

# Ioannis Nikolaos Petropoulos

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Review of techniques useful for the assessment of sensory small fiber neuropathies: Report from an IFCN expert group.. <i>Clinical Neurophysiology</i> , <b>2022</b> , 136, 13-38  | 4.3  | 1         |
| 97 | Corneal Nerves <b>2022</b> , 125-151   |      |           |
| 96 | Abnormal corneal nerve morphology and brain volume in patients with schizophrenia.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1870   | 4.9  | 1         |
| 95 | Loss of corneal nerves and brain volume in mild cognitive impairment and dementia.. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , <b>2022</b> , 8, e12269                           | 6    | 0         |
| 94 | 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> , <b>2022</b> , 12, 3332                           | 4.9  | 0         |
| 93 | Retinal vessel multifractals predict pial collateral status in patients with acute ischemic stroke.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267837  | 3.7  | 1         |
| 92 | Corneal Confocal Microscopy in the Diagnosis of Small Fiber Neuropathy: Faster, Easier, and More Efficient Than Skin Biopsy?. <i>Pathophysiology</i> , <b>2021</b> , 29, 1-8   | 1.8  | 3         |
| 91 | Corneal confocal microscopy demonstrates axonal loss in different courses of multiple sclerosis. <i>Scientific Reports</i> , <b>2021</b> , 11, 21688   | 4.9  | 1         |
| 90 | Artificial intelligence utilising corneal confocal microscopy for the diagnosis of peripheral neuropathy in diabetes mellitus and prediabetes. <i>Diabetologia</i> , <b>2021</b> , 1                                       | 10.3 | 5         |
| 89 | Corneal nerve loss as a surrogate marker for poor pial collaterals in patients with acute ischemic stroke. <i>Scientific Reports</i> , <b>2021</b> , 11, 19718   | 4.9  | 1         |
| 88 | Corneal confocal microscopy differentiates inflammatory from diabetic neuropathy. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 89   | 10.1 | 4         |
| 87 | Corneal Confocal Microscopy Identifies Parkinson's Disease with More Rapid Motor Progression. <i>Movement Disorders</i> , <b>2021</b> , 36, 1927-1934  | 7    | 5         |
| 86 | 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> , <b>2021</b> ,                   | 5.5  | 1         |
| 85 | Corneal Immune Cells Are Increased in Patients With Multiple Sclerosis. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 19  | 3.3  | 5         |
| 84 | Corneal Confocal Microscopy: A Biomarker for Diabetic Peripheral Neuropathy. <i>Clinical Therapeutics</i> , <b>2021</b> , 43, 1457-1475  | 3.5  | 6         |
| 83 | 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> , <b>2021</b> , 12, 1642-1650 | 3.9  | 3         |
| 82 | Prevalence of peripheral neuropathy in pre-diabetes: a systematic review. <i>BMJ Open Diabetes Research and Care</i> , <b>2021</b> , 9,  | 4.5  | 12        |

