

Performance of Tear Osmolarity Compared to Previous Diseases

Current Eye Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dry eye diagnosis and management. Expert Review of Ophthalmology, 2011, 6, 67-79.	0.6	14
2	Hyperosmolar Stress Upregulates HLA-DR Expression in Human Conjunctival Epithelium in Dry Eye Patients and In Vitro Models. , 2011, 52, 5488.		55
3	Tear Osmolarity in the Diagnosis and Management of Dry Eye Disease. American Journal of Ophthalmology, 2011, 151, 792-798.e1.	3.3	512
4	A Multicenter Pilot Evaluation of the National Institutes of Health Chronic Graft-versus-Host Disease (cGVHD) Therapeutic Response Measures: Feasibility, Interrater Reliability, and Minimum Detectable Change. Biology of Blood and Marrow Transplantation, 2011, 17, 1619-1629.	2.0	61
5	Challenges in the clinical measurement of ocular surface disease in glaucoma patients. Clinical Ophthalmology, 2011, 5, 1575.	1.8	29
6	Increased Tear Osmolarity in Patients with Severe Cases of Conjunctivochalasis. Current Eye Research, 2012, 37, 80-84.	1.5	15
7	Dry Eye Symptoms in Patients after Eyelid Reconstruction with Full-Thickness Eyelid Defects: Using the Tomey TG-1000 Thermographer. Ophthalmic Research, 2012, 48, 192-198.	1.9	22
8	Katarakt Cerrahisi Sonrası Gözyaş Osmolaritesi Değişiklikleri. Türk Oftalmoloji Dergisi, 2012, 42, 35-37.		1
9	Barriers to clinical uptake of tear osmolarity measurements. British Journal of Ophthalmology, 2012, 96, 341-344.	3.9	79
10	Clinical Utility of Objective Tests for Dry Eye Disease. Cornea, 2012, 31, 1000-1008.	1.7	170
11	Diurnal Variation of the Tear Osmolarity in Normal Subjects Measured by a New Microchip System. European Journal of Ophthalmology, 2012, 22, 1-4.	1.3	14
12	Tear Film Osmolarity in Patients Treated for Glaucoma or Ocular Hypertension. Cornea, 2012, 31, 994-999.	1.7	66
13	Evaluation of Tear Osmolarity in Non-Sjögren and Sjögren Syndrome Dry Eye Patients With the TearLab System. Cornea, 2012, 31, 867-871.	1.7	89
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15	Tear osmolarity in unilateral pseudoexfoliation syndrome. Australasian journal of optometry, The, 2012, 95, 506-509.	1.3	23
16	Tear Osmolarity in Premature Infants. Journal of Pediatric Ophthalmology and Strabismus, 2012, 49, 348-352.	0.7	0
17	Evaluation of Dry Eye. Survey of Ophthalmology, 2012, 57, 293-316.	4.0	131
18	Diagnostic performance of labial minor salivary gland flow measurement for assessment of xerostomia. Archives of Oral Biology, 2012, 57, 1121-1126.	1.8	12

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19	Comparison of dry-eye disease severity after laser in situ keratomileusis and laser-assisted subepithelial keratectomy. Journal of Cataract and Refractive Surgery, 2012, 38, 1058-1064.	1.5	29
20	Comparison of tear osmolarity and ocular comfort between daily disposable contact lenses: hilaafilcon B hydrogel versus narafilcon A silicone hydrogel. International Ophthalmology, 2012, 32, 229-233.	1.4	31
21	Reproducibility and repeatability of the OcuSense TearLab [®] osmometer. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1201-1205.	1.9	41
22	Fibre optics sensors in tear electrolyte analysis: Towards a novel point of care potassium sensor. Contact Lens and Anterior Eye, 2012, 35, 137-144.	1.7	19
23	Dry eye and its correlation to diabetes microvascular complications in people with type 2 diabetes mellitus. Journal of Diabetes and Its Complications, 2013, 27, 459-462.	2.3	79
24	TearLab [®] Osmolarity System for diagnosing dry eye. Expert Review of Molecular Diagnostics, 2013, 13, 119-129.	3.1	49
