

CITATION REPORT

List of articles citing

The thickness of the tear film

DOI: 10.1080/02713680490516099

Current Eye Research, 2004, 29, 357-68.

Source: <https://exaly.com/paper-pdf/37267019/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
237	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650		
236	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650		
235	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650		
234	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650		
233	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650		
232	Thinning rate of the precorneal and prelens tear films. 2005 , 46, 2353-61		152
231	A mathematical model for ocular tear and solute balance. <i>Current Eye Research</i> , 2005 , 30, 841-54	2.9	42
230	LETTER TO THE EDITOR: Reply to Letter by Dr. C. J. Radke. <i>Current Eye Research</i> , 2005 , 30, 1133-1134	2.9	2
229	Postblink changes in the ocular modulation transfer function measured by a double-pass method. 2005 , 46, 4468-73		45
228	Comments on "The thickness of the tear film". <i>Current Eye Research</i> , 2005 , 30, 1131-2; author reply 1133-4	2.9	10
227	Silicone hydrogel contact lenses and the ocular surface. 2006 , 4, 24-43		133
226	Temporal changes in the tear menisci following a blink. <i>Experimental Eye Research</i> , 2006 , 83, 517-25	3.7	46
225	Interferometric imaging of the full thickness of the precorneal tear film. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 2097-104	1.8	41
224	Examen de la section lacrymale. 2006 , 3, 1-7		
223	The contribution of accommodation and the ocular surface to the microfluctuations of wavefront aberrations of the eye. 2006 , 26, 439-46		17
222	The modern office environment desiccates the eyes?. 2006 , 16, 258-65		58
221	The effect of short term contact lens wear on the tear film and ocular surface characteristics of tolerant and intolerant wearers. 2006 , 29, 41-7; quiz 49		61

220	Chemical boundaries for detection of eye irritation in humans from homologous vapors. 2006 , 91, 600-9		16
219	Single-equation models for the tear film in a blink cycle: realistic lid motion. 2007 , 24, 347-77		40
218	Tear glucose analysis for the noninvasive detection and monitoring of diabetes mellitus. 2007 , 5, 280-93		113
217	Model problems for the tear film in a blink cycle: single-equation models. 2007 , 586, 465-490		36
216	Temperature-induced conformational changes in human tearlipids hydrocarbon chains. 2007 , 87, 124-33		63
215	Dynamics of ocular surface topography. 2007 , 21, 624-32		25
214	Mechanical characterization of contact lenses by microindentation: Constant velocity and relaxation testing. 2008 , 4, 1560-8		17
213	Endophthalmitis associated with intravitreal anti-vascular endothelial growth factor therapy injections in an office setting. 2008 , 145, 879-82		149
212	Effect of blinking on tear volume after instillation of midviscosity artificial tears. 2008 , 146, 920-4		34
211	Contributions of evaporation and other mechanisms to tear film thinning and break-up. <i>Optometry and Vision Science</i> , 2008 , 85, 623-30	2.1	95
210	An overset grid method for the study of reflex tearing. 2008 , 25, 187-214		22
209	The normal tear film. 2008 , 41, 1-20		140
208	Tear Fluid Photonic Crystal Contact Lens Noninvasive Glucose Sensors. 2008 , 387-417		
207	The contribution of lipid layer movement to tear film thinning and breakup. 2009 , 50, 2747-56		98
206	The Meibomian puzzle: combining pieces together. 2009 , 28, 483-98		105
205	[Meibomian glands. Part II: physiology, characteristics, distribution and function of meibomian oil]. 2009 , 106, 884-92		31
204	Mucus-penetrating nanoparticles for drug and gene delivery to mucosal tissues. 2009 , 61, 158-71		1211
203	Predicted phenotypes of dry eye: proposed consequences of its natural history. 2009 , 7, 78-92		113

