Heiko Hecht

List of Publications by Year in descending order

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		136950	149698
161	4,047	32	56
papers	citations	h-index	g-index
163	163	163	2467
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Validating an Efficient Method to Quantify Motion Sickness. Human Factors, 2011, 53, 415-426.	3.5	344
2	Understanding projectile acceleration Journal of Experimental Psychology: Human Perception and Performance, 2000, 26, 730-746.	0.9	185
3	Influence of animation on dynamical judgments Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 669-689.	0.9	180
4	Motor learning enhances perceptual judgment: a case for action-perception transfer. Psychological Research, 2001, 65, 3-14.	1.7	170
5	Gravitational acceleration as a cue for absolute size and distance? Perception & Psychophysics, 1996, 58, 1066-1075.	2.3	132
6	Are you looking at me? Measuring the cone of gaze Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 705-715.	0.9	123
7	AMBIENT LIGHTING MODIFIES THE FLAVOR OF WINE. Journal of Sensory Studies, 2009, 24, 797-832.	1.6	108
8	The Price of Expertise: Effects of Experience on the Water-Level Task. Psychological Science, 1995, 6, 90-95.	3.3	103
9	User acceptance of automated public transport. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 70, 109-123.	3.7	82
10	Pleasant music as a countermeasure against visually induced motion sickness. Applied Ergonomics, 2014, 45, 521-527.	3.1	78
11	The shape of personal space. Acta Psychologica, 2019, 193, 113-122.	1.5	72
12	Vection is the main contributor to motion sickness induced by visual yaw rotation: Implications for conflict and eye movement theories. PLoS ONE, 2017, 12, e0175305.	2.5	71
13	Naive optics: Understanding the geometry of mirror reflections Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 546-562.	0.9	69
14	Stereokinetic effect and its relation to the kinetic depth effect Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 3-21.	0.9	68
15	Artificial gravity: head movements during short-radius centrifugation. Acta Astronautica, 2001, 49, 215-226.	3.2	66
16	Eye movements influence estimation of time-to-contact in prediction motion. Experimental Brain Research, 2010, 206, 399-407.	1.5	66
17	Apparent extended body motions in depth Journal of Experimental Psychology: Human Perception and Performance, 1991, 17, 1090-1103.	0.9	63
18	The behavioral validity of dual-task driving performance in fixed and moving base driving simulators. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 37, 78-96.	3.7	60

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19	Visually induced motion sickness can be alleviated by pleasant odors. Experimental Brain Research, 2015, 233, 1353-1364.	1.5	57
20	Who is looking at me? The cone of gaze widens in social phobia. Cognition and Emotion, 2011, 25, 756-764.	2.0	54
21	Time-to-passage judgments in nonconstant optical flow fields. Perception & Psychophysics, 1995, 57, 817-825.	2.3	50
22	Intra-visual conflict in visually induced motion sickness. Displays, 2011, 32, 181-188.	3.7	49
23	Stereoscopic Viewing Enhances Visually Induced Motion Sickness but Sound Does Not. Presence: Teleoperators and Virtual Environments, 2012, 21, 213-228.	0.6	48
24	Naive optics: Predicting and perceiving reflections in mirrors Journal of Experimental Psychology: Human Perception and Performance, 2003, 29, 982-1002.	0.9	45
25	Adaptation of the vestibulo-ocular reflex, subjective tilt, and motion sickness to head movements during short-radius centrifugation. Journal of Vestibular Research: Equilibrium and Orientation, 2003, 13, 65-77.	2.0	44
26	Compression of visual space in natural scenes and in their photographic counterparts. Perception & Psychophysics, 1999, 61, 1269-1286.	2.3	42