25	Role of Hyperosmolarity in the Pathogenesis and Management of Dry Eye Disease: Proceedings of the OCEAN Group Meeting. Ocular Surface, 2013, 11, 246-258.	4.4	359
26	Investigation of tear osmolarity in early rheumatoid arthritis: relation to disease activity. Canadian Journal of Ophthalmology, 2013, 48, 235-239.	0.7	8
27	Tear Osmolarity and Ocular Surface Changes in Patient with Polycystic Ovary Syndrome. Current Eye Research, 2013, 38, 621-625.	1.5	23
28	Alterations in the Tear Proteome of Dry Eye Patients – A Matter of the Clinical Phenotype. , 2013, 54, 2385.		69
29	In Situ Osmometry. Optometry and Vision Science, 2013, 90, 359-365.	1.2	30
30	Effect of chronic anti-glaucoma medications and trabeculectomy on tear osmolarity. Eye, 2013, 27, 1142-1150.	2.1	50
31	Accuracy of two osmometers on standard samples: electrical impedance technique and freezing point depression technique. , 2013, , .		1
32	The TFOS International Workshop on Contact Lens Discomfort: Report of the Contact Lens Interactions With the Tear Film Subcommittee. , 2013, 54, TFOS123.		167
33	Kuru gözy sendromlu hastalarda gözyaş osmolarite –İİŞİ¼m¼n¼n schirmer testi ve gözyaş kâr¼lma zaman¼ ile ilişkisi. Medical Journal of Bakirkoy, 2013, , 73-77.	0.1	1
34	Kuru Gözy Hastalar¼nda Gözyaş Osmolarite –İİŞİ¼m¼n¼n Gö¼n Å°Şi Değişiklikleri. T¼rk Oftalmoloji Dergisi, 2013, 43, 437-441.	0.9	3
35	Effects of Lubricating Agents with Different Osmolalities on Tear Osmolarity and Other Tear Function Tests in Patients with Dry Eye. Current Eye Research, 2013, 38, 1095-1103.	1.5	27
36	Intrasubject Tear Osmolarity Changes with Two Different Types of Eyedrops. Optometry and Vision Science, 2013, 90, 372-377.	1.2	15

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37	Tear Osmolarity and Dry Eye Symptoms in Women Using Oral Contraception and Contact Lenses. <i>Cornea</i> , 2013, 32, 423-428.	1.7	62
38	Evaluation of Tear Osmolarity in Non-Sjögren and Sjögren Syndrome Dry Eye Patients With the TearLab System. <i>Cornea</i> , 2013, 32, 379-381.	1.7	14
39	Tear Osmolarity in Sjögren Syndrome. <i>Cornea</i> , 2013, 32, 922-927.	1.7	42
40	Effects of Oral Mucolytics on Tear Film and Ocular Surface. <i>Cornea</i> , 2013, 32, 933-938.	1.7	6
41	Efficacy of Standardized and Quality-Controlled Cord Blood Serum Eye Drop Therapy in the Healing of Severe Corneal Epithelial Damage in Dry Eye. <i>Cornea</i> , 2013, 32, 412-418.	1.7	65
42	Assessment of Tear Osmolarity and Other Dry Eye Parameters in Post-LASIK Eyes. <i>Cornea</i> , 2013, 32, e142-e145.	1.7	26
43	Quantitative Analysis of Tear Film Fluorescence and Discomfort During Tear Film Instability and Thinning. , 2013, 54, 2645.		47
44	Discomfort Symptoms Reduction and Ocular Surface Parameters Recovery with Artelac Rebalance Treatment in Mild-to-moderate Dry Eye. <i>European Journal of Ophthalmology</i> , 2013, 23, 488-495.	1.3	18
45	Tear osmolarity and dry eye symptoms in diabetics. <i>Clinical Ophthalmology</i> , 2014, 8, 507.	1.8	40
46	Evaluation of Ocular Surface Temperature in Patients with Pterygium. <i>Current Eye Research</i> , 2014, 39, 359-364.	1.5	11
47	Hyperosmolar Stress Induces Neutrophil Extracellular Trap Formation: Implications for Dry Eye Disease. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 7961-7969.	3.3	58
48	Short-Time Exposure of Hyperosmolarity Triggers Interleukin-6 Expression in Corneal Epithelial Cells. <i>Cornea</i> , 2014, 33, 1342-1347.	1.7	31
49	Prospective, Multicenter, Clinical Evaluation of Point-of-Care Matrix Metalloproteinase-9 Test for Confirming Dry Eye Disease. <i>Cornea</i> , 2014, 33, 812-818.	1.7	83
