

<b>Supplementary Table 1. The top one hundred most cited articles from Asia in ophthalmology journals from 1960-2019</b>					
<b>Rank</b>	<b>Total citations</b>	<b>Year</b>	<b>Article title</b>	<b>Journal</b>	<b>Authors</b>
1	1326	2014	Global prevalence of glaucoma and projections of glaucoma burden through 2040: A systematic review and meta-analysis	Ophthalmology	Tham Y.-C., <i>et al</i> <sup>1</sup>
2	672	2004	The prevalence of primary open-angle glaucoma in Japanese: The Tajimi Study	Ophthalmology	Iwase A., <i>et al</i> <sup>2</sup>
3	614	1993	Lateral interactions between spatial channels: Suppression and facilitation revealed by lateral masking experiments	Vision Research	Polat U., Sagi D. <sup>3</sup>
4	581	1995	An SV40-immortalized human corneal epithelial cell line and its characterization	Investigative Ophthalmology and Visual Science	Araki-Sasaki K., <i>et al</i> <sup>4</sup>
5	572	2000	Prevalence and risk factors for refractive errors in adult Chinese in Singapore	Investigative Ophthalmology and Visual Science	Wong T.Y., <i>et al</i> <sup>5</sup>
6	513	2004	Refractive error and visual impairment in urban children in southern China	Investigative Ophthalmology and Visual Science	He M., <i>et al</i> <sup>6</sup>
7	490	1991	The three-dimensional organization of collagen fibrils in the human cornea and sclera	Investigative Ophthalmology and Visual Science	Komai Y., Ushiki T. <sup>7</sup>

8	484	2005	Myopia and associated pathological complications	Ophthalmic and Physiological Optics	Saw S.-M., <i>et al</i> <sup>8</sup>
9	479	2010	The Prevalence of Retinal Vein Occlusion: Pooled Data from Population Studies from the United States, Europe, Asia, and Australia	Ophthalmology	Rogers S., <i>et al</i> <sup>9</sup>
10	476	2000	The prevalence of glaucoma in chinese residents of singapore: A cross-sectional population survey of the tanjong pagar district	Archives of Ophthalmology	Foster P.J., <i>et al</i> <sup>10</sup>
11	467	1991	Trabeculectomy With Mitomycin: A Comparative Study With Fluorouracil	Archives of Ophthalmology	Kitazawa Y., <i>et al</i> <sup>11</sup>
12	457	1999	Patterns of diabetic macular edema with optical coherence tomography	American Journal of Ophthalmology	Otani T., <i>et al</i> <sup>12</sup>
13	455	2002	Big-bubble technique to bare Descemet's membrane in anterior lamellar keratoplasty	Journal of Cataract and Refractive Surgery	Anwar M., Teichmann K.D. <sup>13</sup>
14	444	2000	Staining of internal limiting membrane in macular hole surgery	Archives of Ophthalmology	Kadonosono K., <i>et al</i> <sup>14</sup>
15	432	1996	Surgical reconstruction of the ocular surface in advanced ocular cicatricial pemphigoid and Stevens-Johnson syndrome	American Journal of Ophthalmology	Tsubota K., <i>et al</i> <sup>15</sup>
16	427	2000	Growth factor mRNA and protein in preserved human amniotic membrane	Current Eye Research	Koizumi N., <i>et al</i> <sup>16</sup>

17	419	2012	Diurnal variation of choroidal thickness in normal, healthy subjects measured by spectral domain optical coherence tomography	Investigative Ophthalmology and Visual Science	Tan C.S., <i>et al</i> <sup>17</sup>
18	407	2010	Choroidal thickness in healthy Japanese subjects	Investigative Ophthalmology and Visual Science	Ikuno Y., <i>et al</i> <sup>18</sup>
19	407	2001	Cultivated corneal epithelial stem cell transplantation in ocular surface disorders	Ophthalmology	Koizumi N., <i>et al</i> <sup>19</sup>
20	404	2009	Molecular pathology of age-related macular degeneration	Progress in Retinal and Eye Research	Ding X., <i>et al</i> <sup>20</sup>
21	402	2000	Refractive error study in children: Results from Shunyi District, China	American Journal of Ophthalmology	Zhao J., <i>et al</i> <sup>21</sup>
22	400	1999	Trabeculectomy with Simultaneous Topical Application of Mitomycin-C in Refractory Glaucoma	Optometry and Vision Science	Chen C.-W., <i>et al</i> <sup>22</sup>
23	392	1991	Epidemiology of glaucoma in Japan. A nationwide glaucoma survey	Japanese Journal of Ophthalmology	Shiose Y., <i>et al</i> <sup>23</sup>
24	391	1997	Amniotic membrane transplantation for ocular surface reconstruction in patients with chemical and thermal burns	Ophthalmology	Shimazaki J., <i>et al</i> <sup>24</sup>
25	390	2003	Prevalence of dry eye among an elderly Chinese population in Taiwan: The Shihpai eye study	Ophthalmology	Lin P.-Y., <i>et al</i> <sup>25</sup>
26	389	2001	Retinal microvascular abnormalities and their relationship with hypertension, cardiovascular disease, and mortality	Survey of Ophthalmology	Wong T.Y., <i>et al</i> <sup>26</sup>