27	Axis Rotation and Visually Induced Motion Sickness: The Role of Combined Roll, Pitch, and Yaw Motion. Aviation, Space, and Environmental Medicine, 2011, 82, 1023-1029.	0.5	40
28	Surface Lightness Influences Perceived Room Height. Quarterly Journal of Experimental Psychology, 2010, 63, 1999-2011.	1.1	37
29	Threatening pictures induce shortened time-to-contact estimates. Attention, Perception, and Psychophysics, 2012, 74, 979-987.	1.3	36
30	Effects of a moving distractor object on time-to-contact judgments Journal of Experimental Psychology: Human Perception and Performance, 2008, 34, 605-623.	0.9	35
31	The representational dynamics of remembered projectile locations Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 1690-1699.	0.9	35
32	Can We Study Autonomous Driving Comfort in Moving-Base Driving Simulators? A Validation Study. Human Factors, 2017, 59, 442-456.	3.5	35
33	Distance estimation in vista space. Attention, Perception, and Psychophysics, 2009, 71, 1127-1137.	1.3	33
34	Impact of Perceptual Ability and Mental Imagery Training on Simulated Laparoscopic Knot-Tying in Surgical Novices Using a Nissen Fundoplication Model. Scandinavian Journal of Surgery, 2011, 100, 78-85.	2.6	33
35	Heuristics and invariants in dynamic event perception: Immunized concepts or nonstatements?. Psychonomic Bulletin and Review, 1996, 3, 61-70.	2.8	32
36	The anisotropy of personal space. PLoS ONE, 2019, 14, e0217587.	2.5	32

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37	Boundary Extension: The Role of Magnification, Object Size, Context, and Binocular Information Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 1288-1307.	0.9	31
38	Judging Body Weight from Faces: The Heightâ€"Weight Illusion. Perception, 2012, 41, 121-124.	1.2	31
39	Image velocity, not tau, explains arrival-time judgments from global optical flow Journal of Experimental Psychology: Human Perception and Performance, 1999, 25, 1540-1555.	0.9	30
40	The widening of the gaze cone in patients with social anxiety disorder and its normalization after CBT. Behaviour Research and Therapy, 2013, 51, 359-367.	3.1	30
41	Judging the contact-times of multiple objects: Evidence for asymmetric interference. Acta Psychologica, 2010, 134, 363-371.	1.5	27
42	Depression does not affect time perception and time-to-contact estimation. Frontiers in Psychology, 2014, 5, 810.	2.1	26
43	The best way to assess visually induced motion sickness in a fixed-base driving simulator. Transportation Research Part F: Traffic Psychology and Behaviour, 2017, 48, 74-88.	3.7	26
44	Naive optics: Understanding the geometry of mirror reflections Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 546-562.	0.9	26
45	Temporal-range estimation of multiple objects: Evidence for an early bottleneck. Acta Psychologica, 2011, 137, 76-82.	1.5	25
46	Adaptation of the vestibulo-ocular reflex, subjective tilt, and motion sickness to head movements during short-radius centrifugation. Journal of Vestibular Research: Equilibrium and Orientation, 2003, 13, 65-77.	2.0	25
47	Visually induced motion sickness and presence in videogames: The role of sound. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1763-1767.	0.3	24
48	Cognitive performance and emotion are indifferent to ambient color. Color Research and Application, 2018, 43, 65-74.	1.6	24
49	The Effect of Furnishing on Perceived Spatial Dimensions and Spaciousness of Interior Space. PLoS ONE, 2014, 9, e113267.	2.5	23
50	Regularities of the physical world and the absence of their internalization. Behavioral and Brain Sciences, 2001, 24, 608-617.	0.7	22
51	Fashion Versus Perception: The Impact of Surface Lightness on the Perceived Dimensions of Interior Space. Human Factors, 2011, 53, 284-298.	3.5	22