50	Tear Osmolarity and Tear Film Parameters in Patients With Unilateral Pterygium. <i>Cornea</i> , 2014, 33, 1174-1178.	1.7	30
51	Correlation of Tear Osmolarity and Dry Eye Symptoms in Convention Attendees. <i>Optometry and Vision Science</i> , 2014, 91, 142-149.	1.2	22
52	Tear Osmolarity in Ocular Graft-Versus-Host Disease. <i>Cornea</i> , 2014, 33, 1252-1256.	1.7	30
53	Correlation between Tear Osmolarity and Tear Meniscus. <i>Optometry and Vision Science</i> , 2014, 91, 1419-1429.	1.2	19
54	Tear Film Osmolarity in Ocular Mucous Membrane Pemphigoid. <i>Cornea</i> , 2014, 33, 668-672.	1.7	9

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55	Investigation of Tear Osmolarity Using the TearLab Osmolarity System in Normal Adults in Saudi Arabia. <i>Eye and Contact Lens</i> , 2014, 40, 74-78.	1.6	43
56	Effect of Religious Fasting on Tear Osmolarity and Ocular Surface. <i>Eye and Contact Lens</i> , 2014, 40, 239-242.	1.6	18
57	Precision and Accuracy of TearLab Osmometer in Measuring Osmolarity of Salt Solutions. <i>Current Eye Research</i> , 2014, 39, 1247-1250.	1.5	22
58	Correlations between commonly used objective signs and symptoms for the diagnosis of dry eye disease: clinical implications. <i>Acta Ophthalmologica</i> , 2014, 92, 161-166.	1.1	280
59	Development of a new grading scale for tear ferning. <i>Contact Lens and Anterior Eye</i> , 2014, 37, 178-184.	1.7	42
60	Rethinking Dry Eye Disease: A Perspective on Clinical Implications. <i>Ocular Surface</i> , 2014, 12, S1-S31.	4.4	189
61	What is the Value of Incorporating Tear Osmolarity Measurement in Assessing Patient Response to Therapy in Dry Eye Disease?. <i>American Journal of Ophthalmology</i> , 2014, 157, 69-77.e2.	3.3	63
62	Changes in ocular factors according to depth variation and viewer age after watching a three-dimensional display. <i>British Journal of Ophthalmology</i> , 2014, 98, 684-690.	3.9	14
63	Image-guided evaluation and monitoring of treatment response in patients with dry eye disease. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 857-872.	1.9	26
64	Dry eye disease: A review of diagnostic approaches and treatments. <i>Saudi Journal of Ophthalmology</i> , 2014, 28, 173-181.	0.3	67
65	Comparison of Ocular Surface Disease Index and Tear Osmolarity as Markers of Ocular Surface Dysfunction in Video Terminal Display Workers. <i>American Journal of Ophthalmology</i> , 2014, 158, 41-48.e2.	3.3	45
66	Challenges in Using Signs and Symptoms to Evaluate New Biomarkers of Dry Eye Disease. <i>Ocular Surface</i> , 2014, 12, 2-9.	4.4	38
67	Dry eye disease in type 2 diabetes mellitus; comparison of the tear osmolarity test with other common diagnostic tests: a diagnostic accuracy study using STARD standard. <i>Journal of Diabetes and Metabolic Disorders</i> , 2015, 14, 39.	1.9	29
68	Relationships among Tear Film Stability, Osmolarity, and Dryness Symptoms. <i>Optometry and Vision Science</i> , 2015, 92, e264-e272.	1.2	47
69	Associations between signs and symptoms of dry eye disease: a systematic review. <i>Clinical Ophthalmology</i> , 2015, 9, 1719.	1.8	162
70	Tear film osmolarity and dry eye disease: a review of the literature. <i>Clinical Ophthalmology</i> , 2015, 9, 2039.	1.8	107
71	Making the diagnosis of Sjögren's syndrome in patients with dry eye. <i>Clinical Ophthalmology</i> , 2016, 10, 43.	1.8	39
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73	Improving Diagnosis and Outcomes of Sjögren's Disease through Targeting Dry Eye Patients: A Continuing Medical Education Enduring Material. <i>Ocular Surface</i> , 2015, 13, S1-S33.	4.4	1
