Laura K Young

List of Publications by Year
in descending order

		1307594	940533
25 papers	**285** citations	**7** h-index	**16** g-index
26 all docs	**26** docs citations	**26** times ranked	**397** citing authors

#	Article	IF	Citations
1	Vision science and adaptive optics, the state of the field. Vision Research, 2017, 132, 3-33.	1.4	115
2	Deformable mirror model for open-loop adaptive optics using multivariate adaptive regression splines. Optics Express, 2010, 18, 6492.	3.4	36
3	Precise spatio-temporal control of rapid optogenetic cell ablation with mem-KillerRed in Zebrafish. Scientific Reports, 2017, 7, 5096.	3.3	28
4	CANARY: the on-sky NGS/LGS MOAO demonstrator for EAGLE. , 2008, , .		26
5	What makes a microsaccade? A review of 70 years research prompts a new detection method. Journal of Eye Movement Research, 2020, 12, .	0.8	13
6	Not all aberrations are equal: Reading impairment depends on aberration type and magnitude. Journal of Vision, 2011, 11, 20-20.	0.3	11
7	Accounting for the phase, spatial frequency and orientation demands of the task improves metrics based on the visual Strehl ratio. Vision Research, 2013, 90, 57-67.	1.4	8
8	Non-invasive in vivo quantification of the developing optical properties and graded index of the embryonic eye lens using SPIM. Biomedical Optics Express, 2018, 9, 2176.	2.9	8
9	Critical band masking reveals the effects of optical distortions on the channel mediating letter identification. Frontiers in Psychology, 2014, 5, 1060.	2.1	7
10	Compact, modular and in-plane AOSLO for high-resolution retinal imaging. Biomedical Optics Express, 2018, 9, 4275.	2.9	6
11	Feature issue introduction: applications of adaptive optics. Optics Express, 2021, 29, 11533.	3.4	5
12	Deformable mirror controller for open-loop adaptive optics. Proceedings of SPIE, 2008, , .	0.8	4
13	Different aberrations raise contrast thresholds for single-letter identification in line with their effect on cross-correlation-based confusability. Journal of Vision, 2013, 13, 12-12.	0.3	4
14	In vivo, Ex Vivo, and In Vitro Approaches to Study Intermediate Filaments in the Eye Lens. Methods in Enzymology, 2016, 568, 581-611.	1.0	4
15	Comparison between optical and digital blur using near visual acuity. Scientific Reports, 2021, 11, 3437.	3.3	4
16	Emulated retinal image capture (ERICA) to test, train and validate processing of retinal images. Scientific Reports, 2021, 11, 11225.	3.3	3
17	Using SPIM to track the development of the focal power of the zebrafish lens. Proceedings of SPIE, 2015, , .	0.8	1
18	Recording fixational eye movements with a new AOSLO: simulation, measurement and evaluation. Journal of Vision, 2017, 17, 34.	0.3	1

#	Article	IF	Citations
19	Design, manufacture, and evaluation of prototype telescope windows for use in low-vision aids. , 2017, , .		1
20	Deformable mirror models for open-loop adaptive optics using non-parametric estimation techniques. , 2010, , .		0
21	Telescope windows: development of a novel pixellated optical system. , 2017, , .		0
22	Magnifying Grains of Sand, Seeds, and Blades of Grass: Optical Effects in Robert Grosseteste's <i>De iride</i> (<i>On the Rainbow</i>) (circa 1228–1230). Isis, 2021, 112, 93-107.	0.5	0
23	British Congress of Optometry and Vision Science 2021. Ophthalmic and Physiological Optics, 2022, 42, 226-229.	2.0	0
24	A new concept of imaging system: telescope windows. , 2018, , .		0
25	Simultaneous Optimisation of Confocal and Non-confocal Images in an AOSLO with a Reconfigurable Aperture Pattern. Communications in Computer and Information Science, 2020, , 410-419.	0.5	0