52	The Effect of Body Posture on Long-Range Time-to-Contact Estimation. Perception, 2011, 40, 674-681.	1.2	22
53	Chapter 1 Theories of time-to-contact judgment. Advances in Psychology, 2004, 135, 1-11.	0.1	21
54	Interpersonal Distance in the SARS-CoV-2 Crisis. Human Factors, 2020, 62, 1095-1101.	3.5	21

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55	Gender Differences and Similarities in Receptivity to Sexual Invitations: Effects of Location and Risk Perception. Archives of Sexual Behavior, 2015, 44, 2257-2265.	1.9	20
56	Sexual attraction modulates interpersonal distance and approach-avoidance movements towards virtual agents in males. PLoS ONE, 2020, 15, e0231539.	2.5	20
57	Naive Optics: Acting on Mirror Reflections Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 1023-1038.	0.9	19
58	Having a Drink with Tchaikovsky: The Crossmodal Influence of Background Music on the Taste of Beverages. Multisensory Research, 2019, 32, 1-24.	1.1	19
59	Public acceptance of semi-automated truck platoon driving. A comparison between Germany and California. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 74, 361-374.	3.7	19
60	A perception experiment with time-critical graphics animation on the World-Wide Web. Behavior Research Methods, 1999, 31, 439-445.	1.3	18
61	Psychological Evidence for Unconscious Processing of Detail in Real-time Animation of Multiple Characters. Computer Animation and Virtual Worlds, 2000, 11, 105-112.	0.9	18
62	Emotional effects on time-to-contact judgments: arousal, threat, and fear of spiders modulate the effect of pictorial content. Experimental Brain Research, 2014, 232, 2337-2347.	1.5	18
63	Acceptance of truck platooning by professional drivers on German highways. A mixed methods approach. Applied Ergonomics, 2020, 85, 103042.	3.1	18
64	Visually Induced Motion Sickness on the Horizon. Frontiers in Virtual Reality, 2020, 1, .	3.7	17
65	Integration of local features as a function of global goodness and spacing. Perception & Psychophysics, 1991, 49, 201-211.	2.3	16
66	Cross-ethnic assessment of body weight and height on the basis of faces. Personality and Individual Differences, 2013, 55, 356-360.	2.9	16
67	The Mona Lisa effect: Neural correlates of centered and offâ€centered gaze. Human Brain Mapping, 2015, 36, 619-632.	3.6	16
68	Locomotor and verbal distance judgments in action and vista space. Experimental Brain Research, 2011, 210, 13-23.	1.5	15
69	Effects of task-irrelevant texture motion on time-to-contact judgments. Attention, Perception, and Psychophysics, 2011, 73, 581-596.	1.3	14
70	The impact of rear-view mirror distance and curvature on judgements relevant to road safety. Ergonomics, 2012, 55, 23-36.	2.1	14
71	Arrival-time judgments on multiple-lane streets: The failure to ignore irrelevant traffic. Accident Analysis and Prevention, 2014, 65, 72-84.	5.7	14
72	Effect of Camera Angle on Perception of Trust and Attractiveness. Empirical Studies of the Arts, 2018, 36, 90-100.	1.7	14

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73	Psychopathy and the Regulation of Interpersonal Distance. Clinical Psychological Science, 2018, 6, 835-847.	4.0	14
74	Effect of Gaze on Personal Space: A Japanese–German Cross-Cultural Study. Journal of Cross-Cultural Psychology, 2019, 50, 8-21.	1.6	14
75	Judging Rolling Wheels: Dynamic and Kinematic Aspects of Rotation – Translation Coupling. Perception, 1993, 22, 917-928.	1.2	13
76	Convex rear view mirrors compromise distance and time-to-contact judgements. Ergonomics, 2007, 50, 601-614.	2.1	13
77	Measuring Perceived Ceiling Height in a Visual Comparison Task. Quarterly Journal of Experimental Psychology, 2017, 70, 516-532.	1.1	13
