

George Asimellis

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.

67
papers

1,821
citations

25
h-index

39
g-index

70
ext. papers

2,023
ext. citations

2.8
avg. IF

5.44
L-index

#	Paper	IF	Citations
67	Combined Corneal Cross Linking and Other Procedures: Indications and Application Models 2017 , 87-165		1
66	Higher incidence of steroid-induced ocular hypertension in keratoconus. <i>Eye and Vision (London, England)</i> , 2016 , 3, 4	4.9	6
65	In pursuit of objective dry eye screening clinical techniques. <i>Eye and Vision (London, England)</i> , 2016 , 3, 1	4.9	27
64	Cross-Linking Biomechanical Effect in Human Corneas by Same Energy, Different UV-A Fluence: An Enzymatic Digestion Comparative Evaluation. <i>Cornea</i> , 2016 , 35, 557-61	3.1	15
63	Standard manual capsulorhexis / Ultrasound phacoemulsification compared to femtosecond laser-assisted capsulorhexis and lens fragmentation in clear cornea small incision cataract surgery. <i>Eye and Vision (London, England)</i> , 2016 , 3, 20	4.9	15
62	Presbyopic PiXL Cross-Linking. <i>Current Ophthalmology Reports</i> , 2015 , 3, 1-8	1.8	7
61	Combined laser in situ keratomileusis and prophylactic high-fluence corneal collagen crosslinking for high myopia: two-year safety and efficacy. <i>Journal of Cataract and Refractive Surgery</i> , 2015 , 41, 1426-33	2.3	53
60	Corneal collagen cross-linking combined with simulation of femtosecond laser-assisted refractive lens extraction: an ex vivo biomechanical effect evaluation. <i>Cornea</i> , 2015 , 34, 550-6	3.1	10
59	Distribution and Repeatability of Corneal Astigmatism Measurements (Magnitude and Axis) Evaluated With Color Light Emitting Diode Reflection Topography. <i>Cornea</i> , 2015 , 34, 937-44	3.1	19
58	Color light-emitting diode reflection topography: validation of keratometric repeatability in a large sample of wide cylindrical-range corneas. <i>Clinical Ophthalmology</i> , 2015 , 9, 245-52	2.5	14
57	Topografisch angepasste torische transepitheliale, gepulste Kollagenvernetzung mit hoher Fluenz, höherer Energie und höherer Riboflavin-Konzentration zur Behandlung des Keratokonus. <i>Karger Kompass Ophthalmologie</i> , 2015 , 1, 41-46	0	
56	High-irradiance CXL combined with myopic LASIK: flap and residual stroma biomechanical properties studied ex-vivo. <i>British Journal of Ophthalmology</i> , 2015 , 99, 870-4	5.5	25
55	Digital pupillometry and centroid shift changes after cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2015 , 41, 408-14	2.3	13
54	LASIK ablation centration: an objective digitized assessment and comparison between two generations of an excimer laser. <i>Journal of Refractive Surgery</i> , 2015 , 31, 164-9	3.3	19
53	Objective Evaluation of Planned Versus Achieved Stromal Thickness Reduction in Myopic Femtosecond Laser-assisted LASIK. <i>Journal of Refractive Surgery</i> , 2015 , 31, 628-32	3.3	7
52	Novel Placido-derived Topography-guided Excimer Corneal Normalization With Cyclorotation Adjustment: Enhanced Athens Protocol for Keratoconus. <i>Journal of Refractive Surgery</i> , 2015 , 31, 768-73	3.3	18
51	Optical coherence tomography-derived corneal thickness asymmetry indices: clinical reference study of normal eyes. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 1603-9	2.3	6

