Sieu K Khuu

List of Publications by Year in Descending Order

80 papers	924 citations	19 h-index	25 g-index
84 ext. papers	1,079 ext. citations	2.3 avg, IF	4.69 L-index

#	Paper	IF	Citations
80	Evaluating the extent of change in near point of convergence in traumatic brain injury: a systematic review and meta-analysis.. *Brain Injury*, **2022**, 1-15	2.1	
79	Clinical Evaluations of Macular Structure-Function Concordance With and Without Drasdo Displacement.. *Translational Vision Science and Technology*, **2022**, 11, 18	3.3	4
78	Prediction of Retinal Ganglion Cell Counts Considering Various Displacement Methods From OCT-Derived Ganglion Cell-Inner Plexiform Layer Thickness.. *Translational Vision Science and Technology*, **2022**, 11, 13	3.3	3
77	Modelling the effect of light through commercially available blue-blocking lenses on the human circadian system. *Australasian journal of optometry, The*, **2021**, 1-6	2.7	1
76	Visuospatial Attention Allocation as an Indicator of Cognitive Deficit in Traumatic Brain Injury: A Systematic Review and Meta-Analysis. *Frontiers in Human Neuroscience*, **2021**, 15, 675376	3.3	0
75	Visual processing abilities associated with piano music sight-reading expertise. *Psychology of Music*, **2021**, 49, 1006-1016	1.2	2
74	Effect of blue-blocking lenses on colour contrast sensitivity. *Australasian journal of optometry, The*, **2021**, 104, 207-214	2.7	1
73	The effect of blue light filtering lenses on speed perception. *Scientific Reports*, **2021**, 11, 17583	4.9	1
72	Visualizing the Consistency of Clinical Characteristics that Distinguish Healthy Persons, Glaucoma Suspect Patients, and Manifest Glaucoma Patients. *Ophthalmology Glaucoma*, **2020**, 3, 274-287	2.2	9
71	The Effect of Blue-blocking Lenses on Photostress Recovery Times. *Optometry and Vision Science*, **2020**, 97, 995-1004	2.1	1
70	Changes in aniseikonia of an axial anisometrope at various stages of orthokeratology lens wear. *Contact Lens and Anterior Eye*, **2020**, 43, 60-64	4.1	
69	Validation of a novel functional test for assessing metamorphopsia using epiretinal membranes as a model. *Scientific Reports*, **2020**, 10, 14938	4.9	1
68	Modelling the effect of commercially available blue-blocking lenses on visual and non-visual functions. *Australasian journal of optometry, The*, **2020**, 103, 339-346	2.7	7
67	Populations Norms for "SLURP"-An iPad App for Quantification of Visuomotor Coordination Testing. *Frontiers in Neuroscience*, **2019**, 13, 711	5.1	4
66	Clinical Evaluation of Swedish Interactive Thresholding Algorithm-Faster Compared With Swedish Interactive Thresholding Algorithm-Standard in Normal Subjects, Glaucoma Suspects, and Patients With Glaucoma. *American Journal of Ophthalmology*, **2019**, 208, 251-264	4.9	28
65	Contrast sensitivity isocontours of the central visual field. *Scientific Reports*, **2019**, 9, 11603	4.9	7
64	Development of a Spatial Model of Age-Related Change in the Macular Ganglion Cell Layer to Predict Function From Structural Changes. *American Journal of Ophthalmology*, **2019**, 208, 166-177	4.9	23