78	Luminance and contrast in visual perception of time to collision. Vision Research, 2013, 89, 18-23.	1.4	12
79	The Auditory Kuleshov Effect: Multisensory Integration in Movie Editing. Perception, 2017, 46, 624-631.	1.2	12
80	Vestibular Stimulation Interferes with the Dynamics of An Internal Representation of Gravity. Quarterly Journal of Experimental Psychology, 2017, 70, 2290-2305.	1.1	12
81	Artificial gravity—head movements during short-radius centrifugation: Influence of cognitive effects. Acta Astronautica, 2005, 56, 859-866.	3.2	11
82	The limits of visual mass perception. Quarterly Journal of Experimental Psychology, 2009, 62, 2210-2221.	1.1	11
83	The Big Picture: Effects of Surround on Immersion and Size Perception. Perception, 2014, 43, 1061-1070.	1.2	11
84	The effects of simulated vision impairments on the cone of gaze. Attention, Perception, and Psychophysics, 2015, 77, 2399-2408.	1.3	11
85	Brightness and contrast do not affect visually induced motion sickness in a passively-flown fixed-base flight simulator. Displays, 2016, 44, 5-14.	3.7	11
86	Vestibular adaptation to centrifugation does not transfer across planes of head rotation. Journal of Vestibular Research: Equilibrium and Orientation, 2008, 18, 25-37.	2.0	11
87	The impact of spatiotemporal sampling on time-to-contact judgments. Perception & Psychophysics, 2002, 64, 650-666.	2.3	10
88	The dynamic representation of gravity is suspended when the idiotropic vector is misaligned with gravity. Journal of Vestibular Research: Equilibrium and Orientation, 2014, 24, 267-279.	2.0	10
89	Can representational trajectory reveal the nature of an internal model of gravity?. Attention, Perception, and Psychophysics, 2014, 76, 1106-1120.	1.3	10
90	Internal consistency predicts attractiveness in biological motion walkers. Evolution and Human Behavior, 2016, 37, 40-46.	2.2	10

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91	Predictors of visually induced motion sickness in women. Displays, 2019, 58, 27-32.	3.7	10
92	Perceiving topological structure of 2-D patterns. Acta Psychologica, 1998, 99, 255-292.	1.5	9
93	Time-to-passage judgments on circular trajectories are based on relative optical acceleration. Perception & Psychophysics, 2001, 63, 1153-1170.	2.3	9
94	Genre-dependent effects of 3D film on presence, motion sickness, and protagonist perception. Displays, 2016, 44, 53-59.	3.7	9
95	Bright paint makes interior-space surfaces appear farther away. PLoS ONE, 2018, 13, e0201976.	2.5	9
96	Body image avoidance affects interpersonal distance perception: A virtual environment experiment. European Eating Disorders Review, 2020, 28, 282-295.	4.1	9
97	The Mona Lisa effect: Testing the limits of perceptual robustness vis-Ã-vis slanted images. Psihologija, 2014, 47, 287-301.	0.6	9
98	Chewing gum reduces visually induced motion sickness. Experimental Brain Research, 2022, 240, 651-663.	1.5	9
99	Age-Correlated Incremental Consideration of Velocity Information in Relative Time-to-Arrival Judgments. Ecological Psychology, 2010, 22, 212-221.	1.1	8
100	Visual discrimination thresholds for time to arrival. Attention, Perception, and Psychophysics, 2013, 75, 1465-1472.	1.3	8
101	Slope estimation and viewing distance of the observer. Attention, Perception, and Psychophysics, 2014, 76, 1729-1738.	1.3	8
102	Allocentric time-to-contact and the devastating effect of perspective. Vision Research, 2014, 105, 53-60.	1.4	8
103	The effects of social pressure and emotional expression on the cone of gaze in patients with social anxiety disorder. Journal of Behavior Therapy and Experimental Psychiatry, 2017, 55, 16-24.	1.2	8
104	The Sense of Being Watched Is Modulated by Arousal and Duration of the Perceptual Episode. I-Perception, 2017, 8, 204166951774217.	1.4	8