202	Tear film dynamics on an eye-shaped domain. Part 2. Flux boundary conditions. 2010 , 647, 361-390		35
201	Suppressing van der Waals driven rupture through shear. 2010 , 661, 522-539		17
200	Texture based pre lens tear film segmentation in interferometry images. 2010 , 21, 253-259		7
199	A mass and solute balance model for tear volume and osmolarity in the normal and the dry eye. 2010 , 29, 59-78		79
198	Interactions of Meibomian gland secretion with polar lipids in Langmuir monolayers. 2010 , 78, 317-27		40
197	Kinetic analysis of topographical parameters and interference pattern of tear lipid layer in normal subjects. 2010 , 30, 790-9		
196	Application of a novel interferometric method to investigate the relation between lipid layer thickness and tear film thinning. 2010 , 51, 2418-23		127
195	Tear film dynamics on an eye-shaped domain I: pressure boundary conditions. 2010 , 27, 227-54		25
194	A disposable tear glucose biosensor-part 1: design and concept testing. 2010 , 4, 299-306		19
193	The lid margin is an underestimated structure for preservation of ocular surface health and development of dry eye disease. 2010 , 45, 108-122		55
192	A model for wetting and evaporation of a post-blink precorneal tear film. 2010 , 27, 211-25		39
191	Tear lipids interfacial rheology: effect of lysozyme and lens care solutions. <i>Optometry and Vision Science</i> , 2010 , 87, 10-20	2.1	26
190	Physical changes in human meibum with age as measured by infrared spectroscopy. 2010 , 44, 34-42		48
189	Non-invasive in vivo measurement of the tear film using spatial autocorrelation in a live mammal model. 2010 , 1, 1127-1137		6
188	The tear film and the optical quality of the eye. 2010 , 8, 185-92		70
187	Confirmation of changes in human meibum lipid infrared spectra with age using principal component analysis. <i>Current Eye Research</i> , 2010 , 35, 778-86	2.9	24
186	Interferometry in the evaluation of precorneal tear film thickness in dry eye. 2011 , 151, 18-23.e1		54
185	Micrometer axial resolution OCT for corneal imaging. 2011 , 2, 3037-46		52

184	Quantification of human sebum on skin and human meibum on the eye lid margin using Sebutapeñ , spectroscopy and chemical analysis. <i>Current Eye Research</i> , 2011 , 36, 553-62	2.9	32
183	High resolution microscopy of the lipid layer of the tear film. 2011 , 9, 197-211		43
182	The lid wiper and muco-cutaneous junction anatomy of the human eyelid margins: an in vivo confocal and histological study. 2011 , 218, 449-61		58
181	Lessons from the biophysics of interfaces: lung surfactant and tear fluid. 2011 , 30, 204-15		37
180	Comparative HPLC-MS analysis of canine and human meibomian lipidomes: many similarities, a few differences. <i>Scientific Reports</i> , 2011 , 1, 24	4.9	24
179	Diagnosing dry eye with dynamic-area high-speed videokeratoscopy. 2011 , 16, 076012		14
178	Characterizing the spontaneous blink generator: an animal model. 2011 , 31, 11256-67		108
177	Dynamic contact angle analysis of silicone hydrogel contact lenses. 2011 , 26, 85-99		55
176	Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2011 ,	0.9	2
175	Mucoadhesive Nanoparticulate System for Oral Drug Delivery: A Review. 2012 , 7, 42-55		7
174	Estimating tear film spread and stability through tear hydrodynamics. <i>Optometry and Vision Science</i> , 2012 , 89, E1119-24	2.1	16
173	Distribution of aqueous-deficient and evaporative dry eye in a clinic-based patient cohort: a retrospective study. 2012 , 31, 472-8		297
172	The lid wiper contains goblet cells and goblet cell crypts for ocular surface lubrication during the blink. 2012 , 31, 668-79		39
171	Integrated multimodal metrology for objective and noninvasive tear evaluation. 2012 , 10, 43-50		20
170	Wax-tear and meibum protein, wax-β-carotene interactions in vitro using infrared spectroscopy. <i>Experimental Eye Research</i> , 2012 , 100, 32-9	3.7	18
169	Dynamics of the Tear Film. 2012 , 44, 267-297		107
168	Contact lenses and the rate of evaporation measured in vitro; the influence of wear, squalene and wax. 2012 , 35, 277-81		6
167	Coupling fluid and solute dynamics within the ocular surface tear film: a modelling study of black line osmolarity. 2012 , 74, 2062-93		25

