

Ioannis Nikolaos Petropoulos

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98
papers

3,168
citations

33
h-index

54
g-index

107
ext. papers

3,961
ext. citations

5.3
avg, IF

5.11
L-index

#	Paper	IF	Citations
98	Corneal confocal microscopy detects early nerve regeneration in diabetic neuropathy after simultaneous pancreas and kidney transplantation. <i>Diabetes</i> , 2013 , 62, 254-60	0.9	192
97	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, 1138-44	14.6	160
96	Rapid automated diagnosis of diabetic peripheral neuropathy with in vivo corneal confocal microscopy 2014 , 55, 2071-8		151
95	Repeatability of in vivo corneal confocal microscopy to quantify corneal nerve morphology. <i>Cornea</i> , 2013 , 32, e83-9	3.1	124
94	Corneal nerve loss detected with corneal confocal microscopy is symmetrical and related to the severity of diabetic polyneuropathy. <i>Diabetes Care</i> , 2013 , 36, 3646-51	14.6	123
93	Corneal confocal microscopy detects neuropathy in subjects with impaired glucose tolerance. <i>Diabetes Care</i> , 2014 , 37, 2643-6	14.6	115
92	Normative values for corneal nerve morphology assessed using corneal confocal microscopy: a multinational normative data set. <i>Diabetes Care</i> , 2015 , 38, 838-43	14.6	113
91	Treatment of painful diabetic neuropathy. <i>Therapeutic Advances in Chronic Disease</i> , 2015 , 6, 15-28	4.9	109
90	Corneal Confocal Microscopy Identifies Small-Fiber Neuropathy in Subjects With Impaired Glucose Tolerance Who Develop Type 2 Diabetes. <i>Diabetes Care</i> , 2015 , 38, 1502-8	14.6	98
89	Small fiber neuropathy in Parkinson's disease: A clinical, pathological and corneal confocal microscopy study. <i>Parkinsonism and Related Disorders</i> , 2015 , 21, 1454-60	3.6	97
88	Diagnostic utility of corneal confocal microscopy and intra-epidermal nerve fibre density in diabetic neuropathy. <i>PLoS ONE</i> , 2017 , 12, e0180175	3.7	94
87	ARA 290, a nonerythropoietic peptide engineered from erythropoietin, improves metabolic control and neuropathic symptoms in patients with type 2 diabetes. <i>Molecular Medicine</i> , 2015 , 20, 658-66	6.2	90
86	An Automatic Tool for Quantification of Nerve Fibers in Corneal Confocal Microscopy Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 786-794	5	78
85	Cibinetide Improves Corneal Nerve Fiber Abundance in Patients With Sarcoidosis-Associated Small Nerve Fiber Loss and Neuropathic Pain 2017 , 58, BIO52-BIO60		69
84	Corneal confocal microscopy detects small-fiber neuropathy in Charcot-Marie-Tooth disease type 1A patients. <i>Muscle and Nerve</i> , 2012 , 46, 698-704	3.4	67
83	Corneal confocal microscopy to assess diabetic neuropathy: an eye on the foot. <i>Journal of Diabetes Science and Technology</i> , 2013 , 7, 1179-89	4.1	64
82	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, 248-56	7.4	62

81	Corneal confocal microscopy detects neuropathy in patients with type 1 diabetes without retinopathy or microalbuminuria. <i>PLoS ONE</i> , 2015 , 10, e0123517	3.7	61
80	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	3.7	61
79	Early nerve fibre regeneration in individuals with type 1 diabetes after simultaneous pancreas and kidney transplantation. <i>Diabetologia</i> , 2019 , 62, 1478-1487	10.3	59
78	Vitamin D for the treatment of painful diabetic neuropathy. <i>BMJ Open Diabetes Research and Care</i> , 2016 , 4, e000148	4.5	57
77	The Inferior Whorl For Detecting Diabetic Peripheral Neuropathy Using Corneal Confocal Microscopy 2015 , 56, 2498-504		56
76	Corneal confocal microscopy in chronic inflammatory demyelinating polyneuropathy. <i>Annals of Clinical and Translational Neurology</i> , 2016 , 3, 88-100	5.3	56
75	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	10.3	54
74	Diagnosing Diabetic Neuropathy: Something Old, Something New. <i>Diabetes and Metabolism Journal</i> , 2018 , 42, 255-269	5	53
73	Corneal Confocal Microscopy: An Imaging Endpoint for Axonal Degeneration in Multiple Sclerosis 2017 , 58, 3677-3681		50
72	Use of Corneal Confocal Microscopy to Evaluate Small Nerve Fibers in Patients With Human Immunodeficiency Virus. <i>JAMA Ophthalmology</i> , 2017 , 135, 795-800	3.9	46
71	Corneal Nerve Fractal Dimension: A Novel Corneal Nerve Metric for the Diagnosis of Diabetic Sensorimotor Polyneuropathy 2018 , 59, 1113-1118		46
70	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, e3-4	14.6	45
69	Spinal Disinhibition in Experimental and Clinical Painful Diabetic Neuropathy. <i>Diabetes</i> , 2017 , 66, 1380-1390	10.3	41
68	Assessing corneal nerve structure and function in diabetic neuropathy. <i>Australasian journal of optometry, The</i> , 2012 , 95, 338-47	2.7	41
67	Corneal confocal microscopy: ready for prime time. <i>Australasian journal of optometry, The</i> , 2020 , 103, 265-277	2.7	38
66	Association of corneal nerve fiber measures with cognitive function in dementia. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 689-697	5.3	35
65	Focused Tortuosity Definitions Based on Expert Clinical Assessment of Corneal Subbasal Nerves 2015 , 56, 5102-9		30
64	Hypertension Contributes to Neuropathy in Patients With Type 1 Diabetes. <i>American Journal of Hypertension</i> , 2019 , 32, 796-803	2.3	25