105	Interpersonal Distance Regulation and Approach-Avoidance Reactions Are Altered in Psychopathy. Clinical Psychological Science, 2020, 8, 211-225.	4.0	8
106	The Failings of Three Event Perception Theories. Journal for the Theory of Social Behaviour, 2000, 30, 1-25.	1.2	7
107	Intercepting real and simulated falling objects: What is the difference?. Journal of Neuroscience Methods, 2009, 184, 48-53.	2.5	7
108	Threatening scenes but not threatening faces shorten time-to-contact estimates. Attention, Perception, and Psychophysics, 2014, 76, 1698-1708.	1.3	7

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109	Counting does not improve the accuracy of long time productions. Attention, Perception, and Psychophysics, 2017, 79, 2576-2589.	1.3	7
110	Are Events and Affordances Commensurate Terms?. Ecological Psychology, 2000, 12, 57-63.	1.1	6
111	How Long Did You Look At Me? The Influence of Gaze Direction on Perceived Duration and Temporal Sensitivity. Perception, 2016, 45, 612-630.	1.2	6
112	Social Factors in Aesthetics: Social Conformity Pressure and a Sense of Being Watched Affect Aesthetic Judgments. I-Perception, 2017, 8, 204166951773632.	1.4	6
113	Effectiveness and user acceptance of infotainment-lockouts: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 60, 643-656.	3.7	6
114	The Ups and Downs of Camera-Monitor Systems: The Effect of Camera Position on Rearward Distance Perception. Human Factors, 2021, 63, 415-432.	3.5	6
115	Estimating time-to-contact when vision is impaired. Scientific Reports, 2021, 11, 21213.	3.3	6
116	Retinal, attentional, and causal aspects of illusory-motion directionality. Psychological Research, 1995, 57, 70-79.	1.7	6
117	Differentiating the differential rotation effect. Acta Psychologica, 2012, 140, 252-265.	1.5	5
118	The Effect of Central Vision Loss on Perception of Mutual Gaze. Optometry and Vision Science, 2014, 91, 1000-1011.	1.2	5
119	The CSI-education effect: Do potential criminals benefit from forensic TV series?. International Journal of Law, Crime and Justice, 2018, 52, 86-97.	0.8	5
120	Which Attribute of Ceiling Color Influences Perceived Room Height?. Human Factors, 2018, 60, 1228-1240.	3.5	5
121	A Case for Raising the Camera: A Driving Simulator Test of Camera-Monitor Systems. Human Factors, 2021,,001872082110109.	3.5	5
122	Crossmodal Correspondence between Music and Ambient Color Is Mediated by Emotion. Multisensory Research, 2022, 35, 407-446.	1.1	5
123	Heading backward: Perceived direction of movement in contracting and expanding optical flow fields. Psychonomic Bulletin and Review, 1997, 4, 516-523.	2.8	4
124	Testing the Egocentric Mirror-Rotation Hypothesis. Seeing and Perceiving, 2010, 23, 373-383.	0.3	4
125	Is mental time embodied interpersonally?. Cognitive Processing, 2018, 19, 419-427.	1.4	4
126	The Louder, the Longer: Object Length Perception Is Influenced by Loudness, but Not by Pitch. Vision (Switzerland), 2019, 3, 57.	1.2	4

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127	Visual and postural eye-height information is flexibly coupled in the perception of virtual environments Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 1132-1148.	0.9	4
128	A novel dissociation between representational momentum and representational gravity through response modality. Psychological Research, 2019, 83, 1223-1236.	1.7	4
129	The cone of gaze., 2011,,.		3
130	Global flow impacts time-to-passage judgments based on local motion cues. Vision Research, 2011, 51, 1880-1887.	1.4	3
131	The vista paradox: Framing or contrast?. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1734-1747.	0.9	3