166	Aqueous salt transport through soft contact lenses: an osmotic-withdrawal mechanism for prevention of adherence. 2012 , 35, 260-5	12
165	Mass spectrometric identification of phospholipids in human tears and tear lipocalin. 2012 , 53, 1773-82	59
164	A model for the human tear film with heating from within the eye. 2012 , 24, 062103	18
163	Thin film dynamics on a prolate spheroid with application to the cornea. 2012 , 73, 121-138	39
162	Osmolality and tear film dynamics. 2012 , 95, 3-11	96
161	Partial ligation of the transposed parotid duct at the level of the parotid gland for excessive salivary secretions. 2012 , 15, 411-6	4
160	Ion-Selective Optodes in a Sampling Capillary for Tear Fluid Analysis. 2012 , 24, 42-52	8
159	Normal corneal thickness measurements in pigmented rabbits using spectral-domain anterior segment optical coherence tomography. 2013 , 16, 130-4	24
158	Contact lenses as a platform for ocular drug delivery. 2013 , 10, 1483-96	84
157	Lubrication regimes in contact lens wear during a blink. 2013 , 63, 45-50	46
156	Meniscal tear film fluid dynamics near MarxQ line. 2013 , 75, 1524-43	10
155	Comparison of IgA, TNF- α and surface tension of the tear film in two different times of the day. 2013 , 36, 140-5	21
154	Water-evaporation reduction by duplex films: application to the human tear film. 2013 , 197-198, 33-57	27
153	Diagnostic Techniques in Ocular Surface Disease. 2013 , 47-54	1
152	Tear-film-oriented diagnosis and therapy for dry eye. 2013 , 96-108	14
151	Maximum-likelihood estimation in Optical Coherence Tomography in the context of the tear film dynamics. 2013 , 4, 1806-16	11
150	Tear fluid protein biomarkers. 2013 , 62, 151-96	28
149	Tear lipid layer and contact lens comfort: a review. 2013 , 39, 247-53	41

148	The Effect of Tear Film on Ocular Surface Temperature: A Thermodynamic Study. 2013 , 135,	2
147	Structural and rheological properties of meibomian lipid. 2013 , 54, 2720-32	49
146	Dry Eye Syndrome: Basic and Clinical Perspectives. 2013 ,	1
145	The TFOS International Workshop on Contact Lens Discomfort: report of the contact lens interactions with the tear film subcommittee. 2013 , 54, TFOS123-56	135
144	Impact of soft contact lens edge design and midperipheral lens shape on the epithelium and its indentation with lens mobility. 2013 , 54, 6190-7	33
143	Development and evaluation of a novel mucus diffusion test system approved by self-nanoemulsifying drug delivery systems. 2013 , 102, 4406-13	114
142	Strategies for improving mucosal drug delivery. 2013 , 8, 2061-75	64
141	The TFOS International Workshop on Contact Lens Discomfort: report of the contact lens interactions with the ocular surface and adnexa subcommittee. 2013 , 54, TFOS98-TFOS122	73
140	A MODEL FOR THE TEAR FILM AND OCULAR SURFACE TEMPERATURE FOR PARTIAL BLINKS. 2013 , 1, 357-381	16
139	Review of ophthalmic drug delivery by contact lenses. 2014 , 24, 123-135	71
138	Simultaneous measurement of lipid and aqueous layers of tear film using optical coherence tomography and statistical decision theory. 2014 ,	
137	Measurement of a multi-layered tear film phantom using optical coherence tomography and statistical decision theory. 2014 , 5, 4374-86	21
136	Flow Evaporimeter To Assess Evaporative Resistance of Human Tear-Film Lipid Layer. 2014 , 53, 18130-18139	16
135	Heat transfer and tear film dynamics over multiple blink cycles. 2014 , 26, 071901	11
134	Tear film measurement by optical reflectometry technique. 2014 , 19, 027001	14
133	Integrated optical coherence tomography and reflectometry system for ocular anterior segment imaging and tear film thickness evaluation. 2014 , 53, 061705	2
132	Noninvasive Keratograph assessment of tear film break-up time and location in patients with age-related cataracts and dry eye syndrome. 2014 , 42, 494-502	47
131	Assessment of corneal epithelial thickness in dry eye patients. <i>Optometry and Vision Science</i> , 2014 , 91, 1446-54	2.1 57

