

Luca Agnifili

List of Publications by Year in descending order

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88
papers

2,423
citations

185998

28
h-index

243296

44
g-index

89
all docs

89
docs citations

89
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond Laser Arcuate Keratotomy for the Correction of High Astigmatism after Keratoplasty. <i>Ophthalmology</i> , 2009, 116, 1083-1092.	2.5	128
2	Circadian intraocular pressure patterns in healthy subjects, primary open angle and normal tension glaucoma patients with a contact lens sensor. <i>Acta Ophthalmologica</i> , 2015, 93, e14-21.	0.6	112
3	Steroid-induced glaucoma: Epidemiology, pathophysiology, and clinical management. <i>Survey of Ophthalmology</i> , 2020, 65, 458-472.	1.7	106
4	Filtering Bleb Functionality: A Clinical, Anterior Segment Optical Coherence Tomography and In Vivo Confocal Microscopy Study. <i>Journal of Glaucoma</i> , 2008, 17, 308-317.	0.8	87
5	Optical Coherence Tomography Angiography in Retinal Vascular Diseases and Choroidal Neovascularization. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-8.	0.6	86
6	Shotgun proteomics reveals specific modulated protein patterns in tears of patients with primary open angle glaucoma naïve to therapy. <i>Molecular BioSystems</i> , 2013, 9, 1108.	2.9	79
7	Differential protein expression in tears of patients with primary open angle and pseudoexfoliative glaucoma. <i>Molecular BioSystems</i> , 2012, 8, 1017-1028.	2.9	67
8	In vivo confocal microscopy of meibomian glands in glaucoma. <i>British Journal of Ophthalmology</i> , 2013, 97, 343-349.	2.1	62
9	Conjunctival modifications induced by medical and surgical therapies in patients with glaucoma. <i>Current Opinion in Pharmacology</i> , 2013, 13, 56-64.	1.7	56
10	Multi-Omics Approach for Studying Tears in Treatment-Naïve Glaucoma Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4029.	1.8	55
11	Exploring Serum Levels of Brain Derived Neurotrophic Factor and Nerve Growth Factor Across Glaucoma Stages. <i>PLoS ONE</i> , 2017, 12, e0168565.	1.1	50
12	Integrated Lipidomics and Metabolomics Analysis of Tears in Multiple Sclerosis: An Insight into Diagnostic Potential of Lacrimal Fluid. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1265.	1.8	50
13	Conjunctival goblet cells density and preservative-free tafluprost therapy for glaucoma: an <i>in vivo</i> confocal microscopy and impression cytology study. <i>Acta Ophthalmologica</i> , 2013, 91, e397-405.	0.6	49
14	Morphological Modification of the Cornea After Standard and Transepithelial Corneal Cross-linking as Imaged by Anterior Segment Optical Coherence Tomography and Laser Scanning In Vivo Confocal Microscopy. <i>Cornea</i> , 2013, 32, 855-861.	0.9	49
15	Systemic thromboembolic adverse events in patients treated with intravitreal anti-VEGF drugs for neovascular age-related macular degeneration. <i>Expert Opinion on Biological Therapy</i> , 2012, 12, 1299-1313.	1.4	48
16	Histological findings of failed gold micro shunts in primary open-angle glaucoma. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 143-149.	1.0	46
17	<i>In Vivo</i> Laser Scanning Confocal Microscopy of the Ocular Surface in Glaucoma. <i>Microscopy and Microanalysis</i> , 2014, 20, 879-894.	0.2	45
18	Uveo-scleral outflow pathways after ultrasonic cyclocoagulation in refractory glaucoma: an anterior segment optical coherence tomography and <i>in vivo</i> confocal study. <i>British Journal of Ophthalmology</i> , 2016, 100, 1668-1675.	2.1	45