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|----|--|------|----|
| 81 | Small Nerve Fiber Damage and Langerhans Cells in Type 1 and Type 2 Diabetes and LADA Measured by Corneal Confocal Microscopy <b>2021</b> , 62, 5   |      | 4  |
| 80 | No evidence of improvement in neuropathy after renal transplantation in patients with end stage kidney disease. <i>Journal of the Peripheral Nervous System</i> , <b>2021</b> , 26, 269-275  | 4.7  | 0  |
| 79 | Association of Cerebral Ischemia With Corneal Nerve Loss and Brain Atrophy in MCI and Dementia. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 690896  | 5.1  | 4  |
| 78 | The role of abnormalities of lipoproteins and HDL functionality in small fibre dysfunction in people with severe obesity. <i>Scientific Reports</i> , <b>2021</b> , 11, 12573  | 4.9  | 2  |
| 77 | Insulin resistance limits corneal nerve regeneration in patients with type 2 diabetes undergoing intensive glycemic control. <i>Journal of Diabetes Investigation</i> , <b>2021</b> , 12, 2002-2009                                      | 3.9  | 4  |
| 76 | Artificial Intelligence-Based Classification of Diabetic Peripheral Neuropathy From Corneal Confocal Microscopy Images. <i>Diabetes Care</i> , <b>2021</b> , 44, e151-e153   | 14.6 | 7  |
| 75 | Vitamin D deficiency is associated with painful diabetic neuropathy. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2021</b> , 37, e3361   | 7.5  | 9  |
| 74 | 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> , <b>2021</b> , 44, 150-156   | 14.6 | 25 |
| 73 | Prevalence and risk factors for diabetic neuropathy and painful diabetic neuropathy in primary and secondary healthcare in Qatar. <i>Journal of Diabetes Investigation</i> , <b>2021</b> , 12, 592-600                                   | 3.9  | 4  |
| 72 | Retinal microvascular complexity comparing mono- and multifractal dimensions in relation to cardiometabolic risk factors in a Middle Eastern population. <i>Acta Ophthalmologica</i> , <b>2021</b> , 99, e368-e377                       | 3.7  | 4  |
| 71 | Early Detection of Diabetic Peripheral Neuropathy: A Focus on Small Nerve Fibres. <i>Diagnostics</i> , <b>2021</b> , 11,   | 3.8  | 14 |
| 70 | Corneal Confocal Microscopy to Image Small Nerve Fiber Degeneration: Ophthalmology Meets Neurology.. <i>Frontiers in Pain Research</i> , <b>2021</b> , 2, 725363   | 1.4  | 3  |
| 69 | Corneal confocal microscopy for the diagnosis of diabetic peripheral neuropathy: A systematic review and meta-analysis. <i>Journal of Diabetes Investigation</i> , <b>2021</b> ,   | 3.9  | 6  |
| 68 | Age and sex affect deep learning prediction of cardiometabolic risk factors from retinal images. <i>Scientific Reports</i> , <b>2020</b> , 10, 9432  | 4.9  | 13 |
| 67 | Corneal nerve loss in children with type 1 diabetes mellitus without retinopathy or microalbuminuria. <i>Journal of Diabetes Investigation</i> , <b>2020</b> , 11, 1594-1601   | 3.9  | 7  |
| 66 | 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> , <b>2020</b> , 8,  | 4.5  | 20 |
| 65 | 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> , <b>2020</b> , 8, | 4.5  | 9  |
| 64 | 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> , <b>2020</b> , 9, 37   | 3.3  | 8  |

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| 63 | 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> , <b>2020</b> , 63, 419-430   | 10.3 | 54 |
| 62 | Prevalence and management of diabetic neuropathy in secondary care in Qatar. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2020</b> , 36, e3286   | 7.5  | 13 |
| 61 | 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> , <b>2020</b> , 29, 104543 | 2.8  | 12 |
| 60 | Corneal confocal microscopy demonstrates minimal evidence of distal neuropathy in children with celiac disease. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238859   | 3.7  | 2  |
| 59 | Corneal confocal microscopy detects small fibre neurodegeneration in Parkinson's disease using automated analysis. <i>Scientific Reports</i> , <b>2020</b> , 10, 20147   | 4.9  | 8  |
| 58 | Corneal Nerve and Brain Imaging in Mild Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 77, 1533-1543   | 4.3  | 10 |
| 57 | The Utility of Corneal Nerve Fractal Dimension Analysis in Peripheral Neuropathies of Different Etiology. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 43   | 3.3  | 11 |
| 56 | Corneal confocal microscopy: ready for prime time. <i>Australasian journal of optometry, The</i> , <b>2020</b> , 103, 265-277  | 2.7  | 38 |
| 55 | Corneal confocal microscopy identifies greater corneal nerve damage in patients with a recurrent compared to first ischemic stroke. <i>PLoS ONE</i> , <b>2020</b> , 15, e0231987   | 3.7  | 4  |
| 54 | Early nerve fibre regeneration in individuals with type 1 diabetes after simultaneous pancreas and kidney transplantation. <i>Diabetologia</i> , <b>2019</b> , 62, 1478-1487   | 10.3 | 59 |
| 53 | Association of corneal nerve fiber measures with cognitive function in dementia. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 689-697  | 5.3  | 35 |
| 52 | Hypertension Contributes to Neuropathy in Patients With Type 1 Diabetes. <i>American Journal of Hypertension</i> , <b>2019</b> , 32, 796-803   | 2.3  | 25 |
| 51 | An update on the diagnosis and treatment of diabetic somatic and autonomic neuropathy. <i>F1000Research</i> , <b>2019</b> , 8,   | 3.6  | 20 |
| 50 | Corneal nerve and endothelial cell damage in patients with transient ischemic attack and minor ischemic stroke. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213319   | 3.7  | 10 |
| 49 | Diagnosing and managing diabetic somatic and autonomic neuropathy. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2019</b> , 10, 2042018819826890  | 4.5  | 7  |
| 48 | Implementation of a Quality Index for Improvement of Quantification of Corneal Nerves in Corneal Confocal Microscopy Images: A Multicenter Study. <i>Cornea</i> , <b>2019</b> , 38, 921-926  | 3.1  | 5  |
| 47 | Smart Neuropathy Detection using Machine Intelligence: Filling the Void Between Clinical Practice and Early Diagnosis <b>2019</b> ,  |      | 3  |
| 46 | Corneal confocal microscopy detects severe small fiber neuropathy in diabetic patients with Charcot neuroarthropathy. <i>Journal of Diabetes Investigation</i> , <b>2018</b> , 9, 1167-1172  | 3.9  | 15 |

