model. PLoS ONE, 2013, 8, e70419.	2.5	18
39	“Seeing but not identifying” pure alexia coincident with prosopagnosia in occipital arteriovenous malformation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1087-1089.	1.9	16
40	Higher-Order-Aberrations Following Hyperopia Treatment: Small Incision Lenticule Extraction, Laser-Assisted In Situ Keratomileusis and Lenticule Implantation. Translational Vision Science and Technology, 2018, 7, 15.	2.2	15
41	A Biodegradable, Sustained-Released, Tacrolimus Microfilm Drug Delivery System for the Management of Allergic Conjunctivitis in a Mouse Model. , 2018, 59, 675.		15
42	Urea-De-Epithelialized Human Amniotic Membrane for Ocular Surface Reconstruction. Stem Cells Translational Medicine, 2019, 8, 620-626.	3.3	15
43	Application of Femtosecond Laser in Anterior Segment Surgery. Journal of Ophthalmology, 2020, 2020, 1-12.	1.3	15
44	Risk Factors for Donor Endothelial Loss in Eye Bank-Prepared Posterior Lamellar Corneal Tissue for Descemet Stripping Automated Endothelial Keratoplasty. Cornea, 2014, 33, 677-682.	1.7	14
45	Corneal Stability of LASIK and SMILE When Combined With Collagen Cross-Linking. Translational Vision Science and Technology, 2019, 8, 21.	2.2	14
46	Randomized Controlled Trial Comparing 1-Year Outcomes of Low-Energy Femtosecond Laser-Assisted Cataract Surgery versus Conventional Phacoemulsification. Frontiers in Medicine, 2021, 8, 811093.	2.6	12
47	Repeatability and Reproducibility of Corneal Biometric Measurements Using the Visante Omni and a Rabbit Experimental Model of Post-Surgical Corneal Ectasia. Translational Vision Science and Technology, 2015, 4, 16.	2.2	11
48	Early wound healing and refractive response of different pocket configurations following presbyopic inlay implantation. PLoS ONE, 2017, 12, e0172014.	2.5	11
49	Retreatment strategies following Small Incision Lenticule Extraction (SMILE): In vivo tissue responses. PLoS ONE, 2017, 12, e0180941.	2.5	11
50	Corneal remodelling and topography following biological inlay implantation with combined crosslinking in a rabbit model. Scientific Reports, 2019, 9, 4479.	3.3	11
51	Femtosecond Laser-assisted Preparation of Conjunctival Autograft for Pterygium Surgery. Scientific Reports, 2020, 10, 2674.	3.3	11
52	In Vivo Confocal Microscopy Evaluation in Patients with Keratoconus. Journal of Clinical Medicine, 2022, 11, 393.	2.4	11
53	Effect of Intraoperative Corneal Stromal Pocket Irrigation in Small Incision Lenticule Extraction. BioMed Research International, 2015, 2015, 1-9.	1.9	10
54	Ex vivo sensing and imaging of corneal scar tissues using terahertz time domain spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119667.	3.9	10

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55	Tear Neuromediator and Corneal Denervation Following SMILE. Journal of Refractive Surgery, 2021, 37, 516-523.	2.3	10
56	Descemet stripping automated endothelial keratoplasty with the EndoGlide Ultrathin graft insertion device. Expert Review of Medical Devices, 2014, 11, 573-579.	2.8	9
57	Application of Novel Drugs for Corneal Cell Regeneration. Journal of Ophthalmology, 2018, 2018, 1-9.	1.3	9
58	Three-Dimensional Neurite Characterization of Small Incision Lenticule Extraction Derived Lenticules. , 2019, 60, 4408.		9
59	Mediators of Corneal Haze Following Implantation of Presbyopic Corneal Inlays. , 2019, 60, 868.		9
60	Advances and Clinical Applications of Anterior Segment Imaging Techniques. Journal of Ophthalmology, 2016, 2016, 1-2.	1.3	8
61	SARS-CoV-2 infection in conjunctival tissue. Lancet Respiratory Medicine, the, 2020, 8, e57.	10.7	8
62	Mortality from uveal melanoma treated by enucleation - a 16-year survey in Taiwan. Acta Ophthalmologica, 2013, 91, e583-e584.	1.1	6
63	Wound Healing After ReLExÂ® Surgery. , 2015, , 13-25.		6
64	Evaluation of a Sustained-Release Prednisolone Acetate Biodegradable Subconjunctival Implant in a Non-Human Primate Model. Translational Vision Science and Technology, 2017, 6, 9.	2.2	6
65	Excision of conjunctival melanosis and conjunctival autografting by femtosecond laser. Clinical and Experimental Ophthalmology, 2018, 46, 432-434.	2.6	6
66	In vivo sensing of rabbit cornea by terahertz technology. Journal of Biophotonics, 2021, 14, e202100130.	2.3	6
67	Clinical Applications of In Vivo Confocal Microscopy in Keratorefractive Surgery. Journal of Refractive Surgery, 2021, 37, 493-503.	2.3	6
68	Automatic segmentation of corneal deposits from corneal stromal dystrophy images via deep learning. Computers in Biology and Medicine, 2021, 137, 104675.	7.0	6
69	Safety profiles of terahertz scanning in ophthalmology. Scientific Reports, 2021, 11, 2448.	3.3	6
70	In Vivo Confocal Microscopy in Different Types of Dry Eye and Meibomian Gland Dysfunction. Journal of Clinical Medicine, 2022, 11, 2349.	2.4	6
71	Intravitreal Injection of Bevacizumab for the Treatment of Choroidal Neovascularization in a Patient with Angioid Streaks. Journal of the Chinese Medical Association, 2009, 72, 98-102.	1.4	5
72	Long-term outcomes of hemiautomated lamellar keratoplasty. Clinical and Experimental Ophthalmology, 2018, 46, 1017-1027.	2.6	5