63	Optimising the Structure-Function Relationship at the Locus of Deficit in Retinal Disease. *Frontiers in Neuroscience*, **2019**, 13, 306	5.1	6
62	Ocular surface and tear film changes in workers exposed to organic solvents used in the dry-cleaning industry. *PLoS ONE*, **2019**, 14, e0226042	3.7	
61	Anterior Chamber Angle Evaluation Using Gonioscopy: Consistency and Agreement between Optometrists and Ophthalmologists. *Optometry and Vision Science*, **2019**, 96, 751-760	2.1	14
60	Optical treatment of amblyopia: a systematic review and meta-analysis. *Australasian journal of optometry, The*, **2018**, 101, 431-442	2.7	13
59	Deficits in saccades and smooth-pursuit eye movements in adults with traumatic brain injury: a systematic review and meta-analysis. *Brain Injury*, **2018**, 32, 1315-1336	2.1	30
58	Consistency of Structure-Function Correlation Between Spatially Scaled Visual Field Stimuli and In Vivo OCT Ganglion Cell Counts **2018**, 59, 1693-1703		23
57	Neutralizing Peripheral Refraction Eliminates Refractive Scotomata in Tilted Disc Syndrome. *Optometry and Vision Science*, **2018**, 95, 959-970	2.1	4
56	Differences in Static and Kinetic Perimetry Results are Eliminated in Retinal Disease when Psychophysical Procedures are Equated. *Translational Vision Science and Technology*, **2018**, 7, 22	3.3	5
55	Application of Pattern Recognition Analysis to Optimize Hemifield Asymmetry Patterns for Early Detection of Glaucoma. *Translational Vision Science and Technology*, **2018**, 7, 3	3.3	8
54	A Method Using Goldmann Stimulus Sizes I to V-Measured Sensitivities to Predict Lead Time Gained to Visual Field Defect Detection in Early Glaucoma. *Translational Vision Science and Technology*, **2018**, 7, 17	3.3	10
53	How Many Subjects are Needed for a Visual Field Normative Database? A Comparison of Ground Truth and Bootstrapped Statistics. *Translational Vision Science and Technology*, **2018**, 7, 1	3.3	8
52	Reducing Spatial Uncertainty Through Attentional Cueing Improves Contrast Sensitivity in Regions of the Visual Field With Glaucomatous Defects. *Translational Vision Science and Technology*, **2018**, 7, 8	3.3	16
51	A comparison of Goldmann III, V and spatially equated test stimuli in visual field testing: the importance of complete and partial spatial summation. *Ophthalmic and Physiological Optics*, **2017**, 37, 160-176	4.1	25
50	Pattern Recognition Analysis Reveals Unique Contrast Sensitivity Isocontours Using Static Perimetry Thresholds Across the Visual Field **2017**, 58, 4863-4876		25
49	Pattern Recognition Analysis of Age-Related Retinal Ganglion Cell Signatures in the Human Eye **2017**, 58, 3086-3099		26
48	The value of visual field testing in the era of advanced imaging: clinical and psychophysical perspectives. *Australasian journal of optometry, The*, **2017**, 100, 313-332	2.7	45
47	Vection depends on perceived surface properties. *Attention, Perception, and Psychophysics*, **2016**, 78, 1163-73	2	8
46	The Effect of Local Orientation Change on the Detection of Contours Defined by Constant Curvature: Psychophysics and Image Statistics. *Frontiers in Psychology*, **2016**, 7, 2069	3.4	

45	Music sight-reading expertise, visually disrupted score and eye movements. *Journal of Eye Movement Research*, **2016**, 9,	1.7	5
44	The perception of three-dimensional contours and the effect of luminance polarity and color change on their detection. *Journal of Vision*, **2016**, 16, 31	0.4	1
43	Physiologic statokinetic dissociation is eliminated by equating static and kinetic perimetry testing procedures. *Journal of Vision*, **2016**, 16, 5	0.4	10
42	The Effect of Attentional Cueing and Spatial Uncertainty in Visual Field Testing. *PLoS ONE*, **2016**, 11, e0150922	3.7	15
41	Determining Spatial Summation and Its Effect on Contrast Sensitivity across the Central 20 Degrees of Visual Field. *PLoS ONE*, **2016**, 11, e0158263	3.7	14
40	Equating spatial summation in visual field testing reveals greater loss in optic nerve disease. *Ophthalmic and Physiological Optics*, **2016**, 36, 439-52	4.1	19
39	The Influence of Cast Shadows on the Detection of Three-Dimensional Curved Contour Structure. *Perception*, **2016**, 45, 425-42	1.2	6
38	Spatial summation across the central visual field: implications for visual field testing. *Journal of Vision*, **2015**, 15, 15.1.6	0.4	22
37	The Oculus Rift: a cost-effective tool for studying visual-vestibular interactions in self-motion perception. *Frontiers in Psychology*, **2015**, 6, 248	3.4	44
36	Standard Automated Perimetry: Determining Spatial Summation and Its Effect on Contrast Sensitivity Across the Visual Field **2015**, 56, 3565-76		28
35	Exposure to organic solvents used in dry cleaning reduces low and high level visual function. *PLoS ONE*, **2015**, 10, e0121422	3.7	8
34	Development of a novel approach to the assessment of eye-hand coordination. *Journal of Neuroscience Methods*, **2014**, 228, 50-6	3	15
33	Unconscious local motion alters global image speed. *PLoS ONE*, **2014**, 9, e112804	3.7	
32	The processing of coherent global form and motion patterns without visual awareness. *Frontiers in Psychology*, **2014**, 5, 195	3.4	15
31	The perception of three-dimensional cast-shadow structure is dependent on visual awareness. *Journal of Vision*, **2014**, 14, 25	0.4	6
30	A new spin on vection in depth. *Journal of Vision*, **2014**, 14, 5	0.4	18
29	Using the kinetic Zollner illusion to quantify the interaction between form and motion information in depth. *Vision Research*, **2013**, 83, 48-55	2.1	3
28	The effect of optical blur on central and peripheral word visual acuity. *Optometry and Vision Science*, **2013**, 90, 1443-9	2.1	

