

Mitra Tavakoli

List of Publications by Year in descending order

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86
papers

5,304
citations

109137

35
h-index

95083

68
g-index

88
all docs

88
docs citations

88
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	Surrogate Markers of Small Fiber Damage in Human Diabetic Neuropathy. <i>Diabetes</i> , 2007, 56, 2148-2154.	0.3	455
2	Corneal Confocal Microscopy. <i>Diabetes Care</i> , 2010, 33, 1792-1797.	4.3	306
3	Automatic analysis of diabetic peripheral neuropathy using multi-scale quantitative morphology of nerve fibres in corneal confocal microscopy imaging. <i>Medical Image Analysis</i> , 2011, 15, 738-747.	7.0	238
4	Corneal Confocal Microscopy Detects Early Nerve Regeneration After Pancreas Transplantation in Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2007, 30, 2608-2612.	4.3	225
5	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
6	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
7	Rapid Automated Diagnosis of Diabetic Peripheral Neuropathy With In Vivo Corneal Confocal Microscopy. , 2014, 55, 2071.		189
8	Corneal confocal microscopy: A novel means to detect nerve fibre damage in idiopathic small fibre neuropathy. <i>Experimental Neurology</i> , 2010, 223, 245-250.	2.0	166
9	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
10	Normative Values for Corneal Nerve Morphology Assessed Using Corneal Confocal Microscopy: A Multinational Normative Data Set. <i>Diabetes Care</i> , 2015, 38, 838-843.	4.3	150
11	Repeatability of In Vivo Corneal Confocal Microscopy to Quantify Corneal Nerve Morphology. <i>Cornea</i> , 2013, 32, e83-e89.	0.9	148
12	Corneal Confocal Microscopy Detects Neuropathy in Subjects With Impaired Glucose Tolerance. <i>Diabetes Care</i> , 2014, 37, 2643-2646.	4.3	137
13	Corneal confocal microscopy: A novel noninvasive means to diagnose neuropathy in patients with fabry disease. <i>Muscle and Nerve</i> , 2009, 40, 976-984.	1.0	130
14	Corneal confocal microscopy detects improvement in corneal nerve morphology with an improvement in risk factors for diabetic neuropathy. <i>Diabetic Medicine</i> , 2011, 28, 1261-1267.	1.2	130
15	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
16	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
17	An Automatic Tool for Quantification of Nerve Fibers in Corneal Confocal Microscopy Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 786-794.	2.5	118
18	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

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19	Corneal Sensitivity Is Reduced and Relates to the Severity of Neuropathy in Patients With Diabetes. <i>Diabetes Care</i> , 2007, 30, 1895-1897.	4.3	116
20	Corneal confocal microscopy for identification of diabetic sensorimotor polyneuropathy: a pooled multinational consortium study. <i>Diabetologia</i> , 2018, 61, 1856-1861.	2.9	103
21	Corneal Sensitivity and Slit Scanning In Vivo Confocal Microscopy of the Subbasal Nerve Plexus of the Normal Central and Peripheral Human Cornea. <i>Cornea</i> , 2009, 28, 735-740.	0.9	94
22	Corneal confocal microscopy detects small fiber neuropathy in Charcotâ€“Marieâ€“Tooth disease type 1A patients. <i>Muscle and Nerve</i> , 2012, 46, 698-704.	1.0	89
23	Corneal Confocal Microscopy: A Novel Non-invasive Technique to Quantify Small Fibre Pathology in Peripheral Neuropathies. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	87
24	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
25	Increased Langerhan cell density and corneal nerve damage in diabetic patients: Role of immune mechanisms in human diabetic neuropathy. <i>Contact Lens and Anterior Eye</i> , 2011, 34, 7-11.	0.8	79
26	Corneal Confocal Microscopy to Assess Diabetic Neuropathy: An Eye on the Foot. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 1179-1189.	1.3	76
27	Corneal Confocal Microscopy Detects Neuropathy in Patients with Type 1 Diabetes without Retinopathy or Microalbuminuria. <i>PLoS ONE</i> , 2015, 10, e0123517.	1.1	75
28	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
29	The Inferior Whorl For Detecting Diabetic Peripheral Neuropathy Using Corneal Confocal Microscopy. , 2015, 56, 2498.		73
30	Clinical applications of corneal confocal microscopy. <i>Clinical Ophthalmology</i> , 2008, 2, 435.	0.9	66
31	Dual-Model Automatic Detection of Nerve-Fibres in Corneal Confocal Microscopy Images. <i>Lecture Notes in Computer Science</i> , 2010, 13, 300-307.	1.0	61
32	Spinal Disinhibition in Experimental and Clinical Painful Diabetic Neuropathy. <i>Diabetes</i> , 2017, 66, 1380-1390.	0.3	58
33	Corneal confocal microscopy for the diagnosis of diabetic autonomic neuropathy. <i>Muscle and Nerve</i> , 2015, 52, 363-370.	1.0	57
34	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
35	Assessing corneal nerve structure and function in diabetic neuropathy. <i>Australasian journal of optometry</i> , The, 2012, 95, 338-347.	0.6	52
36	Improvement in Neuropathy Outcomes With Normalizing HbA1c in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2019, 42, 110-118.	4.3	51