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19	Anterior Segment Optical Coherence Tomography Imaging of Conjunctival Filtering Blebs after Glaucoma Surgery. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	43
20	In Vivo Distribution of Corneal Epithelial Dendritic Cells in Patients With Glaucoma. , 2016, 57, 5996.		43
21	Conjunctival Modifications in Ocular Hypertension and Primary Open Angle Glaucoma: An In Vivo Confocal Microscopy Study. , 2008, 49, 3042.		41
22	In vivo analysis of conjunctiva in canaloplasty for glaucoma. <i>British Journal of Ophthalmology</i> , 2012, 96, 634-639.	2.1	40
23	Tear Film Steroid Profiling in Dry Eye Disease by Liquid Chromatography Tandem Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1349.	1.8	40
24	In vivo analysis of conjunctiva in gold micro shunt implantation for glaucoma. <i>British Journal of Ophthalmology</i> , 2010, 94, 1592-1596.	2.1	38
25	Optical Coherence Tomography Angiography of the Peripapillary Retina in Normal-Tension Glaucoma and Chronic Nonarteritic Anterior Ischemic Optic Neuropathy. <i>Current Eye Research</i> , 2018, 43, 778-784.	0.7	38
26	How many aqueous humor outflow pathways are there?. <i>Survey of Ophthalmology</i> , 2020, 65, 144-170.	1.7	38
27	Corneoscleral Limbus in Glaucoma Patients: In Vivo Confocal Microscopy and Immunocytological Study. , 2015, 56, 2050.		37
28	Reproducibility and Repeatability of Cirrus [®] , [®] HD-OCT Peripapillary Retinal Nerve Fibre Layer Thickness Measurements in Young Normal Subjects. <i>Ophthalmologica</i> , 2012, 227, 139-145.	1.0	34
29	In Vivo Confocal Imaging of the Conjunctiva as a Predictive Tool for the Glaucoma Filtration Surgery Outcome. , 2017, 58, BIO114.		34
30	Aqueous humor levels of vascular endothelial growth factor and adiponectin in patients with type 2 diabetes before and after intravitreal bevacizumab injection. <i>Experimental Eye Research</i> , 2013, 110, 50-54.	1.2	32
31	The Conjunctiva-Associated Lymphoid Tissue in Chronic Ocular Surface Diseases. <i>Microscopy and Microanalysis</i> , 2017, 23, 697-707.	0.2	31
32	Face Mask-Related Ocular Surface Modifications During COVID-19 Pandemic: A Clinical, In Vivo Confocal Microscopy, and Immune-Cytology Study. <i>Translational Vision Science and Technology</i> , 2021, 10, 22.	1.1	31
33	Postoperative IOL Axial Movements and Refractive Changes After Femtosecond Laser-assisted Cataract Surgery Versus Conventional Phacoemulsification. <i>Journal of Refractive Surgery</i> , 2015, 31, 524-530.	1.1	29
34	In Vivo Confocal Microscopy of Conjunctiva-Associated Lymphoid Tissue in Healthy Humans. , 2014, 55, 5254.		28
35	Advance in the pathogenesis and treatment of normal-tension glaucoma. <i>Progress in Brain Research</i> , 2015, 221, 213-232.	0.9	28
36	<i>In Vivo</i> Laser Scanning Confocal Microscopy of Human Meibomian Glands in Aging and Ocular Surface Diseases. <i>BioMed Research International</i> , 2016, 2016, 1-8.	0.9	28