27	Conditioning the Mind□ Eye: Associative Learning With Voluntary Mental Imagery. *Clinical Psychological Science*, **2013**, 1, 390-400	6	25
26	The color "fruit": object memories defined by color. *PLoS ONE*, **2013**, 8, e64960	3.7	9
25	Context and crowding in perceptual learning on a peripheral contrast discrimination task: context-specificity in contrast learning. *PLoS ONE*, **2013**, 8, e63278	3.7	3
24	The influence of shape-from-shading information on the perception of global motion. *Vision Research*, **2012**, 55, 1-10	2.1	2
23	Detecting the structural form of cast shadows patterns. *Journal of Vision*, **2012**, 12,	0.4	3
22	The role of motion streaks in the perception of the kinetic Zollner illusion. *Journal of Vision*, **2012**, 12, 19	0.4	7
21	Efecto de la neurotoxicidad en la funci□ visual de trabajadores de lavado en seco. *Ciencia Y Tecnolog□a Para La Salud Visual Y Ocular*, **2012**, 10, 13	0.1	
20	The role of shape-from-shading information in the perception of local and global form in Glass patterns. *Journal of Vision*, **2011**, 11,	0.4	6
19	Configuration specificity of crowding in peripheral vision. *Vision Research*, **2011**, 51, 1239-48	2.1	19
18	The influence of spatial orientation on the perceived path of visual saltatory motion. *Journal of Vision*, **2011**, 11,	0.4	5
17	The effect of motion adaptation on the position of elements in the visual saltation illusion. *Journal of Vision*, **2010**, 10, 19	0.4	3
16	Apparent motion distorts the shape of a stimulus briefly presented along the motion path. *Journal of Vision*, **2010**, 10, 15	0.4	4
15	The effect of blur adaptation on accommodative response and pupil size during reading. *Journal of Vision*, **2010**, 10, 1	0.4	21
14	Moving Glass patterns: asymmetric interaction between motion and form. *Perception*, **2010**, 39, 447-63	1.2	15
13	Object speed derived from the integration of motion in the image plane and motion-in-depth signaled by stereomotion and looming. *Vision Research*, **2010**, 50, 904-13	2.1	4
12	Background motion and the perception of shape defined by illusory contours. *Journal of Vision*, **2009**, 9, 5.1-11	0.4	1
11	Interaction between complex motion patterns in the perception of shape. *Vision Research*, **2008**, 48, 167-78	2.1	4
10	Distortion in perceived image size accompanies flash lag in depth. *Journal of Vision*, **2008**, 8, 20.1-10	0.4	4

9	Apparent position in depth of stationary moving three-dimensional objects. *Vision Research*, **2007**, 47, 8-15	2.1	5
8	The role of luminance contrast in the detection of global structure in static and dynamic, same- and opposite-polarity, Glass patterns. *Vision Research*, **2007**, 47, 253-9	2.1	22
7	The perceived position shift of a pattern that contains internal motion is accompanied by a change in the pattern's apparent size and shape. *Vision Research*, **2007**, 47, 402-10	2.1	20
6	Global speed averaging is tuned for binocular disparity. *Vision Research*, **2006**, 46, 407-16	2.1	6
5	Interactions between luminance and contrast signals in global form detection. *Vision Research*, **2005**, 45, 881-9	2.1	51
4	Glass-pattern detection is tuned for stereo-depth. *Vision Research*, **2005**, 45, 2461-9	2.1	10
3	Steady viewing dissipates global structure. *Perception*, **2004**, 33, 121-5	1.2	12
2	Global speed processing: evidence for local averaging within, but not across two speed ranges. *Vision Research*, **2002**, 42, 3031-42	2.1	38
1	Independent first- and second-order motion energy analyses of optic flow. *Psychological Research*, **2001**, 65, 50-6	2.5	38