130	Evaluation of ocular surface and tear film function following modified Hughes tarsoconjunctival flap procedure. <i>Acta Ophthalmologica</i> , 2014 , 92, 286-90	3.7	16
129	Interfacial phenomena and the ocular surface. 2014 , 12, 178-201		42
128	Evaporation-driven instability of the precorneal tear film. 2014 , 206, 250-64		84
127	Rethinking dry eye disease: a perspective on clinical implications. 2014 , 12, S1-31		134
126	Tear film dynamics with evaporation, wetting, and time-dependent flux boundary condition on an eye-shaped domain. 2014 , 26, 052101		27
125	Mucosal Delivery of Biopharmaceuticals. 2014 ,		7
124	Mean central corneal thickness and corneal power measurements in pigmented and white rabbits using Visante optical coherence tomography and ATLAS corneal topography. 2014 , 17, 87-90		7
123	The precorneal tear film as a fluid shell: the effect of blinking and saccades on tear film distribution and dynamics. 2014 , 12, 252-66		40
122	Exchange of tears under a contact lens is driven by distortions of the contact lens. 2014 , 54, 1043-50		10
121	A model for tear film thinning with osmolarity and fluorescein. 2014 , 55, 1133-42		35
120	Tear dynamics in healthy and dry eyes. <i>Current Eye Research</i> , 2014 , 39, 580-95	2.9	40
119	The influence of non-polar lipids on tear film dynamics. 2014 , 746, 565-605		22
118	Measurement of Precorneal Tear Film Using Scheimpflug Camera and Relationship with Parameters for Dry Eye. 2015 , 56, 1699		1
117	Ocular Mucosal Immunity. 2015 , 1873-1897		4
116	The real reason for having a meibomian lipid layer covering the outer surface of the tear film - A review. <i>Experimental Eye Research</i> , 2015 , 137, 125-38	3.7	82
115	Performance analysis of optical coherence tomography in the context of a thickness estimation task. 2015 , 20, 121306		5
114	Dynamics and function of the tear film in relation to the blink cycle. 2015 , 45, 132-64		81
113	Influence of lipid coatings on surface wettability characteristics of silicone hydrogels. 2015 , 31, 3820-8		13

112	Thermal analysis of dry eye subjects and the thermal impulse perturbation model of ocular surface. <i>Experimental Eye Research</i> , 2015 , 132, 231-9	3-7	3
111	Increased Tear Fluid Production as a Compensatory Response to Meibomian Gland Loss: A Multicenter Cross-sectional Study. 2015 , 122, 925-33		92
110	In vivo tear film thickness measurement and tear film dynamics visualization using spectral domain optical coherence tomography. 2015 , 23, 21043-63		47
109	Application of maximum-likelihood estimation in optical coherence tomography for nanometer-class thickness estimation. 2015 ,		
108	Tear film dynamics with evaporation, osmolarity and surfactant transport. 2015 , 39, 255-269		17
107	Sebum/Meibum Surface Film Interactions and Phase Transitional Differences. 2016 , 57, 2401-11		30
106	Evaluation of Changes in Tear Film Lipid Layer Thickness Using Ocular Surface Interferometer after Artificial Tear Application. 2016 , 57, 1857		
105	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. 2016 , 7, 2650-70		19
104	In vivo thickness dynamics measurement of tear film lipid and aqueous layers with optical coherence tomography and maximum-likelihood estimation. 2016 , 41, 1981-4		19
103	The mechanics of clearance in a non-Newtonian lubrication layer. 2016 , 86, 133-145		3
102	Development of Monitor System for Dry Eye Symptom. 2016 ,		0
101	In vivo tear film thickness measurement and tear film dynamics visualization using spectral domain OCT and an efficient delay estimator. 2016 ,		
100	Tear film lipid layer: A molecular level view. 2016 , 1858, 2421-2430		89
99	Dynamic interfacial properties of human tear-lipid films and their interactions with model-tear proteins in vitro. 2016 , 233, 4-24		26
98	Computed tear film and osmolarity dynamics on an eye-shaped domain. 2016 , 33, 123-57		17
97	Advances in thickness measurements and dynamic visualization of the tear film using non-invasive optical approaches. 2017 , 58, 28-44		17
96	Photoactivatable fluorescent probes reveal heterogeneous nanoparticle permeation through biological gels at multiple scales. 2017 , 260, 124-133		11
95	Classification of Fluorescein Breakup Patterns: A Novel Method of Differential Diagnosis for Dry Eye. 2017 , 180, 72-85		64