74	Dynamics and function of the tear film in relation to the blink cycle. <i>Progress in Retinal and Eye Research</i> , 2015, 45, 132-164.	15.5	105
75	The Association Between Subjective and Objective Parameters for the Assessment of Dry-Eye Syndrome. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1467-1472.	3.3	53
76	Application of a new grading scale for tear ferning in non-dry eye and dry eye subjects. <i>Contact Lens and Anterior Eye</i> , 2015, 38, 39-43.	1.7	31
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78	Tear Osmolarity and Ocular Surface Parameters as Diagnostic Markers of Ocular Graft-Versus-Host Disease. <i>American Journal of Ophthalmology</i> , 2015, 160, 143-149.e1.	3.3	29
79	Intra-observer and inter-observer repeatability of ocular surface interferometer in measuring lipid layer thickness. <i>BMC Ophthalmology</i> , 2015, 15, 53.	1.4	54
80	The effect of antihypertensive therapy on dry eye disease. <i>Cutaneous and Ocular Toxicology</i> , 2015, 34, 117-123.	1.3	6
81	Lipid-polyethylene glycol based nano-ocular formulation of ketoconazole. <i>International Journal of Pharmaceutics</i> , 2015, 495, 276-289.	5.2	67
82	Structural and functional changes in corneal innervation after laser in situ keratomileusis and their relationship with dry eye. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 2029-2039.	1.9	66
83	Variability of Tear Osmolarity in Patients With Dry Eye. <i>JAMA Ophthalmology</i> , 2015, 133, 662.	2.5	75
84	Effects of osmoprotective eye drops on tear osmolarity in contact lens wearers. <i>Canadian Journal of Ophthalmology</i> , 2015, 50, 283-289.	0.7	13
85	Effect of Glaucoma Medication in Tear Film Osmolarity of Patients Without Symptoms of Ocular Discomfort. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 330-334.	1.4	3
86	Tear Osmolarity and Tear Function Changes in Patients with Acromegaly. <i>Current Eye Research</i> , 2015, 40, 863-869.	1.5	5
87	Dry eye disease in patients with metabolic syndrome. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2016, 37, 1334-1338.	1.1	9
88	Changes in Ocular Surface after Hematopoietic Stem Cell Transplantation. <i>Journal of Korean Ophthalmological Society</i> , 2016, 57, 1706.	0.2	1
89	Assessment of Transepidermal Water Loss From the Ocular Area in Dry Eye Disease. , 2016, 57, 4831.		9
90	The Effects of Intense Pulsed Light on Tear Osmolarity in Dry Eye Disease. <i>Journal of Clinical & Experimental Ophthalmology</i> , 2016, 07, .	0.1	1

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91	Correlation of Dry Eye Workshop Dry Eye Severity Grading System With Tear Meniscus Measurement by Optical Coherence Tomography and Tear Osmolarity. <i>Eye and Contact Lens</i> , 2016, 42, 153-157.	1.6	11
92	Measurement variability of the TearLab Osmolarity System. <i>Contact Lens and Anterior Eye</i> , 2016, 39, 353-358.	1.7	33
93	Ocular Surface Characteristics in Diabetic Children. <i>Current Eye Research</i> , 2016, 41, 1526-1531.	1.5	29
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95	Novel Diagnostics and Therapeutics in Dry Eye Disease. <i>Advances in Ophthalmology and Optometry</i> , 2016, 1, 1-20.	0.3	2
97	Effects of topical acne treatment on the ocular surface in patients with acne vulgaris. <i>Contact Lens and Anterior Eye</i> , 2016, 39, 431-434.	1.7	17
98	Tear film assessments for the diagnosis of dry eye. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 487-491.	2.3	14
