

# Sieu K Khuu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Interactions between luminance and contrast signals in global form detection. <i>Vision Research</i> , <b>2005</b> , 45, 881-9	2.1	51
79	The value of visual field testing in the era of advanced imaging: clinical and psychophysical perspectives. <i>Australasian journal of optometry, The</i> , <b>2017</b> , 100, 313-332	2.7	45
78	The Oculus Rift: a cost-effective tool for studying visual-vestibular interactions in self-motion perception. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 248	3.4	44
77	Independent first- and second-order motion energy analyses of optic flow. <i>Psychological Research</i> , <b>2001</b> , 65, 50-6	2.5	38
76	Global speed processing: evidence for local averaging within, but not across two speed ranges. <i>Vision Research</i> , <b>2002</b> , 42, 3031-42	2.1	38
75	Deficits in saccades and smooth-pursuit eye movements in adults with traumatic brain injury: a systematic review and meta-analysis. <i>Brain Injury</i> , <b>2018</b> , 32, 1315-1336	2.1	30
74	Clinical Evaluation of Swedish Interactive Thresholding Algorithm-Faster Compared With Swedish Interactive Thresholding Algorithm-Standard in Normal Subjects, Glaucoma Suspects, and Patients With Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 208, 251-264	4.9	28
73	Standard Automated Perimetry: Determining Spatial Summation and Its Effect on Contrast Sensitivity Across the Visual Field <b>2015</b> , 56, 3565-76		28
72	Pattern Recognition Analysis of Age-Related Retinal Ganglion Cell Signatures in the Human Eye <b>2017</b> , 58, 3086-3099		26
71	A comparison of Goldmann III, V and spatially equated test stimuli in visual field testing: the importance of complete and partial spatial summation. <i>Ophthalmic and Physiological Optics</i> , <b>2017</b> , 37, 160-176	4.1	25
70	Pattern Recognition Analysis Reveals Unique Contrast Sensitivity Isocontours Using Static Perimetry Thresholds Across the Visual Field <b>2017</b> , 58, 4863-4876		25
69	Conditioning the Mind's Eye: Associative Learning With Voluntary Mental Imagery. <i>Clinical Psychological Science</i> , <b>2013</b> , 1, 390-400	6	25
68	Development of a Spatial Model of Age-Related Change in the Macular Ganglion Cell Layer to Predict Function From Structural Changes. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 208, 166-177	4.9	23
67	Consistency of Structure-Function Correlation Between Spatially Scaled Visual Field Stimuli and In Vivo OCT Ganglion Cell Counts <b>2018</b> , 59, 1693-1703		23
66	Spatial summation across the central visual field: implications for visual field testing. <i>Journal of Vision</i> , <b>2015</b> , 15, 15.1.6	0.4	22
65	The role of luminance contrast in the detection of global structure in static and dynamic, same- and opposite-polarity, Glass patterns. <i>Vision Research</i> , <b>2007</b> , 47, 253-9	2.1	22
64	The effect of blur adaptation on accommodative response and pupil size during reading. <i>Journal of Vision</i> , <b>2010</b> , 10, 1	0.4	21

