

# Sylvia C Pont

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7101875/publications.pdf>

Version: 2024-02-01

88  
papers

1,456  
citations

304368

22  
h-index

395343

33  
g-index

91  
all docs

91  
docs citations

91  
times ranked

560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavorium: An Exploration of Flavobacteria's Living Aesthetics for Living Color Interfaces. , 2022, , .		15
2	A juicy orange makes for a tastier juice: The neglected role of visual material perception in packaging design. Food Quality and Preference, 2021, 88, 104086.	2.3	11
3	Soft like velvet and shiny like satin: Perceptual material signatures of fabrics depicted in 17 <sup>th</sup> century paintings. Journal of Vision, 2021, 21, 10.	0.1	4
4	LIVING LIGHT INTERFACES – AN EXPLORATION OF BIOLUMINESCENCE AESTHETICS. , 2021, , .		19
5	5.3: Quantifying Natural Light for Lighting and Display Design. Digest of Technical Papers SID International Symposium, 2021, 52, 99-103.	0.1	4
6	Painterly depiction of material properties. Journal of Vision, 2020, 20, 7.	0.1	15
7	Effects of light map orientation and shape on the visual perception of canonical materials. Journal of Vision, 2020, 20, 13.	0.1	7
8	Material Properties and Image Cues for Convincing Grapes: The Know-How of the 17th-Century Pictorial Recipe by Willem Beurs. Art and Perception, 2020, 8, 337-362.	0.6	12
9	If painters give you lemons, squeeze the knowledge out of them. A study on the visual perception of the translucent and juicy appearance of citrus fruits in paintings. Journal of Vision, 2020, 20, 12.	0.1	8
10	A systematic approach to testing and predicting light-material interactions. Journal of Vision, 2019, 19, 11.	0.1	19
11	Light: Toward a Transdisciplinary Science of Appearance and Atmosphere. Annual Review of Vision Science, 2019, 5, 503-527.	2.3	11
12	Light Shapes. ACM Transactions on Applied Perception, 2019, 16, 1-17.	1.2	5
13	Understanding gloss perception through the lens of art: Combining perception, image analysis, and painting recipes of 17th century painted grapes. Journal of Vision, 2019, 19, 7.	0.1	27
14	4.2.1: Lighting effects, light distribution matters. Digest of Technical Papers SID International Symposium, 2019, 50, 956-958.	0.1	0
15	Bulging out of the picture - or not? Oblique viewing effects on the convex-concave ambiguity.. Journal of Vision, 2019, 19, 199.	0.1	0
16	Material property space analysis for depicted materials. Journal of Vision, 2019, 19, 251a.	0.1	0
17	The creation of SenseLab: a laboratory for testing and experiencing single and combinations of indoor environmental conditions. Intelligent Buildings International, 2018, 10, 5-18.	1.3	36
18	Contextual effects in human gloss perception. IS&T International Symposium on Electronic Imaging, 2018, 30, 1-7.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Asymmetric perceptual confounds between canonical lightings and materials. <i>Journal of Vision</i> , 2018, 18, 11.	0.1	6
20	Visual Light Zones. <i>I-Perception</i> , 2018, 9, 204166951878138.	0.8	6
21	Lighting Perceptual Intelligence. <i>IS&amp;T International Symposium on Electronic Imaging</i> , 2018, 30, 1-11.	0.3	3
22	Estimating the Illumination Direction From Three-Dimensional Texture of Brownian Surfaces. <i>I-Perception</i> , 2017, 8, 204166951770194.	0.8	2
23	Colored backgrounds affect the attractiveness of fresh produce, but not its perceived color. <i>Food Quality and Preference</i> , 2017, 56, 173-180.	2.3	32
24	Separate and Simultaneous Adjustment of Light Qualities in a Real Scene. <i>I-Perception</i> , 2017, 8, 204166951668608.	0.8	8
25	Human interpretation of light diffuseness. , 2017, , .		1
26	Perception of object illumination depends on highlights and shadows, not shading. <i>Journal of Vision</i> , 2017, 17, 2.	0.1	9
27	Contextual effects on real bicolored glossy surfaces. <i>Journal of Vision</i> , 2017, 17, 17.	0.1	4
28	The interplay between material qualities and lighting. <i>Journal of Vision</i> , 2017, 17, 228.	0.1	4
29	The optics, perception and design of light diffuseness in real scenes. <i>Journal of Vision</i> , 2017, 17, 131.	0.1	0
30	Highlight shapes and perception of gloss for real and photographed objects. <i>Journal of Vision</i> , 2016, 16, 6.	0.1	24
31	Effects of scene content and layout on the perceived light direction in 3D spaces. <i>Journal of Vision</i> , 2016, 16, 14.	0.1	16
32	The global structure of the visual light field and its relation to the physical light field. <i>Journal of Vision</i> , 2016, 16, 9.	0.1	30
33	MatMix 1.0: Using optical mixing to probe visual material perception. <i>Journal of Vision</i> , 2016, 16, 11.	0.1	10
34	Visualizations of perceptually relevant light parameters. , 2016, , .		0
35	The Synoptic Art Experience. <i>Art and Perception</i> , 2016, 4, 73-105.	0.6	7
36	The visual light field in paintings of Museum Prinsenhof: comparing settings in empty space and on objects. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
37	The influence of lighting on visual perception of material qualities. , 2015, , .		7
38	Texture, illumination, and material perception. , 2015, , .		2
39	Human Participants in Engineering Research: Notes from a Fledgling Ethics Committee. Science and Engineering Ethics, 2015, 21, 1033-1048.	1.7	6
40	A comparison of physical and visual light fields structures. Journal of Vision, 2015, 15, 634.	0.1	0
41	The Visual Light Field in Real Scenes. I-Perception, 2014, 5, 613-629.	0.8	27
42	Human Research Ethics Committees in Technical Universities. Journal of Empirical Research on Human Research Ethics, 2014, 9, 67-73.	0.6	9
43	Probing light in real scenes using optical mixtures. , 2013, , .		4
44	Perception of Length to Width Relations of City Squares. I-Perception, 2013, 4, 111-121.	0.8	1
45	Depth in Box Spaces. Seeing and Perceiving, 2012, 25, 339-349.	0.4	13
46	Shading, a View from the Inside. Seeing and Perceiving, 2012, 25, 303-338.	0.4	13
47	Relative flattening between velvet and matte 3D shapes: Evidence for similar shape-from-shading computations. Journal of Vision, 2012, 12, 2-2.	0.1	22
48	Box spaces in pictorial space: linear perspective versus templates. Proceedings of SPIE, 2012, , .	0.8	0
49	Cast Shadows in Wide Perspective. Perception, 2011, 40, 938-948.	0.5	4
50	Phenomenal Transparency at X-Junctions. Perception, 2010, 39, 872-883.	0.5	8
51	Does monocular visual space contain planes?. Acta Psychologica, 2010, 134, 40-47.	0.7	19
52	Illuminance Flow Estimation by Regression. International Journal of Computer Vision, 2010, 90, 304-312.	10.9	0
53	Illusory gloss on Lambertian surfaces. Journal of Vision, 2010, 10, 13-13.	0.1	60
54	Pointing in pictorial space. ACM Transactions on Applied Perception, 2010, 7, 1-8.	1.2	2