99	In pursuit of objective dry eye screening clinical techniques. <i>Eye and Vision (London, England)</i> , 2016, 3, 1.	3.0	38
100	Tear Osmolarity and Tear Film Parameters in Patients With Ocular Rosacea. <i>Eye and Contact Lens</i> , 2016, 42, 347-349.	1.6	9
101	Lack of Agreement among Electrical Impedance and Freezing-Point Osmometers. <i>Optometry and Vision Science</i> , 2016, 93, 482-487.	1.2	10
102	Ocular surface disease in patients with diabetic peripheral neuropathy. <i>British Journal of Ophthalmology</i> , 2016, 100, 924-928.	3.9	45
103	Computed tear film and osmolarity dynamics on an eye-shaped domain. <i>Mathematical Medicine and Biology</i> , 2016, 33, 123-157.	1.2	19
104	Epidemiology of dry eye disease in Africa: The sparse information, gaps and opportunities. <i>Ocular Surface</i> , 2017, 15, 159-168.	4.4	17
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106	Paper-based microfluidic system for tear electrolyte analysis. <i>Lab on A Chip</i> , 2017, 17, 1137-1148.	6.0	111
107	A link between tear breakup and symptoms of ocular irritation. <i>Ocular Surface</i> , 2017, 15, 696-703.	4.4	15
108	Sjogren's syndrome from the perspective of ophthalmology. <i>Clinical Immunology</i> , 2017, 182, 55-61.	3.2	45
109	Tear osmolarity and subjective dry eye symptoms in migraine sufferers. <i>Canadian Journal of Ophthalmology</i> , 2017, 52, 513-518.	0.7	9

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110	New Diagnostics in Ocular Surface Disease. International Ophthalmology Clinics, 2017, 57, 27-46.	0.7	0
111	Comparison of the clinical efficacy of preserved and preservative-free hydroxypropyl methylcellulose-dextran-containing eyedrops. Journal of Optometry, 2017, 10, 258-264.	1.3	14
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119	Physical forces modulate cell differentiation and proliferation processes. Journal of Cellular and Molecular Medicine, 2018, 22, 738-745.	3.6	28
120	Assessment of tear film osmolarity using the TearLab [®] osmometer in normal dogs and dogs with keratoconjunctivitis sicca. Veterinary Ophthalmology, 2017, 20, 357-364.	1.0	26
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122	Increased Tear Film Osmolarity in Systemic Lupus Erythematosus. Seminars in Ophthalmology, 2017, 32, 582-587.	1.6	5
123	The effect of intravitreal injections on dry eye, and proposed management strategies. Clinical Ophthalmology, 2017, Volume 11, 1491-1497.	1.8	13
124	Analysis of Th17-associated cytokines and clinical correlations in patients with dry eye disease. PLoS ONE, 2017, 12, e0173301.	2.5	68
125	Prospective evaluation of intense pulsed light and meibomian gland expression efficacy on relieving signs and symptoms of dry eye disease due to meibomian gland dysfunction. Clinical Ophthalmology, 2017, Volume 11, 817-827.	1.8	99
126	Enhanced Tearing by Electrical Stimulation of the Anterior Ethmoid Nerve. , 2017, 58, 2341.		34
127	Effect of thermal pulsation treatment on tear film parameters in dry eye disease patients. Clinical Ophthalmology, 2017, Volume 11, 883-886.	1.8	22

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129	Randomized, masked, in vitro comparison of three commercially available tear film osmometers. Clinical Ophthalmology, 2017, Volume 11, 243-248.	1.8	28
130	Randomized comparison of in vivo performance of two point-of-care tear film osmometers. Clinical Ophthalmology, 2017, Volume 11, 945-950.	1.8	28
131	Clinical Significance of Tear Film Osmolarity for Non-Sjögren Dry Eye Diagnosis. Journal of Korean Ophthalmological Society, 2017, 58, 640.	0.2	1