27	384	2007	Clinical Characteristics of Exudative Age-related Macular Degeneration in Japanese Patients	American Journal of Ophthalmology	Maruko I., <i>et al</i> <sup>27</sup>
28	382	2011	The zone of comfort: Predicting visual discomfort with stereo displays	Journal of Vision	Shibata T., <i>et al</i> <sup>28</sup>
29	381	2000	Growth factors: Importance in wound healing and maintenance of transparency of the cornea	Progress in Retinal and Eye Research	Imanishi J., <i>et al</i> <sup>29</sup>
30	378	2012	Worldwide prevalence and risk factors for myopia	Ophthalmic and Physiological Optics	Pan C.-W., <i>et al</i> <sup>30</sup>
31	377	1994	The architecture of perceptual spatial interactions	Vision Research	Polat U., Sagi D. <sup>31</sup>
32	374	2006	Diabetic Retinopathy in a Multi-ethnic Cohort in the United States	American Journal of Ophthalmology	Wong T.Y., <i>et al</i> <sup>32</sup>
33	373	2006	Retinal vascular caliber, cardiovascular risk factors, and inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA)	Investigative Ophthalmology and Visual Science	Tien Y.W., <i>et al</i> <sup>33</sup>
34	373	2004	Uveitis in Behçet disease: An analysis of 880 patients	American Journal of Ophthalmology	Tugal-Tutkun I., <i>et al</i> <sup>34</sup>
35	372	1999	Treatment of dry eye by autologous serum application in Sjogren's syndrome	British Journal of Ophthalmology	Tsubota K., <i>et al</i> <sup>35</sup>
36	371	1982	Close Association of hla-bw51 with Behçet's Disease	Archives of Ophthalmology	Ohno S., <i>et al</i> <sup>36</sup>
37	368	1997	Epidemiology and aetiological diagnosis of corneal ulceration in Madurai, south India	British Journal of Ophthalmology	Srinivasan M., <i>et al</i> <sup>37</sup>

38	366	2011	Choroidal thickness in polypoidal choroidal vasculopathy and exudative age-related macular degeneration	Ophthalmology	Chung S.E., <i>et al</i> <sup>38</sup>
39	365	2007	Intraocular Tuberculosis-An Update	Survey of Ophthalmology	Gupta V., <i>et al</i> . <sup>39</sup>
40	358	2011	Results of small incision lenticule extraction: All-in-one femtosecond laser refractive surgery	Journal of Cataract and Refractive Surgery	Shah R., <i>et al</i> <sup>40</sup>
41	357	2006	Causes of Blindness and Visual Impairment in Urban and Rural Areas in Beijing. The Beijing Eye Study	Ophthalmology	Xu L., <i>et al</i> <sup>41</sup>
42	357	1999	Comparison of corneal wavefront aberrations after photorefractive keratectomy and laser in situ keratomileusis	American Journal of Ophthalmology	Oshika T., <i>et al</i> <sup>42</sup>
43	348	1999	Epidemiologic study of ocular refraction among schoolchildren in Taiwan in 1995	Optometry and Vision Science	Lin L.L.-K., <i>et al</i> <sup>43</sup>
44	336	1997	Effect of pterygium morphology on pterygium recurrence in a controlled trial comparing conjunctival autografting with bare sclera excision	Archives of Ophthalmology	Tan D.T.H., <i>et al</i> <sup>44</sup>
45	333	1986	Congenital Stationary Night Blindness With Negative Electroretinogram: A New Classification	Archives of Ophthalmology	Miyake Y., <i>et al</i> <sup>45</sup>
46	332	1997	Chemical injuries of the eye: Current concepts in pathophysiology and therapy	Survey of Ophthalmology	Wagoner M.D. <sup>46</sup>
47	330	2012	Everest study: Efficacy and safety of verteporfin photodynamic therapy in combination with ranibizumab or alone versus	Retina	Koh A., <i>et al</i> <sup>47</sup>

