

# Georgios Ponirakis

## List of Publications by Year in descending order

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98  
papers

3,438  
citations

186209

28  
h-index

175177

52  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corneal Confocal Microscopy Detects Early Nerve Regeneration in Diabetic Neuropathy After Simultaneous Pancreas and Kidney Transplantation. <i>Diabetes</i> , 2013, 62, 254-260.	0.3	220
2	Small Nerve Fiber Quantification in the Diagnosis of Diabetic Sensorimotor Polyneuropathy: Comparing Corneal Confocal Microscopy With Intraepidermal Nerve Fiber Density. <i>Diabetes Care</i> , 2015, 38, 1138-1144.	4.3	200
3	Rapid Automated Diagnosis of Diabetic Peripheral Neuropathy With In Vivo Corneal Confocal Microscopy. , 2014, 55, 2071.		189
4	Corneal Nerve Loss Detected With Corneal Confocal Microscopy Is Symmetrical and Related to the Severity of Diabetic Polyneuropathy. <i>Diabetes Care</i> , 2013, 36, 3646-3651.	4.3	150
5	Repeatability of In Vivo Corneal Confocal Microscopy to Quantify Corneal Nerve Morphology. <i>Cornea</i> , 2013, 32, e83-e89.	0.9	148
6	Corneal Confocal Microscopy Detects Neuropathy in Subjects With Impaired Glucose Tolerance. <i>Diabetes Care</i> , 2014, 37, 2643-2646.	4.3	137
7	Diagnostic utility of corneal confocal microscopy and intra-epidermal nerve fibre density in diabetic neuropathy. <i>PLoS ONE</i> , 2017, 12, e0180175.	1.1	123
8	Corneal Confocal Microscopy Identifies Small-Fiber Neuropathy in Subjects With Impaired Glucose Tolerance Who Develop Type 2 Diabetes. <i>Diabetes Care</i> , 2015, 38, 1502-1508.	4.3	120
9	Small fiber neuropathy in Parkinson's disease: A clinical, pathological and corneal confocal microscopy study. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 1454-1460.	1.1	117
10	Early nerve fibre regeneration in individuals with type 1 diabetes after simultaneous pancreas and kidney transplantation. <i>Diabetologia</i> , 2019, 62, 1478-1487.	2.9	91
11	An artificial intelligence-based deep learning algorithm for the diagnosis of diabetic neuropathy using corneal confocal microscopy: a development and validation study. <i>Diabetologia</i> , 2020, 63, 419-430.	2.9	88
12	Corneal Confocal Microscopy Detects Small Fibre Neuropathy in Patients with Upper Gastrointestinal Cancer and Nerve Regeneration in Chemotherapy Induced Peripheral Neuropathy. <i>PLoS ONE</i> , 2015, 10, e0139394.	1.1	86
13	Diagnosing Diabetic Neuropathy: Something Old, Something New. <i>Diabetes and Metabolism Journal</i> , 2018, 42, 255.	1.8	85
14	Longitudinal assessment of neuropathy in type 1 diabetes using novel ophthalmic markers (LANDMark): Study design and baseline characteristics. <i>Diabetes Research and Clinical Practice</i> , 2014, 104, 248-256.	1.1	74
15	The Inferior Whorl For Detecting Diabetic Peripheral Neuropathy Using Corneal Confocal Microscopy. , 2015, 56, 2498.		73
16	Corneal confocal microscopy: ready for prime time. <i>Australasian journal of optometry</i> , The, 2020, 103, 265-277.	0.6	73
17	Corneal Confocal Microscopy: An Imaging Endpoint for Axonal Degeneration in Multiple Sclerosis. , 2017, 58, 3677.		68
18	Corneal Nerve Fractal Dimension: A Novel Corneal Nerve Metric for the Diagnosis of Diabetic Sensorimotor Polyneuropathy. , 2018, 59, 1113.		64