132	Correlations between Tear Osmolarity and Ocular and Systemic Parameters in Primary Sjögren's Syndrome. Journal of Korean Ophthalmological Society, 2017, 58, 903.	0.2	5
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134	On tear film breakup (TBU): dynamics and imaging. Mathematical Medicine and Biology, 2018, 35, 145-180.	1.2	17
135	Ocular Surface Workup With Automated Noninvasive Measurements for the Diagnosis of Meibomian Gland Dysfunction. Cornea, 2018, 37, 740-745.	1.7	42
136	The correlation between plasma osmolarity and tear osmolarity. International Ophthalmology, 2018, 38, 493-501.	1.4	4
137	Correlations of In Vitro Assays for Assessing Cytotoxicity and Biocompatibility of Contact Lens Multipurpose Solutions. Eye and Contact Lens, 2018, 44, S97-S105.	1.6	5
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140	Contact lens to measure individual ion concentrations in tears and applications to dry eye disease. Analytical Biochemistry, 2018, 542, 84-94.	2.4	46
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144	Analysis of basal and reflex human tear osmolarity in normal subjects: assessment of tear osmolarity. Therapeutic Advances in Ophthalmology, 2018, 10, 251584141879488.	1.4	8
145	Computed flow and fluorescence over the ocular surface. Mathematical Medicine and Biology, 2018, 35, i51-i85.	1.2	3

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148	Advances in Diagnosis and Management of Dry Eye Disease. Advances in Ophthalmology and Optometry, 2019, 4, 13-38.	0.3	3
149	Dry eye is matched by increased intrasubject variability in tear osmolarity as confirmed by machine learning approach. Archivos De La Sociedad Espanola De Oftalmologia, 2019, 94, 337-342.	0.2	1
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151	Shared Medical and Environmental Risk Factors in Dry Eye Syndrome, Sjogren's Syndrome, and B-Cell Non-Hodgkin Lymphoma: A Case-Control Study. Journal of Immunology Research, 2019, 2019, 1-9.	2.2	12
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155	Ocular Clinical Signs and Diagnostic Tests Most Compatible With Keratoconjunctivitis Sicca: A Latent Class Approach. Cornea, 2020, 39, 1013-1016.	1.7	17
156	<p>Repeatability of OCT-Based versus Scheimpflug- and Reflection-Based Keratometry in Patients with Hyperosmolar and Normal Tear Film</p>. Clinical Ophthalmology, 2020, Volume 14, 3991-4003.	1.8	15
157	Dry Eye in Systemic Sclerosis Patients: Novel Methods to Monitor Disease Activity. Diagnostics, 2020, 10, 404.	2.6	5
158	Parameter Estimation for Evaporation-Driven Tear Film Thinning. Bulletin of Mathematical Biology, 2020, 82, 71.	1.9	6
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161	Tear Osmolarity in the Diagnosis of Systemic Dehydration and Dry Eye Disease. Diagnostics, 2021, 11, 387.	2.6	11
162	Lipo-PEG nano-ocular formulation successfully encapsulates hydrophilic fluconazole and traverses corneal and non-corneal path to reach posterior eye segment. Journal of Drug Targeting, 2021, 29, 631-650.	4.4	12
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165	Combined Intense Pulsed Light and Low-Level Light Therapy for the Treatment of Dry Eye: A Retrospective Beforeâ€After Study with One-Year Follow-Up. Clinical Ophthalmology, 2021, Volume 15, 2133-2140.	1.8	13
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167	Prevalence of Tear Film Hyperosmolarity in 1150 patients presenting for refractive surgery assessment. Journal of Cataract and Refractive Surgery, 2021, Publish Ahead of Print, .	1.5	0
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