			ranibizumab monotherapy in patients with symptomatic macular polypoidal choroidal vasculopathy		
48	325	2007	High Myopia and Glaucoma Susceptibility. The Beijing Eye Study	Ophthalmology	Xu L., <i>et al</i> <sup>48</sup>
49	320	2004	Computer-assisted measurement of retinal vessel diameters in the Beaver Dam Eye Study: Methodology, correlation between eyes, and effect of refractive errors	Ophthalmology	Wong T.Y., <i>et al</i> <sup>49</sup>
50	317	2006	Electrophysiologic and retinal penetration studies following intravitreal injection of bevacizumab (Avastin)	Retina	Shahar J., <i>et al</i> <sup>50</sup>
51	317	1997	Deep lamellar keratoplasty with complete removal of pathological stroma for vision improvement	British Journal of Ophthalmology	Sugita J., Kondo J. <sup>51</sup>
52	313	2003	Polypoidal choroidal vasculopathy: Incidence, demographic features, and clinical characteristics	Archives of Ophthalmology	Sho K., <i>et al</i> <sup>52</sup>
53	312	1999	The potential angiogenic role of macrophages in the formation of choroidal neovascular membranes	Investigative Ophthalmology and Visual Science	Oh H., <i>et al</i> <sup>53</sup>
54	310	2008	Noncontact Infrared Meibography to Document Age-Related Changes of the Meibomian Glands in a Normal Population	Ophthalmology	Arita R., <i>et al</i> <sup>54</sup>
55	308	2009	Retinal Nerve Fiber Layer Imaging with Spectral-Domain Optical Coherence Tomography. A Variability and Diagnostic Performance Study	Ophthalmology	Leung C.K.-s., <i>et al</i> <sup>55</sup>

56	308	2007	Rationale and methodology for a population-based study of eye diseases in Malay people: The Singapore Malay Eye Study (SiMES)	Ophthalmic Epidemiology	Foong A.W.P., <i>et al</i> <sup>56</sup>
57	308	2003	VEGF164 is proinflammatory in the diabetic retina	Investigative Ophthalmology and Visual Science	Ishida S., <i>et al</i> <sup>57</sup>
58	304	1995	Ocular Surface Changes and Discomfort in Patients With Meibomian Gland Dysfunction	Archives of Ophthalmology	Shimazaki J., <i>et al</i> <sup>58</sup>
59	299	2002	Polypoidal choroidal vasculopathy: Natural history	American Journal of Ophthalmology	Uyama M., <i>et al</i> <sup>59</sup>
60	298	2010	Subfoveal choroidal thickness after treatment of central serous chorioretinopathy	Ophthalmology	Maruko I., <i>et al</i> <sup>60</sup>
61	298	2010	Cerebrospinal Fluid Pressure in Glaucoma. A Prospective Study	Ophthalmology	Ren R., <i>et al</i> <sup>61</sup>
62	296	2009	International criteria for the diagnosis of ocular sarcoidosis: Results of the first international workshop on ocular sarcoidosis (IWOS)	Ocular Immunology and Inflammation	Herbert C.P., <i>et al</i> <sup>62</sup>
63	296	2002	Impaired functional visual acuity of dry eye patients	American Journal of Ophthalmology	Goto E., <i>et al</i> <sup>63</sup>
64	295	1996	Vitrectomy for diffuse macular edema in cases of diabetic retinopathy	American Journal of Ophthalmology	Tachi N., Ogino N. <sup>64</sup>
65	293	2015	Optical coherence tomography angiography in diabetic retinopathy: A prospective pilot study	American Journal of Ophthalmology	Ishibazawa A., <i>et al</i> <sup>65</sup>

66	290	2015	Optical coherence tomography angiography of the peripapillary retina in glaucoma	JAMA Ophthalmology	Liu L., Jia Y., <i>et al</i> <sup>66</sup>
67	289	2002	The epidemiological features and laboratory results of fungal keratitis: A 10-year review at a referral eye care center in South India	Cornea	Gopinathan U., <i>et al</i> <sup>67</sup>
68	289	2002	Nearwork in early-onset myopia	Investigative Ophthalmology and Visual Science	Saw S.-M., <i>et al</i> <sup>68</sup>
69	286	2006	Aqueous humor levels of vascular endothelial growth factor and pigment epithelium-derived factor in polypoidal choroidal vasculopathy and choroidal neovascularization	American Journal of Ophthalmology	Tong J.-P., <i>et al</i> <sup>69</sup>
70	285	2013	Subfoveal choroidal thickness: The Beijing Eye Study	Ophthalmology	Wei W.B., <i>et al</i> <sup>70</sup>
71	285	2004	Prevalence, incidence, and progression of myopia of school children in Hong Kong	Investigative Ophthalmology and Visual Science	Fan D.S.P., <i>et al</i> <sup>71</sup>
72	282	2005	Current concepts in the etiology and treatment of Behçet disease	Survey of Ophthalmology	Evereklioglu C. <sup>72</sup>
73	278	2000	Refractive error study in children: RESULTS from Mechi Zone, Nepal	American Journal of Ophthalmology	Pokharel G.P., <i>et al</i> <sup>73</sup>
74	278	1996	Roles of vascular endothelial growth factor and astrocyte degeneration in the genesis of retinopathy of prematurity	Investigative Ophthalmology and Visual Science	Stone J., <i>et al</i> <sup>74</sup>