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19	Visual complications in diabetes mellitus: beyond retinopathy. <i>Diabetic Medicine</i> , 2017, 34, 478-484.	1.2	63
20	Diagnosis of Neuropathy and Risk Factors for Corneal Nerve Loss in Type 1 and Type 2 Diabetes: A Corneal Confocal Microscopy Study. <i>Diabetes Care</i> , 2021, 44, 150-156.	4.3	60
21	Spinal Disinhibition in Experimental and Clinical Painful Diabetic Neuropathy. <i>Diabetes</i> , 2017, 66, 1380-1390.	0.3	58
22	Corneal Confocal Microscopy Shows an Improvement in Small-Fiber Neuropathy in Subjects With Type 1 Diabetes on Continuous Subcutaneous Insulin Infusion Compared With Multiple Daily Injection. <i>Diabetes Care</i> , 2015, 38, e3-e4.	4.3	56
23	Association of corneal nerve fiber measures with cognitive function in dementia. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 689-697.	1.7	56
24	Corneal confocal microscopy identifies corneal nerve fibre loss and increased dendritic cells in patients with long COVID. <i>British Journal of Ophthalmology</i> , 2022, 106, 1635-1641.	2.1	52
25	Hypertension Contributes to Neuropathy in Patients With Type 1 Diabetes. <i>American Journal of Hypertension</i> , 2019, 32, 796-803.	1.0	46
26	Early Detection of Diabetic Peripheral Neuropathy: A Focus on Small Nerve Fibres. <i>Diagnostics</i> , 2021, 11, 165.	1.3	46
27	Effect of treatment with exenatide and pioglitazone or basal-bolus insulin on diabetic neuropathy: a substudy of the Qatar Study. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001420.	1.2	40
28	The diagnostic accuracy of Neuropad <sup>®</sup> for assessing large and small fibre diabetic neuropathy. <i>Diabetic Medicine</i> , 2014, 31, 1673-1680.	1.2	37
29	NerveCheck: An inexpensive quantitative sensory testing device for patients with diabetic neuropathy. <i>Diabetes Research and Clinical Practice</i> , 2016, 113, 101-107.	1.1	32
30	Bariatric surgery leads to an improvement in small nerve fibre damage in subjects with obesity. <i>International Journal of Obesity</i> , 2021, 45, 631-638.	1.6	31
31	Prevalence and risk factors for painful diabetic neuropathy in secondary healthcare in Qatar. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1558-1564.	1.1	30
32	Small-fibre neuropathy in men with type 1 diabetes and erectile dysfunction: a cross-sectional study. <i>Diabetologia</i> , 2017, 60, 1094-1101.	2.9	29
33	An update on the diagnosis and treatment of diabetic somatic and autonomic neuropathy. <i>F1000Research</i> , 2019, 8, 186.	0.8	29
34	Vitamin D deficiency is associated with painful diabetic neuropathy. <i>Diabetes/Metabolism Research and Reviews</i> , 2021, 37, e3361.	1.7	29
35	Corneal Confocal Microscopy: A Biomarker for Diabetic Peripheral Neuropathy. <i>Clinical Therapeutics</i> , 2021, 43, 1457-1475.	1.1	29
36	Metformin Use Is Not Associated With B12 Deficiency or Neuropathy in Patients With Type 2 Diabetes Mellitus in Qatar. <i>Frontiers in Endocrinology</i> , 2018, 9, 248.	1.5	27

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37	Prevalence and management of diabetic neuropathy in secondary care in Qatar. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3286.	1.7	26
38	Corneal Confocal Microscopy Detects Corneal Nerve Damage in Patients Admitted With Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 3012-3018.	1.0	24
39	Corneal confocal microscopy detects severe small fiber neuropathy in diabetic patients with Charcot neuroarthropathy. <i>Journal of Diabetes Investigation</i> , 2018, 9, 1167-1172.	1.1	23
40	Corneal confocal microscopy for the diagnosis of diabetic peripheral neuropathy: A systematic review and meta-analysis. <i>Journal of Diabetes Investigation</i> , 2022, 13, 134-147.	1.1	22
41	Automated Quantification of Neuropad Improves Its Diagnostic Ability in Patients with Diabetic Neuropathy. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-7.	1.0	20
42	Corneal Nerve and Brain Imaging in Mild Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1533-1543.	1.2	20
43	Corneal confocal microscopy identifies small fibre damage and progression of diabetic neuropathy. <i>Scientific Reports</i> , 2021, 11, 1859.	1.6	20
44	The Utility of Corneal Nerve Fractal Dimension Analysis in Peripheral Neuropathies of Different Etiology. <i>Translational Vision Science and Technology</i> , 2020, 9, 43.	1.1	19
45	Peripheral neuropathy in patients with multiple sclerosis. <i>PLoS ONE</i> , 2018, 13, e0193270.	1.1	19
46	Corneal Confocal Microscopy detects a Reduction in Corneal Endothelial Cells and Nerve Fibres in Patients with Acute Ischemic Stroke. <i>Scientific Reports</i> , 2018, 8, 17333.	1.6	17
47	Cornea: A Window to White Matter Changes in Stroke; Corneal Confocal Microscopy a Surrogate Marker for the Presence and Severity of White Matter Hyperintensities in Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104543.	0.7	17
48	Prevalence and risk factors for diabetic neuropathy and painful diabetic neuropathy in primary and secondary healthcare in Qatar. <i>Journal of Diabetes Investigation</i> , 2021, 12, 592-600.	1.1	17
49	Corneal Immune Cells Are Increased in Patients With Multiple Sclerosis. <i>Translational Vision Science and Technology</i> , 2021, 10, 19.	1.1	17
50	Small Nerve Fiber Damage and Langerhans Cells in Type 1 and Type 2 Diabetes and LADA Measured by Corneal Confocal Microscopy. , 2021, 62, 5.		17
51	Artificial Intelligence-Based Classification of Diabetic Peripheral Neuropathy From Corneal Confocal Microscopy Images. <i>Diabetes Care</i> , 2021, 44, e151-e153.	4.3	17
52	No Relation Between the Severity of Corneal Nerve, Epithelial, and Keratocyte Cell Morphology With Measures of Dry Eye Disease in Type 1 Diabetes. , 2018, 59, 5525.		15
53	Corneal nerve and endothelial cell damage in patients with transient ischemic attack and minor ischemic stroke. <i>PLoS ONE</i> , 2019, 14, e0213319.	1.1	15
54	Corneal confocal microscopy compared with quantitative sensory testing and nerve conduction for diagnosing and stratifying the severity of diabetic peripheral neuropathy. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001801.	1.2	15