63	The perceived position shift of a pattern that contains internal motion is accompanied by a change in the pattern's apparent size and shape. <i>Vision Research</i> , <b>2007</b> , 47, 402-10	2.1	20
62	Configuration specificity of crowding in peripheral vision. <i>Vision Research</i> , <b>2011</b> , 51, 1239-48	2.1	19
61	Equating spatial summation in visual field testing reveals greater loss in optic nerve disease. <i>Ophthalmic and Physiological Optics</i> , <b>2016</b> , 36, 439-52	4.1	19
60	A new spin on vection in depth. <i>Journal of Vision</i> , <b>2014</b> , 14, 5	0.4	18
59	Reducing Spatial Uncertainty Through Attentional Cueing Improves Contrast Sensitivity in Regions of the Visual Field With Glaucomatous Defects. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 8	3.3	16
58	Development of a novel approach to the assessment of eye-hand coordination. <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 228, 50-6	3	15
57	The processing of coherent global form and motion patterns without visual awareness. <i>Frontiers in Psychology</i> , <b>2014</b> , 5, 195	3.4	15
56	Moving Glass patterns: asymmetric interaction between motion and form. <i>Perception</i> , <b>2010</b> , 39, 447-63	1.2	15
55	The Effect of Attentional Cueing and Spatial Uncertainty in Visual Field Testing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150922	3.7	15
54	Determining Spatial Summation and Its Effect on Contrast Sensitivity across the Central 20 Degrees of Visual Field. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158263	3.7	14
53	Anterior Chamber Angle Evaluation Using Gonioscopy: Consistency and Agreement between Optometrists and Ophthalmologists. <i>Optometry and Vision Science</i> , <b>2019</b> , 96, 751-760	2.1	14
52	Optical treatment of amblyopia: a systematic review and meta-analysis. <i>Australasian journal of optometry, The</i> , <b>2018</b> , 101, 431-442	2.7	13
51	Steady viewing dissipates global structure. <i>Perception</i> , <b>2004</b> , 33, 121-5	1.2	12
50	Glass-pattern detection is tuned for stereo-depth. <i>Vision Research</i> , <b>2005</b> , 45, 2461-9	2.1	10
49	Physiologic statokinetic dissociation is eliminated by equating static and kinetic perimetry testing procedures. <i>Journal of Vision</i> , <b>2016</b> , 16, 5	0.4	10
48	A Method Using Goldmann Stimulus Sizes I to V-Measured Sensitivities to Predict Lead Time Gained to Visual Field Defect Detection in Early Glaucoma. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 17	3.3	10
47	Visualizing the Consistency of Clinical Characteristics that Distinguish Healthy Persons, Glaucoma Suspect Patients, and Manifest Glaucoma Patients. <i>Ophthalmology Glaucoma</i> , <b>2020</b> , 3, 274-287	2.2	9
46	The color "fruit": object memories defined by color. <i>PLoS ONE</i> , <b>2013</b> , 8, e64960	3.7	9

45	Vection depends on perceived surface properties. <i>Attention, Perception, and Psychophysics</i> , <b>2016</b> , 78, 1163-73	2	8
44	Exposure to organic solvents used in dry cleaning reduces low and high level visual function. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121422	3.7	8
43	Application of Pattern Recognition Analysis to Optimize Hemifield Asymmetry Patterns for Early Detection of Glaucoma. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 3	3.3	8
42	How Many Subjects are Needed for a Visual Field Normative Database? A Comparison of Ground Truth and Bootstrapped Statistics. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 1	3.3	8
41	Contrast sensitivity isocontours of the central visual field. <i>Scientific Reports</i> , <b>2019</b> , 9, 11603	4.9	7
40	The role of motion streaks in the perception of the kinetic Zollner illusion. <i>Journal of Vision</i> , <b>2012</b> , 12, 19	0.4	7
39	Modelling the effect of commercially available blue-blocking lenses on visual and non-visual functions. <i>Australasian journal of optometry, The</i> , <b>2020</b> , 103, 339-346	2.7	7
38	Optimising the Structure-Function Relationship at the Locus of Deficit in Retinal Disease. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 306	5.1	6
37	The perception of three-dimensional cast-shadow structure is dependent on visual awareness. <i>Journal of Vision</i> , <b>2014</b> , 14, 25	0.4	6
36	The role of shape-from-shading information in the perception of local and global form in Glass patterns. <i>Journal of Vision</i> , <b>2011</b> , 11,	0.4	6
35	Global speed averaging is tuned for binocular disparity. <i>Vision Research</i> , <b>2006</b> , 46, 407-16	2.1	6
34	The Influence of Cast Shadows on the Detection of Three-Dimensional Curved Contour Structure. <i>Perception</i> , <b>2016</b> , 45, 425-42	1.2	6
33	The influence of spatial orientation on the perceived path of visual saltatory motion. <i>Journal of Vision</i> , <b>2011</b> , 11,	0.4	5
32	Apparent position in depth of stationary moving three-dimensional objects. <i>Vision Research</i> , <b>2007</b> , 47, 8-15	2.1	5
31	Music sight-reading expertise, visually disrupted score and eye movements. <i>Journal of Eye Movement Research</i> , <b>2016</b> , 9,	1.7	5
30	Differences in Static and Kinetic Perimetry Results are Eliminated in Retinal Disease when Psychophysical Procedures are Equated. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 22	3.3	5
29	Populations Norms for "SLURP"-An iPad App for Quantification of Visuomotor Coordination Testing. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 711	5.1	4
28	Apparent motion distorts the shape of a stimulus briefly presented along the motion path. <i>Journal of Vision</i> , <b>2010</b> , 10, 15	0.4	4