75	276	1998	Transplantation of amniotic membrane and limbal autograft for patients with recurrent pterygium associated with symblepharon	British Journal of Ophthalmology	Shimazaki J., <i>et al</i> <sup>75</sup>
76	275	2005	The longitudinal orthokeratology research in children (LORIC) in Hong Kong: A pilot study on refractive changes and myopic control	Current Eye Research	Cho P., <i>et al</i> <sup>76</sup>
77	275	2001	Effects of Rho-associated protein kinase inhibitor Y-27632 on intraocular pressure and outflow facility	Investigative Ophthalmology and Visual Science	Honjo M., <i>et al</i> <sup>77</sup>
78	274	2006	Intravitreal Bevacizumab for the Management of Choroidal Neovascularization in Age-related Macular Degeneration	American Journal of Ophthalmology	Bashshur Z.F., <i>et al</i> <sup>78</sup>
79	274	2006	Prevalence and Causes of Low Vision and Blindness in a Japanese Adult Population. The Tajimi Study	Ophthalmology	Iwase A., <i>et al</i> <sup>79</sup>
80	274	1999	Foveal retinoschisis and retinal detachment in severely myopic eyes with posterior staphyloma	American Journal of Ophthalmology	Takano M., Kishi S. <sup>80</sup>
81	272	2002	Increased levels of vascular endothelial growth factor and interleukin-6 in the aqueous humor of diabetics with macular edema	American Journal of Ophthalmology	Funatsu H., <i>et al</i> <sup>81</sup>
82	265	1999	Treatment of persistent corneal epithelial defect by autologous serum application	Ophthalmology	Tsubota K., <i>et al</i> <sup>82</sup>
83	265	1993	Focal visual attention produces illusory temporal order and motion sensation	Vision Research	Hikosaka O., <i>et al</i> <sup>83</sup>
84	264	2001	Does education explain ethnic differences in myopia prevalence? A population-based study of young adult males in Singapore	Optometry and Vision Science	Wu H.-M., <i>et al</i> <sup>84</sup>

85	263	2011	Subfoveal choroidal thickness after treatment of Vogt-Koyanagi-Harada disease	Retina	Maruko I., <i>et al</i> <sup>85</sup>
86	263	2002	Transplantation of human limbal epithelium cultivated on amniotic membrane for the treatment of severe ocular surface disorders	Ophthalmology	Shimazaki J., <i>et al</i> <sup>86</sup>
87	262	2008	Refractive Errors in an Elderly Japanese Population. The Tajimi Study	Ophthalmology	Sawada A., <i>et al</i> <sup>87</sup>
88	261	2004	Photodynamic therapy with verteporfin for symptomatic polypoidal choroidal vasculopathy: One-year results of a prospective case series	Ophthalmology	Chan W.-M., <i>et al</i> <sup>88</sup>
89	259	2006	Prevalence and clinical characteristics of glaucoma in adult Chinese: A population-based study in Liwan District, Guangzhou	Investigative Ophthalmology and Visual Science	He M., <i>et al</i> <sup>89</sup>
90	259	2003	Fungal infections of the cornea	Eye	Thomas P.A. <sup>90</sup>
91	257	2002	Deep lamellar keratoplasty: Surgical techniques for anterior lamellar keratoplasty with and without baring of Descemet's membrane	Cornea	Anwar M., Teichmann K.D. <sup>91</sup>
92	255	2000	Angle-closure glaucoma in an urban population in Southern India: The Andhra Pradesh Eye Disease Study	Ophthalmology	Dandona L., <i>et al</i> <sup>92</sup>
93	254	2000	Amniotic membrane patching promotes healing and inhibits proteinase activity on wound healing following acute corneal alkali burn	Experimental Eye Research	Kim J.S., <i>et al</i> <sup>93</sup>

94	253	2005	Prevalence of diabetic retinopathy in urban India: The Chennai Urban Rural Epidemiology Study (CURES) Eye Study, I	Investigative Ophthalmology and Visual Science	Rema M., <i>et al</i> <sup>94</sup>
95	252	2006	Relationship between cognitive impairment and retinal morphological and visual functional abnormalities in Alzheimer disease	Journal of Neuro-Ophthalmology	Iseri P.K., <i>et al</i> <sup>95</sup>
96	252	2001	Immunogenicity of human amniotic membrane in experimental xenotransplantation	Investigative Ophthalmology and Visual Science	Kubo M., <i>et al</i> <sup>96</sup>
97	251	2003	Choroidal vascular remodelling in central serous chorioretinopathy after indocyanine green guided photodynamic therapy with verteporfin: A novel treatment at the primary disease level	British Journal of Ophthalmology	Chan W.-M., <i>et al</i> <sup>97</sup>
98	251	2001	Blindness in the Indian state of Andhra Pradesh	Investigative Ophthalmology and Visual Science	Dandona L., <i>et al</i> <sup>98</sup>
99	249	2008	Prevalence and Risk Factors for Diabetic Retinopathy. The Singapore Malay Eye Study	Ophthalmology	Wong T.Y., <i>et al</i> <sup>99</sup>
100	249	2008	Blood-retinal barrier in hypoxic ischaemic conditions: Basic concepts, clinical features and management	Progress in Retinal and Eye Research	Kaur C., <i>et al</i> <sup>100</sup>