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37	Molecular biomarkers in primary open-angle glaucoma. Progress in Brain Research, 2015, 221, 1-32.	0.9	26
38	High-Intensity Focused Ultrasound Circular Cyclocoagulation in Glaucoma: A Step Forward for Cyclodestruction?. Journal of Ophthalmology, 2017, 2017, 1-14.	0.6	26
39	Meibomian Gland Features and Conjunctival Goblet Cell Density in Glaucomatous Patients Controlled With Prostaglandin/Timolol Fixed Combinations: A Case Control, Cross-sectional Study. Journal of Glaucoma, 2018, 27, 364-370.	0.8	26
40	In Vivo Goblet Cell Density as a Potential Indicator of Glaucoma Filtration Surgery Outcome. , 2016, 57, 2928.		25
41	Confocal microscopy of corneal nerve plexus as an early marker of eye involvement in patients with type 2 diabetes. Diabetes Research and Clinical Practice, 2018, 142, 393-400.	1.1	25
42	Detection of central visual field defects in early glaucomatous eyes: Comparison of Humphrey and Octopus perimetry. PLoS ONE, 2017, 12, e0186793.	1.1	25
43	Conjunctival and corneal findings in bleb-associated endophthalmitis: an <i>in vivo</i> confocal microscopy study. Acta Ophthalmologica, 2011, 89, 388-395.	0.6	24
44	Conjunctival findings in hyperbaric and low-tension glaucoma: an <i>in vivo</i> confocal microscopy study. Acta Ophthalmologica, 2012, 90, e132-7.	0.6	24
45	In Vivo Analysis of Prostaglandins-induced Ocular Surface and Periocular Adnexa Modifications in Patients with Glaucoma. In Vivo, 2018, 32, 211-220.	0.6	23
46	The ocular surface after successful glaucoma filtration surgery: a clinical, <i>in vivo</i> confocal microscopy, and immune-cytology study. Scientific Reports, 2019, 9, 11299.	1.6	22
47	Structural and Molecular Tear Film Changes in Glaucoma. Current Medicinal Chemistry, 2019, 26, 4225-4240.	1.2	22
48	Comparative study of Acrysof ReSTOR multifocal intraocular lenses +4.00 D and +3.00 D: visual performance and wavefront error. Australasian journal of optometry, The, 2013, 96, 295-302.	0.6	20
49	Structural imaging of conjunctival filtering blebs in XEN gel implantation and trabeculectomy: a confocal and anterior segment optical coherence tomography study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 1763-1770.	1.0	19
50	Macular versus nerve fibre layer versus optic nerve head imaging for diagnosing glaucoma at different stages of the disease: Multicenter Italian Glaucoma Imaging Study. Acta Ophthalmologica, 2019, 97, e207-e215.	0.6	18
51	Trans-conjunctival aqueous humor outflow in glaucomatous patients treated with prostaglandin analogues: an <i>in vivo</i> confocal microscopy study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1469-1476.	1.0	17
52	Radial Peripapillary Capillary Network in Patients with Retinitis Pigmentosa: An Optical Coherence Tomography Angiography Study. Frontiers in Neurology, 2017, 8, 572.	1.1	17
53	In Vivo and Impression Cytology Study on the Effect of Compatible Solutes Eye Drops on the Ocular Surface Epithelial Cell Quality in Dry Eye Patients. Mediators of Inflammation, 2015, 2015, 1-8.	1.4	16
54	Topical preservative-free ophthalmic treatments: an unmet clinical need. Expert Opinion on Drug Delivery, 2020, 18, 1-18.	2.4	14

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55	Human vitreous concentrations of citicoline following topical application of citicoline 2% ophthalmic solution. <i>PLoS ONE</i> , 2019, 14, e0224982.	1.1	13
56	Advanced Morphological and Functional Magnetic Resonance Techniques in Glaucoma. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	11
57	Optic nerve head diurnal vessel density variations in glaucoma and ocular hypertension measured by optical coherence tomography angiography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 1237-1251.	1.0	11
58	In Vivo Scanning Laser Confocal Microscopy of Conjunctival Goblet Cells in Medically-controlled Glaucoma. <i>In Vivo</i> , 2018, 32, 437-443.	0.6	11
59	Preparing the ocular surface for glaucoma filtration surgery: an unmet clinical need. <i>Acta Ophthalmologica</i> , 2022, 100, 740-751.	0.6	11
60	Ocular-surface temperature modification by cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2016, 42, 983-989.	0.7	10
61	Angiographic biomarkers of filtering bleb function after XEN gel implantation for glaucoma: an optical coherence tomography-angiography study. <i>Acta Ophthalmologica</i> , 2020, 98, e761-e767.	0.6	10
62	Endothelial Cell Density After XEN Implant Surgery: Short-term Data From the Italian XEN Glaucoma Treatment Registry (XEN-GTR). <i>Journal of Glaucoma</i> , 2021, 30, 559-565.	0.8	10
63	Prospective, Randomized, Single Masked, Parallel Study Exploring the Effects of a Preservative-Free Ophthalmic Solution Containing Hyaluronic Acid 0.4% and Taurine 0.5% on the Ocular Surface of Glaucoma Patients Under Multiple Long-Term Topical Hypotensive Therapy. <i>Advances in Therapy</i> , 2018, 35, 686-696.	1.3	9
64	Tear Meniscus Imaging by Anterior Segment-Optical Coherence Tomography in Medically Controlled Glaucoma. <i>Journal of Glaucoma</i> , 2020, 29, 374-380.	0.8	9
65	Fractal dimension as a new tool to analyze optic nerve head vasculature in primary open angle glaucoma. <i>In Vivo</i> , 2015, 29, 273-9.	0.6	8
66	Diagnostic capability of optic nerve head rim width and retinal nerve fiber thickness in open-angle glaucoma. <i>European Journal of Ophthalmology</i> , 2018, 28, 459-464.	0.7	7
67	Conjunctival thickness as a predictive imaging biomarker for the glaucoma filtration surgery outcome: An optical coherence tomography study. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1192-1200.	1.3	7
68	Confocal Microscopy and Anterior Segment Optical Coherence Tomography Imaging of the Ocular Surface and Bleb Morphology in Medically and Surgically Treated Glaucoma Patients: A Review. <i>Pharmaceuticals</i> , 2021, 14, 581.	1.7	7
69	Teleophthalmology in COVID-19 era: an Italian ophthalmology department experience. <i>Eye</i> , 2020, 35, 2319-2321.	1.1	6
70	Interference figures of polarimetric interferometry analysis of the human corneal stroma. <i>PLoS ONE</i> , 2017, 12, e0178397.	1.1	6
71	Three-dimensional Laser Scanning Confocal Analysis of Conjunctival Microcysts in Glaucomatous Patients Before and After Trabeculectomy. <i>In Vivo</i> , 2017, 31, 1081-1088.	0.6	6
72	Functional and Structural Reliability of Optic Nerve Head Measurements in Healthy Eyes by Means of Optical Coherence Tomography Angiography. <i>Medicina (Lithuania)</i> , 2020, 56, 44.	0.8	5