27	Object speed derived from the integration of motion in the image plane and motion-in-depth signaled by stereomotion and looming. <i>Vision Research</i> , <b>2010</b> , 50, 904-13	2.1	4
26	Interaction between complex motion patterns in the perception of shape. <i>Vision Research</i> , <b>2008</b> , 48, 167-78	2.1	4
25	Distortion in perceived image size accompanies flash lag in depth. <i>Journal of Vision</i> , <b>2008</b> , 8, 20.1-10	0.4	4
24	Neutralizing Peripheral Refraction Eliminates Refractive Scotomata in Tilted Disc Syndrome. <i>Optometry and Vision Science</i> , <b>2018</b> , 95, 959-970	2.1	4
23	Clinical Evaluations of Macular Structure-Function Concordance With and Without Drasdo Displacement.. <i>Translational Vision Science and Technology</i> , <b>2022</b> , 11, 18	3.3	4
22	Using the kinetic Zollner illusion to quantify the interaction between form and motion information in depth. <i>Vision Research</i> , <b>2013</b> , 83, 48-55	2.1	3
21	Detecting the structural form of cast shadows patterns. <i>Journal of Vision</i> , <b>2012</b> , 12,	0.4	3
20	The effect of motion adaptation on the position of elements in the visual saltation illusion. <i>Journal of Vision</i> , <b>2010</b> , 10, 19	0.4	3
19	Context and crowding in perceptual learning on a peripheral contrast discrimination task: context-specificity in contrast learning. <i>PLoS ONE</i> , <b>2013</b> , 8, e63278	3.7	3
18	Prediction of Retinal Ganglion Cell Counts Considering Various Displacement Methods From OCT-Derived Ganglion Cell-Inner Plexiform Layer Thickness.. <i>Translational Vision Science and Technology</i> , <b>2022</b> , 11, 13	3.3	3
17	The influence of shape-from-shading information on the perception of global motion. <i>Vision Research</i> , <b>2012</b> , 55, 1-10	2.1	2
16	Visual processing abilities associated with piano music sight-reading expertise. <i>Psychology of Music</i> , <b>2021</b> , 49, 1006-1016	1.2	2
15	Background motion and the perception of shape defined by illusory contours. <i>Journal of Vision</i> , <b>2009</b> , 9, 5.1-11	0.4	1
14	The Effect of Blue-blocking Lenses on Photostress Recovery Times. <i>Optometry and Vision Science</i> , <b>2020</b> , 97, 995-1004	2.1	1
13	Validation of a novel functional test for assessing metamorphopsia using epiretinal membranes as a model. <i>Scientific Reports</i> , <b>2020</b> , 10, 14938	4.9	1
12	Modelling the effect of light through commercially available blue-blocking lenses on the human circadian system. <i>Australasian journal of optometry, The</i> , <b>2021</b> , 1-6	2.7	1
11	The perception of three-dimensional contours and the effect of luminance polarity and color change on their detection. <i>Journal of Vision</i> , <b>2016</b> , 16, 31	0.4	1
10	Effect of blue-blocking lenses on colour contrast sensitivity. <i>Australasian journal of optometry, The</i> , <b>2021</b> , 104, 207-214	2.7	1

9	The effect of blue light filtering lenses on speed perception. <i>Scientific Reports</i> , <b>2021</b> , 11, 17583	4.9	1
8	Visuospatial Attention Allocation as an Indicator of Cognitive Deficit in Traumatic Brain Injury: A Systematic Review and Meta-Analysis. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 675376	3.3	0
7	The Effect of Local Orientation Change on the Detection of Contours Defined by Constant Curvature: Psychophysics and Image Statistics. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 2069	3.4	
6	Unconscious local motion alters global image speed. <i>PLoS ONE</i> , <b>2014</b> , 9, e112804	3.7	
5	The effect of optical blur on central and peripheral word visual acuity. <i>Optometry and Vision Science</i> , <b>2013</b> , 90, 1443-9	2.1	
4	Efecto de la neurotoxicidad en la funci3n visual de trabajadores de lavado en seco. <i>Ciencia Y Tecnolog3a Para La Salud Visual Y Ocular</i> , <b>2012</b> , 10, 13	0.1	
3	Changes in aniseikonia of an axial anisometrope at various stages of orthokeratology lens wear. <i>Contact Lens and Anterior Eye</i> , <b>2020</b> , 43, 60-64	4.1	
2	Ocular surface and tear film changes in workers exposed to organic solvents used in the dry-cleaning industry. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226042	3.7	
1	Evaluating the extent of change in near point of convergence in traumatic brain injury: a systematic review and meta-analysis.. <i>Brain Injury</i> , <b>2022</b> , 1-15	2.1	