Georgios Ponirakis

List of Publications by Year in Descending Order

83 papers	2,402 citations	25 h-index	47 g-index
105 ext. papers	3,039 ext. citations	5.3 avg, IF	4.87 L-index

#	Paper	IF	Citations
83	CellsDeepNet: A Novel Deep Learning-Based Web Application for the Automated Morphometric Analysis of Corneal Endothelial Cells. *Mathematics*, **2022**, 10, 320	2.3	0
82	Abnormal corneal nerve morphology and brain volume in patients with schizophrenia.. *Scientific Reports*, **2022**, 12, 1870	4.9	1
81	Loss of corneal nerves and brain volume in mild cognitive impairment and dementia.. *Alzheimerls and Dementia: Translational Research and Clinical Interventions*, **2022**, 8, e12269	6	0
80	Corneal nerve loss in patients with TIA and acute ischemic stroke in relation to circulating markers of inflammation and vascular integrity.. *Scientific Reports*, **2022**, 12, 3332	4.9	0
79	Retinal vessel multifractals predict pial collateral status in patients with acute ischemic stroke.. *PLoS ONE*, **2022**, 17, e0267837	3.7	1
78	Corneal confocal microscopy demonstrates axonal loss in different courses of multiple sclerosis. *Scientific Reports*, **2021**, 11, 21688	4.9	1
77	Corneal nerve loss as a surrogate marker for poor pial collaterals in patients with acute ischemic stroke. *Scientific Reports*, **2021**, 11, 19718	4.9	1
76	Corneal confocal microscopy identifies a reduction in corneal keratocyte density and sub-basal nerves in children with type 1 diabetes mellitus. *British Journal of Ophthalmology*, **2021**,	5.5	1
75	Corneal Immune Cells Are Increased in Patients With Multiple Sclerosis. *Translational Vision Science and Technology*, **2021**, 10, 19	3.3	5
74	Tau associated peripheral and central neurodegeneration: Identification of an early imaging marker for tauopathy. *Neurobiology of Disease*, **2021**, 151, 105273	7.5	4
73	Corneal Confocal Microscopy: A Biomarker for Diabetic Peripheral Neuropathy. *Clinical Therapeutics* , **2021**, 43, 1457-1475	3.5	6
72	Painful diabetic neuropathy is associated with increased nerve regeneration in patients with type□2 diabetes undergoing intensive glycemic control. *Journal of Diabetes Investigation*, **2021**, 12, 1642-1650	3.9	3
71	Small Nerve Fiber Damage and Langerhans Cells in Type 1 and Type 2 Diabetes and LADA Measured by Corneal Confocal Microscopy **2021**, 62, 5		4
70	No evidence of improvement in neuropathy after renal transplantation in patients with end stage kidney disease. *Journal of the Peripheral Nervous System*, **2021**, 26, 269-275	4.7	0
69	Association of Cerebral Ischemia With Corneal Nerve Loss and Brain Atrophy in MCI and Dementia. *Frontiers in Neuroscience*, **2021**, 15, 690896	5.1	4
68	The role of abnormalities of lipoproteins and HDL functionality in small fibre dysfunction in people with severe obesity. *Scientific Reports*, **2021**, 11, 12573	4.9	2
67	Insulin resistance limits corneal nerve regeneration in patients with type 2 diabetes undergoing intensive glycemic control. *Journal of Diabetes Investigation*, **2021**, 12, 2002-2009	3.9	4

66	Artificial Intelligence-Based Classification of Diabetic Peripheral Neuropathy From Corneal Confocal Microscopy Images. *Diabetes Care*, **2021**, 44, e151-e153	14.6	7
65	Vitamin D deficiency is associated with painful diabetic neuropathy. *Diabetes/Metabolism Research and Reviews*, **2021**, 37, e3361	7.5	9
64	Diagnosis of Neuropathy and Risk Factors for Corneal Nerve Loss in Type 1 and Type 2 Diabetes: A Corneal Confocal Microscopy Study. *Diabetes Care*, **2021**, 44, 150-156	14.6	25
63	Protection from neuropathy in extreme duration type 1 diabetes. *Journal of the Peripheral Nervous System*, **2021**, 26, 49-54	4.7	1
62	Prevalence and risk factors for diabetic neuropathy and painful diabetic neuropathy in primary and secondary healthcare in Qatar. *Journal of Diabetes Investigation*, **2021**, 12, 592-600	3.9	4
61	Early Detection of Diabetic Peripheral Neuropathy: A Focus on Small Nerve Fibres. *Diagnostics*, **2021**, 11,	3.8	14
60	Greater small nerve fibre damage in the skin and cornea of type 1 diabetic patients with painful compared to painless diabetic neuropathy. *European Journal of Neurology*, **2021**, 28, 1745-1751	6	6
59	Corneal confocal microscopy identifies corneal nerve fibre loss and increased dendritic cells in patients with long COVID. *British Journal of Ophthalmology*, **2021**,	5.5	9
58	Corneal Confocal Microscopy to Image Small Nerve Fiber Degeneration: Ophthalmology Meets Neurology.. *Frontiers in Pain Research*, **2021**, 2, 725363	1.4	3
57	Corneal confocal microscopy for the diagnosis of diabetic peripheral neuropathy: A systematic review and meta-analysis. *Journal of Diabetes Investigation*, **2021**,	3.9	6
56	Optimal glycaemic and blood pressure but not lipid targets are related to a lower prevalence of diabetic microvascular complications. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, **2021**, 15, 102241	8.9	0
55	Corneal confocal microscopy identifies small fibre damage and progression of diabetic neuropathy. *Scientific Reports*, **2021**, 11, 1859	4.9	10
54	Bariatric surgery leads to an improvement in small nerve fibre damage in subjects with obesity. *International Journal of Obesity*, **2021**, 45, 631-638	5.5	11
53	Subclinical Corneal Nerve Fiber Damage and Immune Cell Activation in Systemic Lupus Erythematosus: A Corneal Confocal Microscopy Study.. *Translational Vision Science and Technology*, **2021**, 10, 10	3.3	0
52	Corneal nerve loss in children with type 1 diabetes mellitus without retinopathy or microalbuminuria. *Journal of Diabetes Investigation*, **2020**, 11, 1594-1601	3.9	7
51	Effect of treatment with exenatide and pioglitazone or basal-bolus insulin on diabetic neuropathy: a substudy of the Qatar Study. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	20
50	Corneal confocal microscopy compared with quantitative sensory testing and nerve conduction for diagnosing and stratifying the severity of diabetic peripheral neuropathy. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	9
49	An artificial intelligence-based deep learning algorithm for the diagnosis of diabetic neuropathy using corneal confocal microscopy: a development and validation study. *Diabetologia*, **2020**, 63, 419-430	10.3	54