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37	Advances in Screening, Early Diagnosis and Accurate Staging of Diabetic Neuropathy. <i>Frontiers in Endocrinology</i> , 2021, 12, 671257.	1.5	44
38	Rapid Corneal Nerve Fiber Loss: A Marker of Diabetic Neuropathy Onset and Progression. <i>Diabetes Care</i> , 2020, 43, 1829-1835.	4.3	40
39	The diagnostic accuracy of Neuropad [®] for assessing large and small fibre diabetic neuropathy. <i>Diabetic Medicine</i> , 2014, 31, 1673-1680.	1.2	37
40	Pathophysiology and treatment of painful diabetic neuropathy. <i>Current Pain and Headache Reports</i> , 2008, 12, 192-197.	1.3	32
41	Focused Tortuosity Definitions Based on Expert Clinical Assessment of Corneal Subbasal Nerves. , 2015, 56, 5102.		32
42	Network topology of NaV1.7 mutations in sodium channel-related painful disorders. <i>BMC Systems Biology</i> , 2017, 11, 28.	3.0	29
43	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
44	The Reliability and Reproducibility of Corneal Confocal Microscopy in Children. , 2015, 56, 5636.		28
45	Corneal Confocal Microscopy Predicts the Development of Diabetic Neuropathy: A Longitudinal Diagnostic Multinational Consortium Study. <i>Diabetes Care</i> , 2021, 44, 2107-2114.	4.3	28
46	The Expanded Bead Size of Corneal C-Nerve Fibers Visualized by Corneal Confocal Microscopy Is Associated with Slow Conduction Velocity of the Peripheral Nerves in Patients with Type 2 Diabetes Mellitus. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	27
47	Management of painful diabetic neuropathy. <i>Expert Opinion on Pharmacotherapy</i> , 2008, 9, 2969-2978.	0.9	25
48	NR/SBR/organoclay nanocomposites: Effects of molecular interactions upon the clay microstructure and mechano-dynamic properties. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1853-1864.	1.3	24
49	The acceptability and feasibility of corneal confocal microscopy to detect early diabetic neuropathy in children: a pilot study. <i>Diabetic Medicine</i> , 2013, 30, 630-631.	1.2	23
50	Recent developments in the assessment of efficacy in clinical trials of diabetic neuropathy. <i>Current Diabetes Reports</i> , 2005, 5, 417-422.	1.7	22
51	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
52	Rare human nerve growth factor- β mutation reveals relationship between C-afferent density and acute pain evaluation. <i>Journal of Neurophysiology</i> , 2016, 116, 425-430.	0.9	17
53	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.	1.7	17
54	Review: 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.	1.4	15