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| 45 | Diagnosing Diabetic Neuropathy: Something Old, Something New. <i>Diabetes and Metabolism Journal</i> , <b>2018</b> , 42, 255-269   | 5    | 53 |
| 44 | Peripheral neuropathy in patients with multiple sclerosis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193270  | 3.7  | 16 |
| 43 | Corneal Confocal Microscopy detects a Reduction in Corneal Endothelial Cells and Nerve Fibres in Patients with Acute Ischemic Stroke. <i>Scientific Reports</i> , <b>2018</b> , 8, 17333                                       | 4.9  | 13 |
| 42 | No Relation Between the Severity of Corneal Nerve, Epithelial, and Keratocyte Cell Morphology With Measures of Dry Eye Disease in Type 1 Diabetes <b>2018</b> , 59, 5525-5530  |      | 10 |
| 41 | Corneal confocal microscopy: Neurologic disease biomarker in Friedreich ataxia. <i>Annals of Neurology</i> , <b>2018</b> , 84, 893-904   | 9.4  | 24 |
| 40 | 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> , <b>2018</b> , 32, 1153-1159 | 3.2  | 25 |
| 39 | Corneal Nerve Fractal Dimension: A Novel Corneal Nerve Metric for the Diagnosis of Diabetic Sensorimotor Polyneuropathy <b>2018</b> , 59, 1113-1118  |      | 46 |
| 38 | 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> , <b>2018</b> , 34, e3044                                 | 7.5  | 12 |
| 37 | An Automatic Tool for Quantification of Nerve Fibers in Corneal Confocal Microscopy Images. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 786-794   | 5    | 78 |
| 36 | Spinal Disinhibition in Experimental and Clinical Painful Diabetic Neuropathy. <i>Diabetes</i> , <b>2017</b> , 66, 1380-1390   | 3.9  | 41 |
| 35 | Use of Corneal Confocal Microscopy to Evaluate Small Nerve Fibers in Patients With Human Immunodeficiency Virus. <i>JAMA Ophthalmology</i> , <b>2017</b> , 135, 795-800  | 3.9  | 46 |
| 34 | Small-fibre neuropathy in men with type 1 diabetes and erectile dysfunction: a cross-sectional study. <i>Diabetologia</i> , <b>2017</b> , 60, 1094-1101  | 10.3 | 23 |
| 33 | Corneal Confocal Microscopy Detects Corneal Nerve Damage in Patients Admitted With Acute Ischemic Stroke. <i>Stroke</i> , <b>2017</b> , 48, 3012-3018  | 6.7  | 19 |
| 32 | Corneal Confocal Microscopy: An Imaging Endpoint for Axonal Degeneration in Multiple Sclerosis <b>2017</b> , 58, 3677-3681   |      | 50 |
| 31 | Cibinetide Improves Corneal Nerve Fiber Abundance in Patients With Sarcoidosis-Associated Small Nerve Fiber Loss and Neuropathic Pain <b>2017</b> , 58, BIO52-BIO60  |      | 69 |
| 30 | Diagnostic utility of corneal confocal microscopy and intra-epidermal nerve fibre density in diabetic neuropathy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180175   | 3.7  | 94 |
| 29 | Vitamin D for the treatment of painful diabetic neuropathy. <i>BMJ Open Diabetes Research and Care</i> , <b>2016</b> , 4, e000148  | 4.5  | 57 |
| 28 | NerveCheck for the Detection of Sensory Loss and Neuropathic Pain in Diabetes. <i>Diabetes Technology and Therapeutics</i> , <b>2016</b> , 18, 800-805   | 8.1  | 8  |