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55	Tau associated peripheral and central neurodegeneration: Identification of an early imaging marker for tauopathy. <i>Neurobiology of Disease</i> , 2021, 151, 105273.	2.1	14
56	Corneal Confocal Microscopy to Image Small Nerve Fiber Degeneration: Ophthalmology Meets Neurology. <i>Frontiers in Pain Research</i> , 2021, 2, 725363.	0.9	14
57	Corneal nerve loss in children with type 1 diabetes mellitus without retinopathy or microalbuminuria. <i>Journal of Diabetes Investigation</i> , 2020, 11, 1594-1601.	1.1	13
58	NerveCheck for the Detection of Sensory Loss and Neuropathic Pain in Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2016, 18, 800-805.	2.4	12
59	Latent autoimmune diabetes of adulthood (<sc>LADA</sc>) is associated with small fibre neuropathy. <i>Diabetic Medicine</i> , 2019, 36, 1118-1124.	1.2	12
60	Greater small nerve fibre damage in the skin and cornea of type 1 diabetic patients with painful compared to painless diabetic neuropathy. <i>European Journal of Neurology</i> , 2021, 28, 1745-1751.	1.7	11
61	Corneal confocal microscopy demonstrates axonal loss in different courses of multiple sclerosis. <i>Scientific Reports</i> , 2021, 11, 21688.	1.6	11
62	Diagnosing and managing diabetic somatic and autonomic neuropathy. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019, 10, 204201881982689.	1.4	10
63	Painful diabetic neuropathy is associated with increased nerve regeneration in patients with type 2 diabetes undergoing intensive glycaemic control. <i>Journal of Diabetes Investigation</i> , 2021, 12, 1642-1650.	1.1	10
64	The role of abnormalities of lipoproteins and HDL functionality in small fibre dysfunction in people with severe obesity. <i>Scientific Reports</i> , 2021, 11, 12573.	1.6	10
65	Diabetic neuropathy and painful diabetic neuropathy: Cinderella complications in South East Asia. <i>JPMA the Journal of the Pakistan Medical Association</i> , 2018, 68, 85-89.	0.1	10
66	Subclinical Corneal Nerve Fiber Damage and Immune Cell Activation in Systemic Lupus Erythematosus: A Corneal Confocal Microscopy Study. <i>Translational Vision Science and Technology</i> , 2021, 10, 10.	1.1	10
67	Prevalence and risk factors for diabetic peripheral neuropathy, neuropathic pain and foot ulceration in the Arabian Gulf region. <i>Journal of Diabetes Investigation</i> , 2022, 13, 1551-1559.	1.1	10
68	Diabetic neuropathy and painful diabetic neuropathy in the Middle East and North Africa (MENA) region: Much work needs to be done. <i>Journal of Taibah University Medical Sciences</i> , 2016, 11, 284-294.	0.5	8
69	Association of Cerebral Ischemia With Corneal Nerve Loss and Brain Atrophy in MCI and Dementia. <i>Frontiers in Neuroscience</i> , 2021, 15, 690896.	1.4	8
70	Corneal confocal microscopy identifies greater corneal nerve damage in patients with a recurrent compared to first ischemic stroke. <i>PLoS ONE</i> , 2020, 15, e0231987.	1.1	7
71	Retinal vessel multifractals predict pial collateral status in patients with acute ischemic stroke. <i>PLoS ONE</i> , 2022, 17, e0267837.	1.1	7
72	Corneal confocal microscopy identifies a reduction in corneal keratocyte density and sub-basal nerves in children with type 1 diabetes mellitus. <i>British Journal of Ophthalmology</i> , 2022, 106, 1368-1372.	2.1	6