48	Prevalence and management of diabetic neuropathy in secondary care in Qatar. *Diabetes/Metabolism Research and Reviews*, **2020**, 36, e3286	7.5	13
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. *Journal of Stroke and Cerebrovascular Diseases*, **2020**, 29, 104543	2.8	12
46	T13. CORNEAL CONFOCAL MICROSCOPY DETECTS NEURAL CHANGES IN SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2020**, 46, S235-S236	1.3	78
45	Corneal confocal microscopy demonstrates minimal evidence of distal neuropathy in children with celiac disease. *PLoS ONE*, **2020**, 15, e0238859	3.7	2
44	Corneal Nerve and Brain Imaging in Mild Cognitive Impairment and Dementia. *Journal of Alzheimerls Disease*, **2020**, 77, 1533-1543	4.3	10
43	The Utility of Corneal Nerve Fractal Dimension Analysis in Peripheral Neuropathies of Different Etiology. *Translational Vision Science and Technology*, **2020**, 9, 43	3.3	11
42	Corneal confocal microscopy: ready for prime time. *Australasian journal of optometry, The*, **2020**, 103, 265-277	2.7	38
41	Corneal confocal microscopy identifies greater corneal nerve damage in patients with a recurrent compared to first ischemic stroke. *PLoS ONE*, **2020**, 15, e0231987	3.7	4
40	Early nerve fibre regeneration in individuals with type 1 diabetes after simultaneous pancreas and kidney transplantation. *Diabetologia*, **2019**, 62, 1478-1487	10.3	59
39	Association of corneal nerve fiber measures with cognitive function in dementia. *Annals of Clinical and Translational Neurology*, **2019**, 6, 689-697	5.3	35
38	Hypertension Contributes to Neuropathy in Patients With Type 1 Diabetes. *American Journal of Hypertension*, **2019**, 32, 796-803	2.3	25
37	An update on the diagnosis and treatment of diabetic somatic and autonomic neuropathy. *F1000Research*, **2019**, 8,	3.6	20
36	Prevalence and risk factors for painful diabetic neuropathy in secondary healthcare in Qatar. *Journal of Diabetes Investigation*, **2019**, 10, 1558-1564	3.9	19
35	Corneal nerve and endothelial cell damage in patients with transient ischemic attack and minor ischemic stroke. *PLoS ONE*, **2019**, 14, e0213319	3.7	10
34	Diagnosing and managing diabetic somatic and autonomic neuropathy. *Therapeutic Advances in Endocrinology and Metabolism*, **2019**, 10, 2042018819826890	4.5	7
33	Latent autoimmune diabetes of adulthood (LADA) is associated with small fibre neuropathy. *Diabetic Medicine*, **2019**, 36, 1118-1124	3.5	8
32	Corneal confocal microscopy detects severe small fiber neuropathy in diabetic patients with Charcot neuroarthropathy. *Journal of Diabetes Investigation*, **2018**, 9, 1167-1172	3.9	15
31	Metformin Use Is Not Associated With B Deficiency or Neuropathy in Patients With Type 2 Diabetes Mellitus in Qatar. *Frontiers in Endocrinology*, **2018**, 9, 248	5.7	15