63	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	14.6	25
62	Corneal confocal microscopy as a tool for detecting diabetic polyneuropathy in a cohort with screen-detected type 2 diabetes: ADDITION-Denmark. <i>Journal of Diabetes and Its Complications</i> , 2018 , 32, 1153-1159	3.2	25
61	Corneal confocal microscopy: Neurologic disease biomarker in Friedreich ataxia. <i>Annals of Neurology</i> , 2018 , 84, 893-904	9.4	24
60	Small-fibre neuropathy in men with type 1 diabetes and erectile dysfunction: a cross-sectional study. <i>Diabetologia</i> , 2017 , 60, 1094-1101	10.3	23
59	An update on the diagnosis and treatment of diabetic somatic and autonomic neuropathy. <i>F1000Research</i> , 2019 , 8,	3.6	20
58	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,	4.5	20
57	Corneal Confocal Microscopy Detects Corneal Nerve Damage in Patients Admitted With Acute Ischemic Stroke. <i>Stroke</i> , 2017 , 48, 3012-3018	6.7	19
56	Automated Quantification of Neuropad Improves Its Diagnostic Ability in Patients with Diabetic Neuropathy. <i>Journal of Diabetes Research</i> , 2015 , 2015, 847854	3.9	17
55	Peripheral neuropathy in patients with multiple sclerosis. <i>PLoS ONE</i> , 2018 , 13, e0193270	3.7	16
54	Corneal confocal microscopy detects severe small fiber neuropathy in diabetic patients with Charcot neuroarthropathy. <i>Journal of Diabetes Investigation</i> , 2018 , 9, 1167-1172	3.9	15
53	Early Detection of Diabetic Peripheral Neuropathy: A Focus on Small Nerve Fibres. <i>Diagnostics</i> , 2021 , 11,	3.8	14
52	Age and sex affect deep learning prediction of cardiometabolic risk factors from retinal images. <i>Scientific Reports</i> , 2020 , 10, 9432	4.9	13
51	Prevalence and management of diabetic neuropathy in secondary care in Qatar. <i>Diabetes/Metabolism Research and Reviews</i> , 2020 , 36, e3286	7.5	13
50	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	4.9	13
49	Novel insights on diagnosis, cause and treatment of diabetic neuropathy: focus on painful diabetic neuropathy. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2010 , 1, 69-88	4.5	12
48	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	2.8	12
47	Prevalence of peripheral neuropathy in pre-diabetes: a systematic review. <i>BMJ Open Diabetes Research and Care</i> , 2021 , 9,	4.5	12
46	Explanations for less small fibre neuropathy in South Asian versus European subjects with type 2 diabetes in the UK. <i>Diabetes/Metabolism Research and Reviews</i> , 2018 , 34, e3044	7.5	12