94	Global existence of solutions to a tear film model with locally elevated evaporation rates. 2017 , 350, 13-25	2
93	TFOS DEWS II pathophysiology report. 2017 , 15, 438-510	629
92	TFOS DEWS II Tear Film Report. 2017 , 15, 366-403	372
91	Influence of curvature on tear film dynamics. <i>European Journal of Mechanics, B/Fluids</i> , 2017 , 66, 81-91	2.4 4
90	Disturbing the balance: effect of contact lens use on the ocular proteome and microbiome. 2017 , 100, 459-472	29
89	Duplex Tear Film Evaporation Analysis. 2017 , 79, 2814-2846	8
88	Micro- and nano-carrier systems: The non-invasive and painless local administration strategies for disease therapy in mucosal tissues. 2017 , 13, 153-171	8
87	Ultrasensitive rotating photonic probes for complex biological systems. 2017 , 4, 1103	12
86	Combined model-based and patient-specific dosimetry for F-DCFPyL, a PSMA-targeted PET agent. 2018 , 45, 989-998	9
85	On tear film breakup (TBU): dynamics and imaging. 2018 , 35, 145-180	14
84	Simulation of parabolic flow on an eye-shaped domain with moving boundary. 2018 , 111, 111-126	3
83	The role of mucus on drug transport and its potential to affect therapeutic outcomes. 2018 , 124, 82-97	124
82	Engineering nanomaterials to overcome the mucosal barrier by modulating surface properties. 2018 , 124, 150-163	66
81	PEGylation for enhancing nanoparticle diffusion in mucus. 2018 , 124, 125-139	159
80	Mechanisms, imaging and structure of tear film breakup. 2018 , 16, 4-30	34
79	Functional nanocarrier for drug and gene delivery via local administration in mucosal tissues. 2018 , 13, 69-88	18
78	Tear Film-Oriented Diagnosis and Tear Film-Oriented Therapy for Dry Eye Based on Tear Film Dynamics. 2018 , 59, DES13-DES22	42
77	Criticality of the measurement of corneal thickness in specular reflection by digital biomicroscope. 2018 , 41, 531-537	2

76	A comprehensive review on contact lens for ophthalmic drug delivery. 2018 , 281, 97-118	76
75	Nanotechnology for ocular drug delivery. 2018 , 137-188	8
74	Comparison of iTRAQ and SWATH in a clinical study with multiple time points. 2018 , 15, 24	29
73	Computed flow and fluorescence over the ocular surface. 2018 , 35, 51-85	3
72	Zeta potential of tear samples: A tool to explore the effects of wear of contact lenses. 2019 , 42, 487-491	
71	Location and pattern of non-invasive keratographic tear film break-up according to dry eye disease subtypes. <i>Acta Ophthalmologica</i> , 2019 , 97, e1089-e1097	3-7 9
70	The influence of protein deposition on contact lens tear film stability. 2019 , 180, 229-236	18
69	Pre-contact lens and pre-corneal tear film kinetics. 2019 , 42, 246-252	7
68	Biophysical Properties in Glaucoma. 2019 ,	
67	Investigating the Role of Specific Tear Film Lipids Connected to Dry Eye Syndrome: A Study on O-Acyl-Hydroxy Fatty Acids and Diesters. 2019 , 35, 3545-3552	22
66	Tear-film-oriented diagnosis for dry eye. 2019 , 63, 127-136	31
65	Dynamics of Fluorescent Imaging for Rapid Tear Thinning. 2019 , 81, 39-80	5
64	Differences between tears of contact lens wearers studied by photon correlation spectroscopy. 2019 , 42, 212-215	5
63	Whale tear glands in the bowhead and the beluga whales: Source and function. 2020 , 281, 316-325	3
62	Challenges and barriers. 2020 , 89-107	4
61	Preocular sensor system for concurrent monitoring of glucose levels and dry eye syndrome using tear fluids. 2020 , 15, e0239317	0
60	Characteristics and Utility of Fluorescein Breakup Patterns among Dry Eyes in Clinic-Based Settings. 2020 , 10,	2
59	An eye on the dog as the scientist's best friend for translational research in ophthalmology: Focus on the ocular surface. 2020 , 40, 2566-2604	11