Supplementary Table 2. The top one hundred most cited articles from Asia in general medical journals from 1960-2019					
Rank	Total citations	Year	Article title	Journal	Authors
1	2628	1995	Intensive insulin therapy prevents the progression of diabetic microvascular complications in Japanese patients with non-insulin-dependent diabetes mellitus: a randomized prospective 6-year study	Diabetes Research and Clinical Practice	Ohkubo Y., <i>et al</i> <sup>101</sup>
2	1476	2012	Global prevalence and major risk factors of diabetic retinopathy	Diabetes Care	Yau J.W.Y., <i>et al</i> <sup>102</sup>
3	1326	1995	Vascular endothelial growth factor acts as a survival factor for newly formed retinal vessels and has implications for retinopathy of prematurity	Nature Medicine	Alon T., <i>et al</i> <sup>103</sup>
4	946	2014	Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: A systematic review and meta-analysis	The Lancet Global Health	Wong W.L., <i>et al</i> <sup>104</sup>
5	893	2010	Diabetic retinopathy	Lancet	Cheung N., <i>et al</i> <sup>105</sup>
6	792	2012	Age-related macular degeneration	Lancet	Lim L.S., <i>et al</i> <sup>106</sup>
7	585	2012	Myopia	Lancet	Morgan I.G., <i>et al</i> <sup>107</sup>
8	551	2001	Retinal microvascular abnormalities and incident stroke: the Atherosclerosis Risk in Communities Study	Lancet	Wong T.Y., <i>et al</i> <sup>108</sup>
9	485	2004	Prevalence of Myopia in Taiwanese Schoolchildren: 1983 to 2000	Annals of the Academy of Medicine Singapore	Lin L.L.K., <i>et al</i> <sup>109</sup>
10	466	2002	A common polymorphism in the 5'-untranslated region of the VEGF gene is associated with diabetic retinopathy in type 2 diabetes	Diabetes	Awata T., <i>et al</i> <sup>110</sup>

11	431	2004	Hypertensive retinopathy	New England Journal of Medicine	Wong T.Y., Mitchell P. <sup>111</sup>
12	397	1999	Treatment of severe ocular-surface disorders with corneal epithelial stem-cell transplantation	New England Journal of Medicine	Tsubota K., <i>et al</i> <sup>112</sup>
13	391	1995	Hypoxia-induced expression of vascular endothelial growth factor by retinal cells is a common factor in neovascularizing ocular diseases	Laboratory Investigation	Pe'er J., <i>et al</i> <sup>113</sup>
14	387	1999	Contributions of polyol pathway to oxidative stress in diabetic cataract	FASEB Journal	Lee A.Y.W., Chung S.S.M. <sup>114</sup>
15	374	2002	Cerebral white matter lesions, retinopathy, and incident clinical stroke	Journal of the American Medical Association	Wong T.Y., <i>et al</i> <sup>115</sup>
16	368	2005	Erythropoietin as a retinal angiogenic factor in proliferative diabetic retinopathy	New England Journal of Medicine	Watanabe D., <i>et al</i> <sup>116</sup>
17	352	2017	Autologous induced stem-cell-derived retinal cells for macular degeneration	New England Journal of Medicine	Mandai M., <i>et al</i> <sup>117</sup>
18	349	1996	Epidemiology of myopia	Epidemiologic Reviews	Saw S.-M., <i>et al</i> <sup>118</sup>
19	334	2007	Klebsiella pneumoniae genotype K1: An emerging pathogen that causes septic ocular or central nervous system complications from pyogenic liver abscess	Clinical Infectious Diseases	Fang C.-T., <i>et al</i> <sup>119</sup>
20	302	2001	Early-onset ataxia with ocular motor apraxia and hypoalbuminemia is caused by mutations in a new HIT superfamily gene	Nature Genetics	Date H., <i>et al</i> <sup>120</sup>
21	279	2006	Drusen, choroidal neovascularization, and retinal pigment epithelium dysfunction in SOD1-deficient mice: A model of age-related macular degeneration	Proceedings of the National Academy of Sciences of the United States of America	Imamura Y., <i>et al</i> <sup>121</sup>

22	276	2008	Automatic detection of diabetic retinopathy exudates from non-dilated retinal images using mathematical morphology methods	Computerized Medical Imaging and Graphics	Sopharak A., <i>et al</i> <sup>122</sup>
23	265	1995	Demonstration that polyol accumulation is responsible for diabetic cataract by the use of transgenic mice expressing the aldose reductase gene in the lens	Proceedings of the National Academy of Sciences of the United States of America	Lee A.Y.W., <i>et al</i> <sup>123</sup>
24	264	2013	Superpixel classification based optic disc and optic cup segmentation for glaucoma screening	IEEE Transactions on Medical Imaging	Cheng J., <i>et al</i> <sup>124</sup>
25	259	2017	Development and validation of a deep learning system for diabetic retinopathy and related eye diseases using retinal images from multiethnic populations with diabetes	JAMA - Journal of the American Medical Association	Ting D.S.W., <i>et al</i> <sup>125</sup>
26	253	2001	Vaccination for protection of retinal ganglion cells against death from glutamate cytotoxicity and ocular hypertension: Implications for glaucoma	Proceedings of the National Academy of Sciences of the United States of America	Schori H., <i>et al</i> <sup>126</sup>
27	251	2001	Human ocular dominance columns as revealed by high-field functional magnetic resonance imaging	Neuron	Cheng K., <i>et al</i> <sup>127</sup>
28	235	2015	Effect of time spent outdoors at school on the development of myopia among children in China a randomized clinical trial	JAMA - Journal of the American Medical Association	He M., <i>et al</i> <sup>128</sup>
29	230	2001	Motion-induced blindness in normal observers	Nature	Bonneh Y.S., <i>et al</i> <sup>129</sup>
30	228	2011	Optic disk and cup segmentation from monocular color retinal images for glaucoma assessment	IEEE Transactions on Medical Imaging	Joshi G.D., <i>et al</i> <sup>130</sup>