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| 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> , <b>2016</b> , 11, 284-294                           | 1.7  | 5   |
| 26 | Corneal confocal microscopy in chronic inflammatory demyelinating polyneuropathy. <i>Annals of Clinical and Translational Neurology</i> , <b>2016</b> , 3, 88-100   | 5.3  | 56  |
| 25 | 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> , <b>2015</b> , 38, e3-4 | 14.6 | 45  |
| 24 | Small nerve fiber quantification in the diagnosis of diabetic sensorimotor polyneuropathy: comparing corneal confocal microscopy with intraepidermal nerve fiber density. <i>Diabetes Care</i> , <b>2015</b> , 38, 1138-44                    | 14.6 | 160 |
| 23 | Normative values for corneal nerve morphology assessed using corneal confocal microscopy: a multinational normative data set. <i>Diabetes Care</i> , <b>2015</b> , 38, 838-43   | 14.6 | 113 |
| 22 | Response to comment on Malik. Which test for diagnosing early human diabetic neuropathy? <i>Diabetes</i> 2014;63:2206-2208. <i>Diabetes</i> , <b>2015</b> , 64, e2-3  | 0.9  |     |
| 21 | Small Fiber Neuropathy in Patients With Latent Autoimmune Diabetes in Adults. <i>Diabetes Care</i> , <b>2015</b> , 38, e102-3   | 14.6 | 3   |
| 20 | Focused Tortuosity Definitions Based on Expert Clinical Assessment of Corneal Subbasal Nerves <b>2015</b> , 56, 5102-9  |      | 30  |
| 19 | Corneal confocal microscopy detects neuropathy in patients with type 1 diabetes without retinopathy or microalbuminuria. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123517   | 3.7  | 61  |
| 18 | Automated Quantification of Neuropad Improves Its Diagnostic Ability in Patients with Diabetic Neuropathy. <i>Journal of Diabetes Research</i> , <b>2015</b> , 2015, 847854   | 3.9  | 17  |
| 17 | Corneal Confocal Microscopy Identifies Small-Fiber Neuropathy in Subjects With Impaired Glucose Tolerance Who Develop Type 2 Diabetes. <i>Diabetes Care</i> , <b>2015</b> , 38, 1502-8  | 14.6 | 98  |
| 16 | The Inferior Whorl For Detecting Diabetic Peripheral Neuropathy Using Corneal Confocal Microscopy <b>2015</b> , 56, 2498-504  |      | 56  |
| 15 | Small fiber neuropathy in Parkinson's disease: A clinical, pathological and corneal confocal microscopy study. <i>Parkinsonism and Related Disorders</i> , <b>2015</b> , 21, 1454-60  | 3.6  | 97  |
| 14 | Treatment of painful diabetic neuropathy. <i>Therapeutic Advances in Chronic Disease</i> , <b>2015</b> , 6, 15-28   | 4.9  | 109 |
| 13 | ARA 290, a nonerythropoietic peptide engineered from erythropoietin, improves metabolic control and neuropathic symptoms in patients with type 2 diabetes. <i>Molecular Medicine</i> , <b>2015</b> , 20, 658-66                               | 6.2  | 90  |
| 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> , <b>2015</b> , 10, e0139394                  | 3.7  | 61  |
| 11 | Corneal confocal microscopy detects neuropathy in subjects with impaired glucose tolerance. <i>Diabetes Care</i> , <b>2014</b> , 37, 2643-6   | 14.6 | 115 |
| 10 | 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> , <b>2014</b> , 104, 248-56                     | 7.4  | 62  |

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| 9 | Rapid automated diagnosis of diabetic peripheral neuropathy with in vivo corneal confocal microscopy <b>2014</b> , 55, 2071-8   |      | 151 |
| 8 | Differential effects of different vitamin D replacement strategies in patients with diabetes. <i>Journal of Diabetes and Its Complications</i> , <b>2014</b> , 28, 66-70                            | 3.2  | 7   |
| 7 | Corneal confocal microscopy detects early nerve regeneration in diabetic neuropathy after simultaneous pancreas and kidney transplantation. <i>Diabetes</i> , <b>2013</b> , 62, 254-60              | 0.9  | 192 |
| 6 | Corneal nerve loss detected with corneal confocal microscopy is symmetrical and related to the severity of diabetic polyneuropathy. <i>Diabetes Care</i> , <b>2013</b> , 36, 3646-51                | 14.6 | 123 |
| 5 | Corneal confocal microscopy to assess diabetic neuropathy: an eye on the foot. <i>Journal of Diabetes Science and Technology</i> , <b>2013</b> , 7, 1179-89   | 4.1  | 64  |
| 4 | Repeatability of in vivo corneal confocal microscopy to quantify corneal nerve morphology. <i>Cornea</i> , <b>2013</b> , 32, e83-9  | 3.1  | 124 |
| 3 | Assessing corneal nerve structure and function in diabetic neuropathy. <i>Australasian journal of optometry, The</i> , <b>2012</b> , 95, 338-47   | 2.7  | 41  |
| 2 | Corneal confocal microscopy detects small-fiber neuropathy in Charcot-Marie-Tooth disease type 1A patients. <i>Muscle and Nerve</i> , <b>2012</b> , 46, 698-704                                     | 3.4  | 67  |
| 1 | Novel insights on diagnosis, cause and treatment of diabetic neuropathy: focus on painful diabetic neuropathy. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2010</b> , 1, 69-88 | 4.5  | 12  |