50	Epithelial remodeling after partial topography-guided normalization and high-fluence short-duration crosslinking (Athens protocol): results up to 1 year. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 1597-602	2.3	22
49	Reply: To PMID 24200234. <i>American Journal of Ophthalmology</i> , 2014 , 157, 1116-7	4.9	4
48	In vivo 3-dimensional corneal epithelial thickness mapping as an indicator of dry eye: preliminary clinical assessment. <i>American Journal of Ophthalmology</i> , 2014 , 157, 63-68.e2	4.9	77
47	Toric topographically customized transepithelial, pulsed, very high-fluence, higher energy and higher riboflavin concentration collagen cross-linking in keratoconus. <i>Case Reports in Ophthalmology</i> , 2014 , 5, 172-80	0.7	37
46	Clinical Correlation between Placido, Scheimpflug and LED Color Reflection Topographies in Imaging of a Scarred Cornea. <i>Case Reports in Ophthalmology</i> , 2014 , 5, 311-7	0.7	14
45	OCT corneal epithelial topographic asymmetry as a sensitive diagnostic tool for early and advancing keratoconus. <i>Clinical Ophthalmology</i> , 2014 , 8, 2277-87	2.5	38
44	Longitudinal postoperative lasik epithelial thickness profile changes in correlation with degree of myopia correction. <i>Journal of Refractive Surgery</i> , 2014 , 30, 166-71	3.3	38
43	Comparison of prophylactic higher fluence corneal cross-linking to control, in myopic LASIK, one year results. <i>Clinical Ophthalmology</i> , 2014 , 8, 2373-81	2.5	36
42	Clear-cornea cataract surgery: pupil size and shape changes, along with anterior chamber volume and depth changes. A Scheimpflug imaging study. <i>Clinical Ophthalmology</i> , 2014 , 8, 2141-50	2.5	21
41	Hyperopic correction: clinical validation with epithelium-on and epithelium-off protocols, using variable fluence and topographically customized collagen corneal crosslinking. <i>Clinical Ophthalmology</i> , 2014 , 8, 2425-33	2.5	18
40	Long-term safety and efficacy of high-fluence collagen crosslinking of the vehicle cornea in Boston keratoprosthesis type 1. <i>Cornea</i> , 2014 , 33, 914-8	3.1	27
39	OCT-derived comparison of corneal thickness distribution and asymmetry differences between normal and keratoconic eyes. <i>Cornea</i> , 2014 , 33, 1274-81	3.1	20
38	Anterior-segment optical coherence tomography investigation of corneal deturgescence and epithelial remodeling after DSAEK. <i>Cornea</i> , 2014 , 33, 340-8	3.1	20
37	Epithelial remodeling after femtosecond laser-assisted high myopic LASIK: comparison of stand-alone with LASIK combined with prophylactic high-fluence cross-linking. <i>Cornea</i> , 2014 , 33, 463-9	3.1	50
36	Keratoconus management: long-term stability of topography-guided normalization combined with high-fluence CXL stabilization (the Athens Protocol). <i>Journal of Refractive Surgery</i> , 2014 , 30, 88-93	3.3	97
35	Corneal epithelial remodeling following cataract surgery: three-dimensional investigation with anterior-segment optical coherence tomography. <i>Journal of Refractive Surgery</i> , 2014 , 30, 348-53	3.3	21
34	Corneal refractive power and symmetry changes following normalization of ectasias treated with partial topography-guided PTK combined with higher-fluence CXL (the Athens Protocol). <i>Journal of Refractive Surgery</i> , 2014 , 30, 342-6	3.3	12
33	Anterior segment optical coherence tomography: assisted topographic corneal epithelial thickness distribution imaging of a keratoconus patient. <i>Case Reports in Ophthalmology</i> , 2013 , 4, 74-8	0.7	30

