Kai-Jung Chen

List of Publications by Year
in descending order

14 papers	325 citations	1478505 6 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	266 citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Corneal Biomechanical Behavior in-vivo for Healthy Eyes Using CorVis ST Tonometry: Stress-Strain Index. Frontiers in Bioengineering and Biotechnology, 2019, 7, 105.	4.1	138
2	Ex-vivo experimental validation of biomechanically-corrected intraocular pressure measurements on human eyes using the CorVis ST. Experimental Eye Research, 2018, 175, 98-102.	2.6	60
3	The Relationship Between Mechanical Properties, Ultrastructural Changes, and Intrafibrillar Bond Formation in Corneal UVA/Riboflavin Cross-linking Treatment for Keratoconus. Journal of Refractive Surgery, 2018, 34, 264-272.	2.3	38
4	Development and validation of a new intraocular pressure estimate for patients with soft corneas. Journal of Cataract and Refractive Surgery, 2019, 45, 1316-1323.	1.5	24
5	Clinical evaluation of a new correction algorithm for dynamic Scheimpflug analyzer tonometry before and after laser in situ keratomileusis and small-incision lenticule extraction. Journal of Cataract and Refractive Surgery, 2018, 44, 581-588.	1.5	22
6	Simulation of Air Puff Tonometry Test Using Arbitrary Lagrangian–Eulerian (ALE) Deforming Mesh for Corneal Material Characterisation. International Journal of Environmental Research and Public Health, 2020, 17, 54.	2.6	22
7	Fluid-Structure Interaction Based Algorithms for IOP and Corneal Material Behavior. Frontiers in Bioengineering and Biotechnology, 2020, 8, 970.	4.1	11
8	Irrigating methicillin‐resistant <i>Staphylococcus aureus</i>‐colonised and ‐infected chronic wounds with tap water. International Wound Journal, 2013, 10, 359-359.	2.9	4
9	Applying a Stable Dynamic walking mode of Humanoid Robot Based on Adaptive Fuzzy Control. , 2019, , .		3
10	Research on Novel Normal Fuzzy Kalman Filter for Speech Enhancement in Noisy Environment. , 2021, , .		2
11	Biomechanically Corrected IOP Measurement. Highlights of Ophthalmology, 2016, 44, 7-8.	0.0	1
12	Embedded System for PCB Soldering Platform Controller Design. Advanced Materials Research, 2012, 472-475, 2471-2475.	0.3	0
13	Design of Active Disturbance Rejection Control Architecture for Bicycle Automatic Transmission. , 2019, , .		0
14	Advanced Proportional-Integral-Derivative Control Compensation Based on a Grey Estimated Model in Dynamic Balance of Single-Wheeled Robot. Axioms, 2021, 10, 326.	1.9	0