31	223	1998	Meta-analysis of association of insertion/deletion polymorphism of angiotensin I-converting enzyme gene with diabetic nephropathy and retinopathy	Diabetologia	Fujisawa T., <i>et al</i> <sup>131</sup>
32	221	2002	Mutant DNA-binding domain of HSF4 is associated with autosomal dominant lamellar and Marner cataract	Nature Genetics	Bu L., <i>et al</i> <sup>132</sup>
33	214	2008	Ocular adnexal IgG4-related disease has uniform clinicopathology	Pathology International	Sato Y., <i>et al</i> <sup>133</sup>
34	212	2008	Ocular adnexal lymphoma associated with IgG4+ chronic sclerosing dacryoadenitis: A previously undescribed complication of IgG4-related sclerosing disease	American Journal of Surgical Pathology	Cheuk W., <i>et al</i> <sup>134</sup>
35	211	2001	Novel mechanism for age-related macular degeneration: An equilibrium shift between the angiogenesis factors VEGF and PEDF	Journal of Cellular Physiology	Ohno-Matsui K., <i>et al</i> <sup>135</sup>
36	207	1999	Mutations in SLC4A4 cause permanent isolated proximal renal tubular acidosis with ocular abnormalities	Nature Genetics	Igarashi T., <i>et al</i> <sup>136</sup>
37	206	1992	Relationships between orientation-preference pinwheels, cytochrome oxidase blobs, and ocular-dominance columns in primate striate cortex	Proceedings of the National Academy of Sciences of the United States of America	Bartfeld E., Grinvald A. <sup>137</sup>
38	204	2003	The critical role of ocular-infiltrating macrophages in the development of choroidal neovascularization	Journal of Leukocyte Biology	Tsutsumi C., <i>et al</i> <sup>138</sup>
39	202	2012	Current epidemiology of diabetic retinopathy and diabetic macular edema	Current Diabetes Reports	Ding J., Wong T.Y. <sup>139</sup>
40	202	2001	Epidemiologic study of the prevalence and severity of myopia among schoolchildren in Taiwan in 2000	Journal of the Formosan Medical Association	Lin L.L.-K., <i>et al</i> <sup>140</sup>

41	199	2007	The potential role of glutamate transporters in the pathogenesis of normal tension glaucoma	Journal of Clinical Investigation	Harada T., <i>et al</i> <sup>141</sup>
42	197	1994	Neural activity in cortical area MST of alert monkey during ocular following responses	Journal of Neurophysiology	Kawano K., <i>et al</i> <sup>142</sup>
43	184	2003	HLF/HIF-2_ is a key factor in retinopathy of prematurity in association with erythropoietin	EMBO Journal	Morita M., <i>et al</i> <sup>143</sup>
44	182	2011	Automated diagnosis of glaucoma using texture and higher order spectra features	IEEE Transactions on Information Technology in Biomedicine	Acharya U.R., <i>et al</i> <sup>144</sup>
45	177	2017	Wearable smart sensor systems integrated on soft contact lenses for wireless ocular diagnostics	Nature Communications	Kim J., <i>et al</i> <sup>145</sup>
46	175	2013	Computer-aided diagnosis of diabetic retinopathy: A review	Computers in Biology and Medicine	Mookiah M.R.K., <i>et al</i> <sup>146</sup>
47	170	2009	Automated diagnosis of glaucoma using digital fundus images	Journal of Medical Systems	Nayak J., <i>et al</i> <sup>147</sup>
48	160	2004	CNTF promotes survival of retinal ganglion cells after induction of ocular hypertension in rats: The possible involvement of STAT3 pathway	European Journal of Neuroscience	Ji J.-Z., <i>et al</i> <sup>148</sup>
49	160	2015	Treatment of macular degeneration using embryonic stem cell-derived retinal pigment epithelium: Preliminary results in Asian patients	Stem Cell Reports	Song W.K., <i>et al</i> <sup>149</sup>
50	159	2005	The potential role of amyloid in the pathogenesis of age-related macular degeneration	Journal of Clinical Investigation	Yoshida T., <i>et al</i> <sup>150</sup>
51	156	2000	An immunohistochemical study of neuronal and glial cell reactions in retinae of rats with experimental glaucoma	Experimental Brain Research	Wang X., <i>et al</i> <sup>151</sup>