32	Long-term bladeless LASIK outcomes with the FS200 Femtosecond and EX500 Excimer Laser workstation: the Refractive Suite. <i>Clinical Ophthalmology</i> , 2013 , 7, 261-9	2.5	32
31	In vivo three-dimensional corneal epithelium imaging in normal eyes by anterior-segment optical coherence tomography: a clinical reference study. <i>Cornea</i> , 2013 , 32, 1493-8	3.1	80
30	Forme Fruste Keratoconus Imaging and Validation via Novel Multi-Spot Reflection Topography. <i>Case Reports in Ophthalmology</i> , 2013 , 4, 199-209	0.7	22
29	Introduction of quantitative and qualitative cornea optical coherence tomography findings induced by collagen cross-linking for keratoconus: a novel effect measurement benchmark. <i>Clinical Ophthalmology</i> , 2013 , 7, 329-35	2.5	35
28	FS200 femtosecond laser LASIK flap digital analysis parameter evaluation: comparing two different types of patient interface applanation cones. <i>Clinical Ophthalmology</i> , 2013 , 7, 1103-8	2.5	8
27	Digital analysis of flap parameter accuracy and objective assessment of opaque bubble layer in femtosecond laser-assisted LASIK: a novel technique. <i>Clinical Ophthalmology</i> , 2013 , 7, 343-51	2.5	22
26	Comparison of high-resolution Scheimpflug and high-frequency ultrasound biomicroscopy to anterior-segment OCT corneal thickness measurements. <i>Clinical Ophthalmology</i> , 2013 , 7, 2239-47	2.5	35
25	Three-dimensional LASIK flap thickness variability: topographic central, paracentral and peripheral assessment, in flaps created by a mechanical microkeratome (M2) and two different femtosecond lasers (FS60 and FS200). <i>Clinical Ophthalmology</i> , 2013 , 7, 675-83	2.5	32
24	Essential opaque bubble layer elimination with novel LASIK flap settings in the FS200 Femtosecond Laser. <i>Clinical Ophthalmology</i> , 2013 , 7, 765-70	2.5	8
23	Comparison of Placido disc and Scheimpflug image-derived topography-guided excimer laser surface normalization combined with higher fluence CXL: the Athens Protocol, in progressive keratoconus. <i>Clinical Ophthalmology</i> , 2013 , 7, 1385-96	2.5	32
22	Revisiting keratoconus diagnosis and progression classification based on evaluation of corneal asymmetry indices, derived from Scheimpflug imaging in keratoconic and suspect cases. <i>Clinical Ophthalmology</i> , 2013 , 7, 1539-48	2.5	116
21	Influence of corneal cross-linking for keratoconus on several objective parameters of dry eye. <i>Journal of Refractive Surgery</i> , 2013 , 29, 612-6	3.3	15
20	Refractive and keratometric stability in high myopic LASIK with high-frequency femtosecond and excimer lasers. <i>Journal of Refractive Surgery</i> , 2013 , 29, 832-7	3.3	41
19	Evaluation of Visual Acuity, Pachymetry and Anterior-Surface Irregularity in Keratoconus and Crosslinking Intervention Follow-up in 737 Cases. <i>International Journal of Keratoconus and Ectatic Corneal Diseases</i> , 2013 , 2, 95-103	0	13
18	Correlation between epithelial thickness in normal corneas, untreated ectatic corneas, and ectatic corneas previously treated with CXL; is overall epithelial thickness a very early ectasia prognostic factor?. <i>Clinical Ophthalmology</i> , 2012 , 6, 789-800	2.5	62
17	Correlation between central corneal thickness, anterior chamber depth, and corneal keratometry as measured by Oculyzer II and WaveLight OB820 in preoperative cataract surgery patients. <i>Journal of Refractive Surgery</i> , 2012 , 28, 895-900	3.3	24
16	Customized hydrogel contact lenses for keratoconus incorporating correction for vertical coma aberration. <i>Ophthalmic and Physiological Optics</i> , 2009 , 29, 321-9	4.1	60
15	Platinum group metals bulk analysis in automobile catalyst recycling material by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 1338-1343	3.1	25

14	Rapid, automated measurement of layer thicknesses on steel coin blanks using laser-induced-breakdown spectroscopy depth profiling. <i>Applied Optics</i> , 2007 , 46, 935-42	1.7	10
13	New near-infrared LIBS detection technique for sulfur. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 333-7	4.4	30
12	Accurate wavelength calibration in the near-infrared for multielement analysis without the need for reference spectra. <i>Applied Optics</i> , 2006 , 45, 8855-62	1.7	6
11	Phosphate ore beneficiation via determination of phosphorus-to-silica ratios by Laser Induced Breakdown Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 1253-1259	3.1	20
10	Near-IR bromine Laser Induced Breakdown Spectroscopy detection and ambient gas effects on emission line asymmetric Stark broadening and shift. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 1270-1278	3.1	20
9	Controlled inert gas environment for enhanced chlorine and fluorine detection in the visible and near-infrared by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 1132-1139	3.1	76
8	Development of a method for automated quantitative analysis of ores using LIBS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001 , 56, 707-714	3.1	96
7	Nonlinear compensative noise reduction in joint transform correlators. <i>Optical Engineering</i> , 1998 , 37, 66	1.1	7
6	Effects of saturation on the nonlinear incoherent-erasure joint-transform correlator. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1996 , 13, 1345	1.8	13
5	Incoherent-erasure joint-transform correlator. <i>Optics Letters</i> , 1995 , 20, 2321	3	19
4	Two-port photorefractive joint-transform correlator. <i>Optics Letters</i> , 1995 , 20, 2517	3	2
3	Analysis of the dual discrimination ability of the two-port photorefractive joint transform correlator. <i>Applied Optics</i> , 1995 , 34, 8154-66	1.7	7
2	All-optical nonlinear joint Fourier transform correlator. <i>Applied Optics</i> , 1994 , 33, 8216-25	1.7	11
1	Health profession readiness for interprofessional education in the Central Appalachia: a cross-sectional study. <i>F1000Research</i> , 10, 553	3.6	