#	ARTICLE	IF	CITATIONS
55	Ecological optics of natural materials and light fields. Proceedings of SPIE, 2009, , .	0.8	6
56	Haptic perception disambiguates visual perception of 3D shape. Experimental Brain Research, 2009, 193, 639-644.	0.7	24
57	Illuminance flow over anisotropic surfaces with arbitrary viewpoint. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1250.	0.8	4
58	Representing the light field in finite three-dimensional spaces from sparse discrete samples. Applied Optics, 2009, 48, 450.	2.1	31
59	Structure of light fields in natural scenes. Applied Optics, 2009, 48, 5386.	2.1	36
60	Gestalt and phenomenal transparency. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 190.	0.8	18
61	Illuminance flow over anisotropic surfaces. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 282.	0.8	8
62	Shape, Surface Roughness and Human Perception. , 2008, , 197-222.		9
63	Analysis of second order light fields in closed 3D spaces. , 2008, , .		1
64	Estimation of Illuminance Flow over Anisotropic Surfaces for Arbitrary Viewpoints. , 2008, , .		0
65	2-1/2D texture mapping. , 2007, , .		2
66	Spatial properties of light fields in natural scenes. , 2007, , .		5
67	The Visual Light Field. Perception, 2007, 36, 1595-1610.	0.5	74
68	Light field constancy within natural scenes. Applied Optics, 2007, 46, 7308.	2.1	37
69	Matching illumination of solid objects. Perception & Psychophysics, 2007, 69, 459-468.	2.3	35
70	Perception of illuminance flow in the case of anisotropic rough surfaces. Perception & Psychophysics, 2007, 69, 895-903.	2.3	12
71	Material " Illumination Ambiguities and the Perception of Solid Objects. Perception, 2006, 35, 1331-1350.	0.5	75
72	Reflectance from locally glossy thoroughly pitted surfaces. Computer Vision and Image Understanding, 2005, 98, 211-222.	3.0	16

#	ARTICLE	IF	CITATIONS
73	Bidirectional Texture Contrast Function. International Journal of Computer Vision, 2005, 62, 17-34.	10.9	9
74	Bidirectional Texture Contrast Function. International Journal of Computer Vision, 2005, 62, 17-34.	10.9	36
75	Voluntarily controlled stable slant perception of real and photographed surfaces. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 141-148.	1.2	5
76	A comparison of material and illumination discrimination performance for real rough, real smooth and computer generated smooth spheres. , 2005, , .		41
77	Light Direction from Shad(ow)ed Random Gaussian Surfaces. Perception, 2004, 33, 1405-1420.	0.5	36
78	The secret of velvety skin. Machine Vision and Applications, 2003, 14, 260-268.	1.7	58
79	Split off-specular reflection and surface scattering from woven materials. Applied Optics, 2003, 42, 1526.	2.1	13
80	Illumination direction from texture shading. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 987.	0.8	42
81	Irradiation direction from texture. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1875.	0.8	39
82	Illuminance Flow. Lecture Notes in Computer Science, 2003, , 90-97.	1.0	6
83	Bidirectional reflectance distribution function of specular surfaces with hemispherical pits. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 2456.	0.8	25
84	Bidirectional Texture Contrast Function. Lecture Notes in Computer Science, 2002, , 808-822.	1.0	9
85	Similar mechanisms underlie curvature comparison by static and dynamic touch. Perception & Psychophysics, 1999, 61, 874-894.	2.3	90
86	Anisotropy in Haptic Curvature and Shape Perception. Perception, 1998, 27, 573-589.	0.5	14
87	The Influence of Stimulus Tilt on Haptic Curvature Matching and Discrimination by Dynamic Touch. Perception, 1998, 27, 869-880.	0.5	11
88	Haptic curvature discrimination at several regions of the hand. Perception & Psychophysics, 1997, 59, 1225-1240.	2.3	56