52	150	2002	Primary angle closure glaucoma in Chinese and western populations	Chinese Medical Journal	Wang N., <i>et al</i> <sup>152</sup>
53	150	2006	High frequency of open-angle glaucoma in Japanese patients with Alzheimer's disease	Journal of the Neurological Sciences	Tamura H., <i>et al</i> <sup>153</sup>
54	147	2008	Automated identification of diabetic retinopathy stages using digital fundus images	Journal of Medical Systems	Nayak J., <i>et al</i> <sup>154</sup>
55	147	2012	Data mining technique for automated diagnosis of glaucoma using higher order spectra and wavelet energy features	Knowledge-Based Systems	Mookiah M.R.K., <i>et al</i> <sup>155</sup>
56	146	1995	An (A-C)(n) dinucleotide repeat polymorphic marker at the 5' end of the aldose reductase gene is associated with early-onset diabetic retinopathy in NIDDM patients	Diabetes	Ko B.C.-B., <i>et al</i> <sup>156</sup>
57	146	1982	A computer method of understanding ocular fundus images	Pattern Recognition	Akita K., Kuga H. <sup>157</sup>
58	145	2005	Incidence, risk factors of retinopathy of prematurity among very low birth weight infants in Singapore	Annals of the Academy of Medicine Singapore	Shah V.A., <i>et al</i> <sup>158</sup>
59	141	2008	Identification of different stages of diabetic retinopathy using retinal optical images	Information Sciences	Yun W.L., <i>et al</i> <sup>159</sup>
60	140	2008	Ocular vestibular evoked myogenic potentials to bone conducted vibration of the midline forehead at Fz in healthy subjects	Clinical Neurophysiology	Iwasaki S., <i>et al</i> <sup>160</sup>
61	140	2003	Nuclear cataract caused by a lack of DNA degradation in the mouse eye lens	Nature	Nishimoto S., <i>et al</i> <sup>161</sup>
62	139	2002	Simvastatin retards progression of retinopathy in diabetic patients with hypercholesterolemia	Diabetes Research and Clinical Practice	Sen K., <i>et al</i> <sup>162</sup>
63	139	2000	A new spontaneously diabetic non-obese torii rat strain with severe ocular complications	Experimental Diabetes Research	Shinohara M., <i>et al</i> <sup>163</sup>

64	137	2009	Automatic exudate detection from non-dilated diabetic retinopathy retinal images using Fuzzy C-means clustering	Sensors	Sopharak A., <i>et al</i> <sup>164</sup>
65	136	2001	Significant acceleration of 6 <sup>l</sup> -azaelectrocyclization resulting from a remarkable substituent effect and formal synthesis of the ocular age pigment A2-E by a new method for substituted pyridine synthesis	Journal of Organic Chemistry	Tanaka K., <i>et al</i> <sup>165</sup>
66	136	2002	Preparation of controlled release ophthalmic drops, for glaucoma therapy using thermosensitive poly-N-isopropylacrylamide	Biomaterials	Hsiue G.-H., <i>et al</i> <sup>166</sup>
67	135	2006	No association between complement factor H gene polymorphism and exudative age-related macular degeneration in Japanese	Human Genetics	Gotoh N., <i>et al</i> <sup>167</sup>
68	135	2012	Algorithms for the automated detection of diabetic retinopathy using digital fundus images: A review	Journal of Medical Systems	Faust O., <i>et al</i> <sup>168</sup>
69	132	2011	Exome sequencing identifies ZNF644 mutations in high myopia	PLoS Genetics	Shi Y., <i>et al</i> <sup>169</sup>
70	131	2000	Ketorolac entrapped in polymeric micelles: Preparation, characterisation and ocular anti-inflammatory studies	International Journal of Pharmaceutics	Gupta A.K., <i>et al</i> <sup>170</sup>
71	130	2003	Radiotherapy for extranodal, marginal zone, B-cell lymphoma of mucosa-associated lymphoid tissue originating in the ocular adnexa: A multiinstitutional, retrospective review of 50 patients	Cancer	Uno T., <i>et al</i> <sup>171</sup>
72	127	2004	Intracellularly expressed TLR2s and TLR4s contribution to an immunosilent environment at the ocular mucosal epithelium	Journal of Immunology	Ueta M., <i>et al</i> <sup>172</sup>
73	126	2006	A Reanalysis of atomic-bomb cataract data, 2000-2002: A threshold analysis	Health Physics	Nakashima E., <i>et al</i> <sup>173</sup>
74	125	1997	Ocular vascular endothelial growth factor levels in diabetic rats are elevated before observable retinal proliferative changes	Diabetologia	Sone H., <i>et al</i> <sup>174</sup>