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73	Tear proteomics reveals the molecular basis of the efficacy of human recombinant nerve growth factor treatment for Neurotrophic Keratopathy. <i>Scientific Reports</i> , 2022, 12, 1229.	1.6	5
74	Intravitreal Ranibizumab for Predominantly Hemorrhagic Choroidal Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmologica</i> , 2015, 233, 74-81.	1.0	4
75	Topical Steroids and Glaucoma Filtration Surgery Outcomes: An In Vivo Confocal Study of the Conjunctiva. <i>Journal of Clinical Medicine</i> , 2022, 11, 3959.	1.0	4
76	<i>In Vivo</i> Confocal Microscopy of the Corneal Sub-Basal Nerve plexus in Medically Controlled Glaucoma. <i>Microscopy and Microanalysis</i> , 2022, 28, 496-503.	0.2	3
77	Low-Tension Glaucoma: An Oxymoron in Ophthalmology. <i>Preventing Chronic Disease</i> , 2019, 16, E10.	1.7	2
78	Virtual learning solutions in COVID-19 era: University Italian Ophthalmology department perspective. <i>European Journal of Ophthalmology</i> , 2021, , 112067212110155.	0.7	2
79	Long-term outcome of supraciliary gold micro shunt in refractory glaucoma. <i>Acta Ophthalmologica</i> , 2022, 100, .	0.6	2
80	Scleral and conjunctival features in patients with rhegmatogenous retinal detachment undergoing scleral buckling: an anterior segment optical coherence tomography and in vivo confocal microscopy study. <i>Acta Ophthalmologica</i> , 2019, 97, e1069-e1076.	0.6	1
81	Visual Performance and Quality of Life after Femtosecond Laser-Assisted Cataract Surgery with Trifocal IOLs Implantation. <i>Journal of Clinical Medicine</i> , 2021, 10, 3038.	1.0	1
82	A 12-week Study Evaluating the Efficacy of Bimatoprost 0.03% in Patients with Pseudoexfoliative and Open-Angle Glaucoma. <i>European Journal of Ophthalmology</i> , 2009, 19, 594-600.	0.7	0
83	Author Response: In Vivo Goblet Cell Density as a Potential Indicator of Glaucoma Filtration Surgery Outcome. , 2016, 57, 5406.		0
84	In Reply. <i>Journal of Glaucoma</i> , 2018, 27, e197.	0.8	0
85	Exploring the gap between diagnostic research outputs and clinical use of OCT for diagnosing glaucoma. <i>British Journal of Ophthalmology</i> , 2020, 104, 1114-1119.	2.1	0
86	Age-related ocular surface modifications assessment combining thermal infrared and deep learning approach. , 2021, , .		0
87	Response to Letter to the Editor: Tear Meniscus Imaging by Anterior Segment-Optical Coherence Tomography in Medically Controlled Glaucoma. <i>Journal of Glaucoma</i> , 2021, 30, e106-e107.	0.8	0
88	Optical Coherence Tomography Angiography and Glaucoma. <i>ESASO Course Series</i> , 2020, , 123-131.	0.1	0