45	The Utility of Corneal Nerve Fractal Dimension Analysis in Peripheral Neuropathies of Different Etiology. <i>Translational Vision Science and Technology</i> , 2020 , 9, 43	3.3	11
44	Corneal nerve and endothelial cell damage in patients with transient ischemic attack and minor ischemic stroke. <i>PLoS ONE</i> , 2019 , 14, e0213319	3.7	10
43	Corneal Nerve and Brain Imaging in Mild Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , 2020 , 77, 1533-1543	4.3	10
42	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
41	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,	4.5	9
40	Vitamin D deficiency is associated with painful diabetic neuropathy. <i>Diabetes/Metabolism Research and Reviews</i> , 2021 , 37, e3361	7.5	9
39	Progressive Loss of Corneal and Retinal Nerve Fibers in Patients With Multiple Sclerosis: A 2-Year Follow-up Study. <i>Translational Vision Science and Technology</i> , 2020 , 9, 37	3.3	8
38	Corneal confocal microscopy detects small fibre neurodegeneration in Parkinson's disease using automated analysis. <i>Scientific Reports</i> , 2020 , 10, 20147	4.9	8
37	NerveCheck for the Detection of Sensory Loss and Neuropathic Pain in Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18, 800-805	8.1	8
36	Corneal nerve loss in children with type 1 diabetes mellitus without retinopathy or microalbuminuria. <i>Journal of Diabetes Investigation</i> , 2020 , 11, 1594-1601	3.9	7
35	Differential effects of different vitamin D replacement strategies in patients with diabetes. <i>Journal of Diabetes and Its Complications</i> , 2014 , 28, 66-70	3.2	7
34	Artificial Intelligence-Based Classification of Diabetic Peripheral Neuropathy From Corneal Confocal Microscopy Images. <i>Diabetes Care</i> , 2021 , 44, e151-e153	14.6	7
33	Diagnosing and managing diabetic somatic and autonomic neuropathy. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019 , 10, 2042018819826890	4.5	7
32	Corneal Confocal Microscopy: A Biomarker for Diabetic Peripheral Neuropathy. <i>Clinical Therapeutics</i> , 2021 , 43, 1457-1475	3.5	6
31	Corneal confocal microscopy for the diagnosis of diabetic peripheral neuropathy: A systematic review and meta-analysis. <i>Journal of Diabetes Investigation</i> , 2021 ,	3.9	6
30	Artificial intelligence utilising corneal confocal microscopy for the diagnosis of peripheral neuropathy in diabetes mellitus and prediabetes. <i>Diabetologia</i> , 2021 , 1	10.3	5
29	Corneal Confocal Microscopy Identifies Parkinson's Disease with More Rapid Motor Progression. <i>Movement Disorders</i> , 2021 , 36, 1927-1934	7	5
28	Corneal Immune Cells Are Increased in Patients With Multiple Sclerosis. <i>Translational Vision Science and Technology</i> , 2021 , 10, 19	3.3	5

27	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	1.7	5
26	Implementation of a Quality Index for Improvement of Quantification of Corneal Nerves in Corneal Confocal Microscopy Images: A Multicenter Study. <i>Cornea</i> , 2019 , 38, 921-926	3.1	5
25	Corneal confocal microscopy differentiates inflammatory from diabetic neuropathy. <i>Journal of Neuroinflammation</i> , 2021 , 18, 89	10.1	4
24	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
23	Association of Cerebral Ischemia With Corneal Nerve Loss and Brain Atrophy in MCI and Dementia. <i>Frontiers in Neuroscience</i> , 2021 , 15, 690896	5.1	4
22	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	3.9	4
21	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	3.7	4
20	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	3.9	4
19	Retinal microvascular complexity comparing mono- and multifractal dimensions in relation to cardiometabolic risk factors in a Middle Eastern population. <i>Acta Ophthalmologica</i> , 2021 , 99, e368-e377	3.7	4
18	Small Fiber Neuropathy in Patients With Latent Autoimmune Diabetes in Adults. <i>Diabetes Care</i> , 2015 , 38, e102-3	14.6	3
17	Corneal Confocal Microscopy in the Diagnosis of Small Fiber Neuropathy: Faster, Easier, and More Efficient Than Skin Biopsy?. <i>Pathophysiology</i> , 2021 , 29, 1-8	1.8	3
16	Painful diabetic neuropathy is associated with increased nerve regeneration in patients with type 2 diabetes undergoing intensive glycemic control. <i>Journal of Diabetes Investigation</i> , 2021 , 12, 1642-1650	3.9	3
15	Smart Neuropathy Detection using Machine Intelligence: Filling the Void Between Clinical Practice and Early Diagnosis 2019 ,		3
14	Corneal Confocal Microscopy to Image Small Nerve Fiber Degeneration: Ophthalmology Meets Neurology.. <i>Frontiers in Pain Research</i> , 2021 , 2, 725363	1.4	3
13	Corneal confocal microscopy demonstrates minimal evidence of distal neuropathy in children with celiac disease. <i>PLoS ONE</i> , 2020 , 15, e0238859	3.7	2
12	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	4.9	2
11	Review of techniques useful for the assessment of sensory small fiber neuropathies: Report from an IFCN expert group.. <i>Clinical Neurophysiology</i> , 2022 , 136, 13-38	4.3	1
10	Abnormal corneal nerve morphology and brain volume in patients with schizophrenia.. <i>Scientific Reports</i> , 2022 , 12, 1870	4.9	1

9	Corneal confocal microscopy demonstrates axonal loss in different courses of multiple sclerosis. <i>Scientific Reports</i> , 2021 , 11, 21688	4.9	1
8	Corneal nerve loss as a surrogate marker for poor pial collaterals in patients with acute ischemic stroke. <i>Scientific Reports</i> , 2021 , 11, 19718	4.9	1
7	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> , 2021 ,	5.5	1
6	Retinal vessel multifractals predict pial collateral status in patients with acute ischemic stroke.. <i>PLoS ONE</i> , 2022 , 17, e0267837	3.7	1
5	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	4.7	0
4	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	6	0
3	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	4.9	0
2	Response to comment on Malik. Which test for diagnosing early human diabetic neuropathy? <i>Diabetes</i> 2014;63:2206-2208. <i>Diabetes</i> , 2015 , 64, e2-3	0.9	
1	Corneal Nerves 2022 , 125-151		