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73	A Block-Based Authentication Watermarking Technique for Binary Images. , 2008, , .		4
74	Possible Mechanism of Betel-quid-extract-induced Expression of Matrix Metalloproteinase-2. Journal of the Formosan Medical Association, 2010, 109, 838-847.	1.7	4
75	Surgical instruments for small incision lenticule extraction (SMILE). Expert Review of Ophthalmology, 2016, 11, 171-172.	0.6	4
76	Proposal and validation of a new grading system for pterygium (SLIT2). British Journal of Ophthalmology, 2021, 105, 921-924.	3.9	4
77	Evaluation of femtosecond laser-assisted anterior capsulotomy in the presence of ophthalmic viscoelastic devices (OVDs). Scientific Reports, 2020, 10, 21542.	3.3	4
78	Advances in Imaging Technology of Anterior Segment of the Eye. Journal of Ophthalmology, 2021, 2021, 1-9.	1.3	4
79	Cosmetic outcome of femtosecond laser-assisted pterygium surgery. Eye and Vision (London, England), 2021, 8, 7.	3.0	4
80	Intraoperative Optical Coherence Tomography Vault Measurement in Posterior Chamber Phakic Intraocular Lens Implantation. Journal of Refractive Surgery, 2017, 33, 274-277.	2.3	4
81	Femtosecond laser-assisted corneal transplantation with a low-energy, liquid-interface system. Scientific Reports, 2022, 12, 6959.	3.3	4
82	Recurrent acute angle-closure attacks in age-related macular degeneration-associated massive posterior segment hemorrhage. Japanese Journal of Ophthalmology, 2009, 53, 190-191.	1.9	3
83	Corneal Tissue Engineering: From Bench to Clinic. Journal of Ophthalmology, 2018, 2018, 1-1.	1.3	3
84	Kinetics of Tear Fluid Proteins after Endothelial Keratoplasty and Predictive Factors for Recovery from Corneal Haze. Journal of Clinical Medicine, 2020, 9, 63.	2.4	3
85	Efficacy of Modified Amnion-Assisted Conjunctival Epithelial Redirection (ACER) for Partial Limbal Stem Cell Deficiency. Medicina (Lithuania), 2021, 57, 369.	2.0	3
86	Evaluation of Corneal Oedema “ Tools we Have and Those Under Investigation. European Ophthalmic Review, 2019, 13, 76.	0.3	3
87	Application of Intraoperative Optical Coherence Tomography Technology in Anterior Segment Surgery. Journal of Ophthalmology, 2022, 2022, 1-8.	1.3	3
88	Tissue Responses and Wound Healing following Laser Scleral Microporation for Presbyopia Therapy. Translational Vision Science and Technology, 2020, 9, 6.	2.2	2
89	Femtosecond laser-assisted excision of conjunctival melanocytic lesions: Cosmetic and long-term outcomes. Clinical and Experimental Ophthalmology, 2021, 49, 312-315.	2.6	2
90	Conjunctival sparing femtosecond laser-assisted conjunctival autografts for double-headed pterygium surgery. Clinical and Experimental Ophthalmology, 2020, 48, 1115-1118.	2.6	1

#	ARTICLE	IF	CITATIONS
91	The effects of laser displacement on femtosecond laser-assisted conjunctival autograft preparation for pterygium surgery. PLoS ONE, 2021, 16, e0245223.	2.5	1
92	Reply. Ophthalmology, 2017, 124, e84-e85.	5.2	0
93	Advances and Clinical Applications of Anterior Segment Imaging Techniques 2020. Journal of Ophthalmology, 2021, 2021, 1-2.	1.3	0
94	Femtosecond Laser in Anterior Segment Surgery. Journal of Ophthalmology, 2021, 2021, 1-2.	1.3	0