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55	Ophthalmic Biomarkers for Alzheimer's Disease: A Review. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 720167.	1.7	15
56	Clinical and diagnostic features of small fiber damage in diabetic polyneuropathy. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2014, 126, 275-290.	1.0	13
57	Blepharoptosis Associated With Third Cranial Nerve Palsy. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2015, 31, 357-360.	0.4	12
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	Diabetic Neuropathy: Current Status and Future Prospects. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-2.	1.0	12
60	Small Fibre Neuropathy Is Associated With Impaired Vascular Endothelial Function in Patients With Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2021, 12, 653277.	1.5	11
61	The Preferential Impairment of Pupil Constriction Stimulated by Blue Light in Patients with Type 2 Diabetes without Autonomic Neuropathy. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-11.	1.0	10
62	556-P: Noninvasive Measurements of AGE Products in the Crystalline Lens of the Eye Can Distinguish Subjects with Prediabetes and Type 2 Diabetes and Correlated with Severity of Neuropathy. <i>Diabetes</i> , 2019, 68, 556-P.	0.3	10
63	Comparable vitamin D3 metabolism in the endometrium of patients with recurrent spontaneous abortion and fertile controls. <i>Molecular Reproduction and Development</i> , 2015, 82, 356-364.	1.0	9
64	Impact of Normoglycemia in Reducing Microvascular Complications in Patients with Type 2 Diabetes: A Follow-Up Study. <i>Frontiers in Endocrinology</i> , 2018, 9, 52.	1.5	9
65	Thinning of Macular Neuroretinal Layers Contributes to Sleep Disorder in Patients With Type 2 Diabetes Without Clinical Evidences of Neuropathy and Retinopathy. <i>Frontiers in Endocrinology</i> , 2020, 11, 69.	1.5	6
66	Small Fiber Neuropathy in Patients With Latent Autoimmune Diabetes in Adults. <i>Diabetes Care</i> , 2015, 38, e102-e103.	4.3	4
67	The Impact of Glycemic Control on Retinal Photoreceptor Layers and Retinal Pigment Epithelium in Patients With Type 2 Diabetes Without Diabetic Retinopathy: A Follow-Up Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 614161.	1.5	4
68	Review: Microvascular complications: evaluation and monitoring relevance to clinical practice, clinical trials, and drug development. <i>British Journal of Diabetes and Vascular Disease</i> , 2007, 7, 166-171.	0.6	3
69	Sodium Glucose Cotransporter-2 Inhibitor Protects Against Diabetic Neuropathy and Nephropathy in Modestly Controlled Type 2 Diabetes: Follow-Up Study. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
70	Coincident optimization of specific volume and tensile strength at acrylic high-bulked yarn using Taguchi method. <i>Journal of the Textile Institute</i> , 2015, 106, 1328-1337.	1.0	2
71	Results of an International Corneal Confocal Microscopy (CCM) Consortium: A Pooled Multicentre Analysis of the Concurrent Diagnostic Validity of CCM to Identify Diabetic Polyneuropathy in Type 1 Diabetes Mellitus. <i>Canadian Journal of Diabetes</i> , 2016, 40, S20.	0.4	2
72	324-OR: Rapid Corneal Nerve Fibre Loss Predicts Neuropathy Progression in Diabetes: A Longitudinal Multinational Consortium Study. <i>Diabetes</i> , 2019, 68, .	0.3	2

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73	Re: "Increased Langerhan cell density and corneal nerve damage in diabetic patients: Role of immune mechanisms in human diabetic neuropathy" by Tavakoli et al.. Contact Lens and Anterior Eye, 2011, 34, 98.	0.8	0
74	Reply to letter from Dr Zhivov and Dr Stachs. Contact Lens and Anterior Eye, 2011, 34, 99.	0.8	0
75	Corneal confocal microscopy: Beyond corneal defects! Translational studies in diabetes and neurology. Contact Lens and Anterior Eye, 2013, 36, e1.	0.8	0
76	Response to Comment on Malik. Which Test for Diagnosing Early Human Diabetic Neuropathy? Diabetes 2014;63:2206-2208. Diabetes, 2015, 64, e2-e3.	0.3	0
77	Results of an International Corneal Confocal Microscopy (CCM) Consortium: A Pooled Multicentre Analysis of the Concurrent Diagnostic Validity of CCM to Identify Diabetic Polyneuropathy in Type 2 Diabetes Mellitus. Canadian Journal of Diabetes, 2016, 40, S73.	0.4	0
78	The Reference Distribution of Annual Change in Corneal Nerve Fibre Length in Diabetes. Canadian Journal of Diabetes, 2018, 42, S10.	0.4	0
79	Advances in the Diagnosis and Treatment of Painful Diabetic Neuropathy. European Endocrinology, 2008, 4, 48.	0.8	0
80	Chapter 2 Pathogenesis of human diabetic neuropathy. , 2009, , .		0
81	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
82	The Impact of Normoglycemia in Reducing Microvascular Complications in Patients with Type 2 Diabetes" A Follow-Up Study. Diabetes, 2018, 67, .	0.3	0
83	The Reference Distribution of Annual Change in Corneal Nerve Fibre Length in Diabetes Mellitus. Diabetes, 2018, 67, .	0.3	0
84	323-OR: Prediction of Future Neuropathy Onset Using Corneal Confocal Microscopy: A Longitudinal Multinational Consortium Study. Diabetes, 2019, 68, 323-OR.	0.3	0
85	557-P: Impact of Extensive HbA1c Control on Major Microvascular Complications in Type 2 Diabetes Mellitus with Short Duration of Disease. Diabetes, 2019, 68, .	0.3	0
86	Advances in screening, early diagnosis, and accurate staging of diabetic neuropathy. , 2022, , 47-78.		0