30	Diagnosing Diabetic Neuropathy: Something Old, Something New. *Diabetes and Metabolism Journal* , **2018**, 42, 255-269	5	53
29	Peripheral neuropathy in patients with multiple sclerosis. *PLoS ONE*, **2018**, 13, e0193270	3.7	16
28	Corneal Confocal Microscopy detects a Reduction in Corneal Endothelial Cells and Nerve Fibres in Patients with Acute Ischemic Stroke. *Scientific Reports*, **2018**, 8, 17333	4.9	13
27	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, 5525-5530		10
26	Corneal Nerve Fractal Dimension: A Novel Corneal Nerve Metric for the Diagnosis of Diabetic Sensorimotor Polyneuropathy **2018**, 59, 1113-1118		46
25	Diabetic neuropathy and painful diabetic neuropathy: Cinderella complications in South East Asia. *JPMA the Journal of the Pakistan Medical Association*, **2018**, 68, 85-89	0.4	9
24	Spinal Disinhibition in Experimental and Clinical Painful Diabetic Neuropathy. *Diabetes*, **2017**, 66, 1380-1390	8.9	41
23	Small-fibre neuropathy in men with type 1 diabetes and erectile dysfunction: a cross-sectional study. *Diabetologia*, **2017**, 60, 1094-1101	10.3	23
22	Visual complications in diabetes mellitus: beyond retinopathy. *Diabetic Medicine*, **2017**, 34, 478-484	3.5	43
21	Corneal Confocal Microscopy Detects Corneal Nerve Damage in Patients Admitted With Acute Ischemic Stroke. *Stroke*, **2017**, 48, 3012-3018	6.7	19
20	Corneal Confocal Microscopy: An Imaging Endpoint for Axonal Degeneration in Multiple Sclerosis **2017**, 58, 3677-3681		50
19	Diagnostic utility of corneal confocal microscopy and intra-epidermal nerve fibre density in diabetic neuropathy. *PLoS ONE*, **2017**, 12, e0180175	3.7	94
18	NerveCheck: An inexpensive quantitative sensory testing device for patients with diabetic neuropathy. *Diabetes Research and Clinical Practice*, **2016**, 113, 101-7	7.4	22
17	NerveCheck for the Detection of Sensory Loss and Neuropathic Pain in Diabetes. *Diabetes Technology and Therapeutics*, **2016**, 18, 800-805	8.1	8
16	Diabetic neuropathy and painful diabetic neuropathy in the Middle East and North Africa (MENA) region: Much work needs to be done. *Journal of Taibah University Medical Sciences*, **2016**, 11, 284-294	1.7	5
15	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. *Diabetes Care*, **2015**, 38, e3-4	14.6	45
14	Small nerve fiber quantification in the diagnosis of diabetic sensorimotor polyneuropathy: comparing corneal confocal microscopy with intraepidermal nerve fiber density. *Diabetes Care*, **2015**, 38, 1138-44	14.6	160
13	Small Fiber Neuropathy in Patients With Latent Autoimmune Diabetes in Adults. *Diabetes Care*, **2015**, 38, e102-3	14.6	3

12	Automated Quantification of Neuropad Improves Its Diagnostic Ability in Patients with Diabetic Neuropathy. *Journal of Diabetes Research*, **2015**, 2015, 847854	3.9	17
11	Corneal Confocal Microscopy Identifies Small-Fiber Neuropathy in Subjects With Impaired Glucose Tolerance Who Develop Type 2 Diabetes. *Diabetes Care*, **2015**, 38, 1502-8	14.6	98
10	The Inferior Whorl For Detecting Diabetic Peripheral Neuropathy Using Corneal Confocal Microscopy **2015**, 56, 2498-504		56
9	Small fiber neuropathy in Parkinson's disease: A clinical, pathological and corneal confocal microscopy study. *Parkinsonism and Related Disorders*, **2015**, 21, 1454-60	3.6	97
8	Corneal Confocal Microscopy Detects Small Fibre Neuropathy in Patients with Upper Gastrointestinal Cancer and Nerve Regeneration in Chemotherapy Induced Peripheral Neuropathy. *PLoS ONE*, **2015**, 10, e0139394	3.7	61
7	Corneal confocal microscopy detects neuropathy in subjects with impaired glucose tolerance. *Diabetes Care*, **2014**, 37, 2643-6	14.6	115
6	Longitudinal assessment of neuropathy in type 1 diabetes using novel ophthalmic markers (LANDMark): study design and baseline characteristics. *Diabetes Research and Clinical Practice*, **2014** , 104, 248-56	7.4	62
5	Rapid automated diagnosis of diabetic peripheral neuropathy with in vivo corneal confocal microscopy **2014**, 55, 2071-8		151
4	The diagnostic accuracy of Neuropad for assessing large and small fibre diabetic neuropathy. *Diabetic Medicine*, **2014**, 31, 1673-80	3.5	28
3	Corneal confocal microscopy detects early nerve regeneration in diabetic neuropathy after simultaneous pancreas and kidney transplantation. *Diabetes*, **2013**, 62, 254-60	0.9	192
2	Corneal nerve loss detected with corneal confocal microscopy is symmetrical and related to the severity of diabetic polyneuropathy. *Diabetes Care*, **2013**, 36, 3646-51	14.6	123
1	Repeatability of in vivo corneal confocal microscopy to quantify corneal nerve morphology. *Cornea*, **2013**, 32, e83-9	3.1	124