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73	Insulin resistance limits corneal nerve regeneration in patients with type 2 diabetes undergoing intensive glycemic control. <i>Journal of Diabetes Investigation</i> , 2021, 12, 2002-2009.	1.1	6
74	Progressive loss of corneal nerve fibers is associated with physical inactivity and glucose lowering medication associated with weight gain in type 2 diabetes. <i>Journal of Diabetes Investigation</i> , 2022, 13, 1703-1710.	1.1	6
75	Optimal glycaemic and blood pressure but not lipid targets are related to a lower prevalence of diabetic microvascular complications. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2021, 15, 102241.	1.8	5
76	Abnormal corneal nerve morphology and brain volume in patients with schizophrenia. <i>Scientific Reports</i> , 2022, 12, 1870.	1.6	5
77	Loss of corneal nerves and brain volume in mild cognitive impairment and dementia. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, e12269.	1.8	5
78	Small Fiber Neuropathy in Patients With Latent Autoimmune Diabetes in Adults. <i>Diabetes Care</i> , 2015, 38, e102-e103.	4.3	4
79	Corneal confocal microscopy demonstrates minimal evidence of distal neuropathy in children with celiac disease. <i>PLoS ONE</i> , 2020, 15, e0238859.	1.1	4
80	Corneal Confocal Microscopy Identifies People with Type 1 Diabetes with More Rapid Corneal Nerve Fibre Loss and Progression of Neuropathy. <i>Journal of Clinical Medicine</i> , 2022, 11, 2249.	1.0	4
81	Corneal confocal microscopy identifies small nerve fibre damage in patients with hypertriglyceridemia. <i>Journal of Clinical Lipidology</i> , 2022, 16, 463-471.	0.6	4
82	CellsDeepNet: A Novel Deep Learning-Based Web Application for the Automated Morphometric Analysis of Corneal Endothelial Cells. <i>Mathematics</i> , 2022, 10, 320.	1.1	3
83	Corneal nerve loss in patients with TIA and acute ischemic stroke in relation to circulating markers of inflammation and vascular integrity. <i>Scientific Reports</i> , 2022, 12, 3332.	1.6	3
84	No evidence of improvement in neuropathy after renal transplantation in patients with end stage kidney disease. <i>Journal of the Peripheral Nervous System</i> , 2021, 26, 269-275.	1.4	2
85	Protection from neuropathy in extreme duration type 1 diabetes. <i>Journal of the Peripheral Nervous System</i> , 2021, 26, 49-54.	1.4	1
86	The Impact of Bariatric Surgery on Neuropathic Pain and on Objective Markers of Neuropathy. , 2016, , .		1
87	Corneal nerve loss as a surrogate marker for poor pial collaterals in patients with acute ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 19718.	1.6	1
88	Altered Circulating microRNAs in Patients with Diabetic Neuropathy and Corneal Nerve Loss: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 1632.	1.0	1
89	Obesity related neuropathy is associated with HDL functionality. <i>Atherosclerosis</i> , 2018, 275, e172.	0.4	0
90	T13. CORNEAL CONFOCAL MICROSCOPY DETECTS NEURAL CHANGES IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020, 46, S235-S236.	2.3	0

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91	Abstract MP59: Retinal Vascular Metrics Predict Pial Collateral Status in Patients With Acute Ischemic Stroke. Stroke, 2021, 52, .	1.0	0
92	Corneal Confocal Microscopy Identifies Neuronal Pathology in Patients with Stroke Independent of Glycemic Status and Cerebral Pathology on MRI. , 2016, , .		0
93	Skin Expression of Advanced Glycation End Products (AGEs), Their Receptor (RAGE) and Glyoxalase-I (GLO-I) in Patients with Diabetic Neuropathy. British Journal of Medicine and Medical Research, 2016, 12, 1-13.	0.2	0
94	The prevalence of diabetic neuropathy, painful diabetic neuropathy and the at risk diabetic foot in Qatar. Endocrine Abstracts, 0, , .	0.0	0
95	Abstract WP94: Association of Corneal and Retinal Nerves With Cerebral Small Vessel Disease in Patients With Acute Ischemic Stroke. Stroke, 2019, 50, .	1.0	0
96	Corneal Confocal Microscopy and Brain MRI: Surrogate Markers of Neuronal Pathology in Schizophrenia. SSRN Electronic Journal, 0, , .	0.4	0
97	Abstract WMP120: Vascular Risk Factor Reduction Is Associated With Corneal Nerve Regeneration In Patients With Tia And Ischemic Stroke. Stroke, 2022, 53, .	1.0	0
98	Corneal confocal microscopy for the diagnosis of diabetic sensorimotor polyneuropathy in people with type 1 and 2 diabetes mellitus. The Cochrane Library, 2021, 2021, .	1.5	0