75	123	2007	Postoperative cataract cases among atomic bomb survivors: Radiation dose response and threshold	Radiation Research	Neriishi K., <i>et al</i> <sup>175</sup>
76	123	1983	Effects of vestibulocerebellar lesions upon dynamic characteristics and adaptation of vestibulo-ocular and optokinetic responses in pigmented rabbits	Experimental Brain Research	Nagao S. <sup>176</sup>
77	122	2002	Acetazolamide: Future perspective in topical glaucoma therapeutics	International Journal of Pharmaceutics	Kaur I.P., <i>et al</i> <sup>177</sup>
78	122	2011	Sema3E-PlexinD1 signaling selectively suppresses disoriented angiogenesis in ischemic retinopathy in mice	Journal of Clinical Investigation	Fukushima Y., <i>et al</i> <sup>178</sup>
79	120	1995	Angiotensin I-converting enzyme gene polymorphism is associated with myocardial infarction, but not with retinopathy or nephropathy, in NIDDM	Diabetes Care	Fujisawa T., <i>et al</i> <sup>179</sup>
80	118	2001	Clinical, histopathological, and immunogenetic analysis of ocular adnexal lymphoproliferative disorders: Characterization of MALT lymphoma and reactive lymphoid hyperplasia	Modern Pathology	Mannami T., <i>et al</i> <sup>180</sup>
81	118	2016	Diabetic retinopathy	Nature Reviews Disease Primers	Wong T.Y., <i>et al</i> <sup>181</sup>
82	117	2000	Mutations of a human homologue of the Drosophila eyes absent gene (EYA1) detected in patients with congenital cataracts and ocular anterior segment anomalies	Human Molecular Genetics	Azuma N., <i>et al</i> <sup>182</sup>
83	117	2010	Preservation, sterilization and de-epithelialization of human amniotic membrane for use in ocular surface reconstruction	Biomaterials	Riau A.K., <i>et al</i> <sup>183</sup>

84	115	2009	Relationship between glycated haemoglobin and microvascular complications: Is there a natural cut-off point for the diagnosis of diabetes?	Diabetologia	Sabanayagam C., <i>et al</i> <sup>184</sup>
85	114	2005	Molecular composition of drusen and possible involvement of anti-retinal autoimmunity in two different forms of macular degeneration in cynomolgus monkey ( <i>Macaca fascicularis</i> )	FASEB Journal	Umeda S., <i>et al</i> <sup>185</sup>
86	114	2013	Identification and classification of microaneurysms for early detection of diabetic retinopathy	Pattern Recognition	Akram M.U., <i>et al</i> <sup>186</sup>
87	114	2008	Application of higher order spectra for the identification of diabetes retinopathy stages	Journal of Medical Systems	Acharya U R., <i>et al</i> <sup>187</sup>
88	113	2007	Neuroprotective effects of <i>Lycium barbarum</i> Lynn on protecting retinal ganglion cells in an ocular hypertension model of glaucoma	Experimental Neurology	Chan H.-C., <i>et al</i> <sup>188</sup>
89	113	2014	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma	Nature Genetics	Hysi P.G., <i>et al</i> <sup>189</sup>
90	113	2012	Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma	Nature Genetics	Vithana E.N., <i>et al</i> <sup>190</sup>
91	113	2005	Involvement of inflammation, degradation, and apoptosis in a mouse model of glaucoma	Journal of Biological Chemistry	Zhou X., <i>et al</i> <sup>191</sup>
92	113	1983	Associations among cataract prevalence, sunlight hours, and altitude in the himalayas	American Journal of Epidemiology	Brilliant L.B., <i>et al</i> <sup>192</sup>
93	112	2011	Curcumin prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms	Journal of Ocular Pharmacology and Therapeutics	Gupta S.K., <i>et al</i> <sup>193</sup>

94	111	1992	Myopia and educational attainment in 421,116 young Singaporean males.	Annals of the Academy of Medicine, Singapore	Tay M.T., <i>et al</i> <sup>194</sup>
95	109	2005	Aldose reductase in diabetic microvascular complications	Current Drug Targets	Chung S.S.M., Chung S.K. <sup>195</sup>
96	107	2003	Lycopene attenuates oxidative stress induced experimental cataract development: An in vitro and in vivo study	Nutrition	Gupta S.K., <i>et al</i> <sup>196</sup>
97	106	2012	Lutein and zeaxanthin intake and the risk of age-related macular degeneration: A systematic review and meta-analysis	British Journal of Nutrition	Ma L., <i>et al</i> <sup>197</sup>
98	106	2009	A genome-wide association analysis identified a novel susceptible locus for pathological myopia at 11q24.1	PLoS Genetics	Nakanishi H., <i>et al</i> <sup>198</sup>
99	106	2006	Revision of visual impairment definitions in the International Statistical Classification of Disease	BMC Medicine	Dandona L., Dandona R. <sup>199</sup>
100	105	2007	Influence of meteorological conditions and particulate matter on visual range impairment in Jinan, China	Science of the Total Environment	Yang L.X., <i>et al</i> <sup>200</sup>

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