58	Synergistic Antimicrobial Activity of a Nanopillar Surface on a Chitosan Hydrogel.. 2020 , 3, 8040-8048	3
57	Application of systane complete for the treatment of contact lens discomfort. 2021 , 44, 101399	2
56	Defining Dry Eye from a Clinical Perspective. 2020 , 21,	36
55	Parameter Estimation for Evaporation-Driven Tear Film Thinning. 2020 , 82, 71	4
54	The influence of a lipid reservoir on the tear film formation. 2020 , 37, 363-388	1
53	Sex, blinking, and dry eye. 2020 , 123, 831-842	
52	Characterization of Bioadhesion, Mucin-interactions and Mucosal Permeability of Pharmaceutical Nano- and Microsystems. 2021 , 171-205	0
51	Glaucoma: Management and Future Perspectives for Nanotechnology-Based Treatment Modalities. 2021 , 158, 105648	6
50	Clinical Implication of Patchy Pattern Corneal Staining in Dry Eye Disease. 2021 , 11,	0
49	Applying a dual-Scheimpflug camera to measure tear film thickness. 2021 , 11206721211000274	
48	Parameter Estimation for Mixed-Mechanism Tear Film Thinning. 2021 , 83, 56	1
47	CLEAR - Anatomy and physiology of the anterior eye. 2021 , 44, 132-156	12
46	Next-generation contact lenses: Towards bioresponsive drug delivery and smart technologies in ocular therapeutics. 2021 , 161, 80-99	13
45	Micromechanical measurement of adhesion of dehydrating silicone hydrogel contact lenses to corneal tissue. 2021 , 127, 242-251	3
44	The relationship of pre-corneal to pre-contact lens non-invasive tear breakup time. 2021 , 16, e0247877	0
43	Ocular surface cooling rate associated with tear film characteristics and the maximum interblink period. <i>Scientific Reports</i> , 2021 , 11, 15030	4.9 2
42	Tear film dynamics with blinking and contact lens motion. 2021 , 38, 355-395	0
41	Physiological fluid interfaces: Functional microenvironments, drug delivery targets, and first line of defense. 2021 , 130, 32-53	8

40	The Protective Effect of Oral Application of Corni Fructus on the Disorders of the Cornea, Conjunctiva, Lacrimal Gland and Retina by Topical Particulate Matter 2.5. 2021 , 13,		3
39	Fluid dynamics of droplet generation from corneal tear film during non-contact tonometry in the context of pathogen transmission. 2021 , 33, 092109		4
38	The Protective Effect of Topical Spermidine on Dry Eye Disease with Retinal Damage Induced by Diesel Particulate Matter2.5. 2021 , 13,		2
37	2D numerical simulation of tear film dynamics: Effects of shear-thinning properties. <i>European Journal of Mechanics, B/Fluids</i> , 2021 , 90, 128-136	2.4	1
36	Dynamics and mechanisms for tear breakup (TBU) on the ocular surface. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 5146-5175	2.1	1
35	Ocular Delivery of Biopharmaceuticals. 2014 , 221-259		2
34	Mathematical Models of the Tear Film. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2019 , 387-432	0.8	2
33	Disruption of tear film and blink dynamics. 2010 , 123-130		1
32	Structural and Molecular Tear Film Changes in Glaucoma. <i>Current Medicinal Chemistry</i> , 2019 , 26, 4225-4240	4.9	10
31	Rheological Characterization of Pharmaceutical and Cosmetic Formulations for Cutaneous Applications. <i>Current Pharmaceutical Design</i> , 2019 , 25, 2349-2363	3.3	4
30	Corneal and Epithelial Thickness in Keratoconus: A Comparison of Ultrasonic Pachymetry, Orbscan II, and Optical Coherence Tomography. <i>Journal of Refractive Surgery</i> , 2006 , 22, 486-493	3.3	108
29	Resilient Subclass Discriminant Analysis with Application to Prelens Tear Film Interferometry. <i>Lecture Notes in Computer Science</i> , 2011 , 1-11	0.9	
28	To the editor: a novel on-eye wettability analyzer for soft contact lenses. <i>Optometry and Vision Science</i> , 2011 , 88, 1529; author reply 1529-30	2.1	
27	The Human Tear Film. 2012 , 22-31		
26	The Tear Film Interaction with Contact Lenses. 2012 , 297-311		
25	Super-resolved thickness maps using ultrahigh resolution OCT. 2017 ,		
24	Advances in the Field of Microbial Infection in the Cornea and the Role of Nanotechnology in Treating Keratitis. 2018 , 169-194		
23	Ocular Surface Anatomy and Physiology. 2019 , 153-156		

