

Akram A Joda

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

333
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and validation of a correction equation for Corvis tonometry. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 943-953.	1.6	129
2	Stress free configuration of the human eye. <i>Medical Engineering and Physics</i> , 2013, 35, 211-216.	1.7	57
3	Ex vivo testing of intact eye globes under inflation conditions to determine regional variation of mechanical stiffness. <i>Eye and Vision (London, England)</i> , 2016, 3, 21.	3.0	49
4	Multiphysics simulation of the effect of leaflet thickness inhomogeneity and material anisotropy on the stress-strain distribution on the aortic valve. <i>Journal of Biomechanics</i> , 2016, 49, 2502-2512.	2.1	26
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. <i>Journal of Cataract and Refractive Surgery</i> , 2018, 44, 581-588.	1.5	22
6	Assessment of the Ocular Response Analyzer as an Instrument for Measurement of Intraocular Pressure and Corneal Biomechanics. <i>Current Eye Research</i> , 2015, 40, 1111-1119.	1.5	19
7	Influence of glucocorticosteroids on the biomechanical properties of in-vivo rabbit cornea. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 350-359.	3.1	17
8	Integration of instrumental neutron activation analysis and inductively coupled plasma-optical emission spectrometry with mathematical modeling for the elemental analysis of plants. <i>Instrumentation Science and Technology</i> , 2017, 45, 525-540.	1.8	7
9	Comparison of a fixed-grid and arbitrary Lagrangian-Eulerian methods on modelling fluid-structure interaction of the aortic valve. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 544-553.	1.8	5
10	Compressive behaviour of soft contact lenses and its effect on refractive power on the eye and handling off the eye. <i>PLoS ONE</i> , 2021, 16, e0247194.	2.5	2
11	Fluid-Structure Interaction study of a vibration-based intraocular pressure measurements tonometer. , 2022, , .		0