22	Tear film stability assessment by corneal reflex image degradation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, B110-B115	1.8	1
21	Normal Bireylerde Suni Gözyaı Preparatların Kontrast Duyarlı Deęirleri Üzerine Etkileri. <i>Acta Medica Alanya</i> , 115-122		
20	Pre-corneal tear film thickness in humans measured with a novel technique. <i>Molecular Vision</i> , 2011 , 17, 756-67	2.3	24
19	Mass spectrometry analysis of human tear fluid biomarkers specific for ocular and systemic diseases in the context of 3P medicine. <i>EPMA Journal</i> , 2021 , 12, 1-27	8.8	9
18	Advances in Dry Eye Disease Examination Techniques.. <i>Frontiers in Medicine</i> , 2021 , 8, 826530	4.9	0
17	Biophysical Properties of Tear Film Lipid Layer I. Surface Tension and Surface Rheology.. <i>Biophysical Journal</i> , 2021 ,	2.9	5
16	Transcorneal Kinetics of Topical Drugs and Nanoparticles. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2021 , 121-151	0.5	
15	Method for Film Thickness Mapping with an Astigmatic Optical Profilometer.. <i>Sensors</i> , 2022 , 22,	3.8	0
14	Effect of ocular demodicosis on the stability of the tear film and the tear break up time.. <i>Scientific Reports</i> , 2021 , 11, 24296	4.9	0
13	Analysis of the Association between Galectin-3 Concentration in Tears and the Severity of Dry Eye Disease: A Case-Control Study.. <i>Journal of Clinical Medicine</i> , 2021 , 11,	5.1	
12	Targeted Analysis of Tears Revealed Specific Altered Metal Homeostasis in Age-Related Macular Degeneration.. 2022 , 63, 10		0
11	Review on the possible pathophysiological mechanisms underlying visual display terminal-associated dry eye disease.. <i>Acta Ophthalmologica</i> , 2022 ,	3.7	0
10	Biochemistry of human tear film: A review.. <i>Experimental Eye Research</i> , 2022 , 220, 109101	3.7	0
9	From Static to Dynamic: A Review on the Role of Mucus Heterogeneity in Particle and Microbial Transport. <i>ACS Biomaterials Science and Engineering</i> ,	5.5	0
8	Dry eye syndrome: comprehensive etiologies and recent clinical trials. <i>International Ophthalmology</i> ,	2.2	0
7	Recent advances on drug delivery applications of mucopenetrative/mucoadhesive particles: A review. 2022 , 75, 103712		2
6	Changes Caused by Fluorescein in Tear film by Hybrid Break-up Time Test- Part One; On Quantitative Values. 2022 , 103137		0
5	A Two-Phase Model for Mucosal Aggregation and Clearance in the Human Tear Film. 2022 , 357-376		0

4	Successful Detection of the Characteristics of Tear Film Breakup Appearing Immediately after Eye Opening by Videokeratography with a Newly-Developed Indicator. 2023 , 13, 240	1
3	Effect of Model Tear Film Lipid Layer on Water Evaporation. 2023 , 64, 13	0
2	Classification of Tear Film Lipid Layer En Face Maps Obtained Using Optical Coherence Tomography and Their Correlation With Clinical Parameters. 2023 , 42, 490-497	0
1	Dynamic Aspects of Pre-Soft Contact Lens Tear Film and Their Relation to Dry Eye: Basic Science and Clinical Relevance. 2023 , 13, 859	0