132	Underestimation of large distances in active and passive locomotion. Experimental Brain Research, 2018, 236, 1603-1609.	1.5	3
133	Effects of Visually Induced Motion Sickness on Emergency Braking Reaction Times in a Driving Simulator. Human Factors, 2019, 61, 1004-1018.	3.5	3
134	Quantifying the Wollaston Illusion. Perception, 2020, 49, 588-599.	1.2	3
135	Driver Situation Awareness and Perceived Sleepiness during Truck Platoon Driving – Insights from Eye-tracking Data. International Journal of Human-Computer Interaction, 2021, 37, 1467-1477.	4.8	3
136	Virtual RoboCup: Real-Time 3D Visualization of 2D Soccer Games. Lecture Notes in Computer Science, 2000, , 331-344.	1.3	3
137	Wider is better but sharper is not: optimizing the image of camera-monitor systems. Ergonomics, 2022, 65, 899-914.	2.1	3
138	Adapting to artificial gravity (AG) at high rotational speeds. Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology, 2002, 9, P1-5.	0.0	3
139	For the mind's eye the world is two-dimensional. Psychonomic Bulletin and Review, 2010, 17, 36-40.	2.8	2
140	One Hundred Years of Photoplay: Hugo MÃ $\frac{1}{4}$ nsterberg's Lasting Contribution to Cognitive Movie Psychology. Projections (New York), 2017, 11, 1-21.	0.4	2
141	Effects of symmetry, texture, and monocular viewing on geographical slant estimation. Consciousness and Cognition, 2018, 64, 183-195.	1.5	2
142	Wall patterns influence the perception of interior space. Quarterly Journal of Experimental Psychology, 2020, 73, 29-54.	1.1	2
143	Inverting the Wollaston Illusion: Gaze Direction Attracts Perceived Head Orientation. I-Perception, 2021, 12, 204166952110469.	1.4	2
144	The limits of an occasionalist Gibsonian theory of perceptual space. Advances in Psychology, 1999, 129, 65-68.	0.1	1

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145	Universal internalization or pluralistic micro-theories?. Behavioral and Brain Sciences, 2001, 24, 749-755.	0.7	1
146	Effects of distance and eye-height on time-to-contact estimates. Movement and Sports Sciences - Science Et Motricite, 2015, , 17-27.	0.3	1
147	Canned Emotions. Effects of Genre and Audience Reaction on Emotions. Art and Perception, 2017, 5, 312-336.	0.5	1
148	Spatial Representation: Posers and Paradigms. American Journal of Psychology, 1995, 108, 283.	0.3	0
149	Crossmodal perception and the function of emotion. Advances in Psychology, 1999, 129, 439-443.	0.1	0
150	Multi-level sensorimotor interactions. Behavioral and Brain Sciences, 2001, 24, 906-907.	0.7	0
151	Crossing a Multi-Lane Street: Irrelevant Cars Increase Unsafe Behavior. BIO Web of Conferences, 2011, 1, 00009.	0.2	0
152	The Effects of Hemianopia on Perception of Mutual Gaze. Optometry and Vision Science, 2019, 96, 860-865.	1.2	0
153	The Event Structure of Motion Perception. , 2004, , 139-156.		0
154	Wie schmeckt Wein? – Der multisensorische Ursprung der Gaumenfreude. , 2012, , 175-185.		0
155	Do happy faces really modulate liking for Jackson Pollock art and statistical fractal noise images?. Psihologija, 2017, 50, 219-237.	0.6	0
156	Linking contemporary research to the classics: Celebrating 125 years at APA Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 1695-1700.	0.9	0
157	Functional Neuroanatomy of Time-To-Passage Perception. Journal of Behavioral and Brain Science, 2018, 08, 622-640.	0.5	0
158	Are you looking at me? The effects of hemianopia on perception of mutual gaze. Journal of Vision, 2018, 18, 927.	0.3	0
159	A new perspective on CMS – testing the effect of camera displacement in a realistic lane-change task. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1632-1633.	0.3	0
160	Mirror or camera? Acceptance and valuation of camera-monitor systems. Transportation Research Interdisciplinary Perspectives, 2022, 13, 100512.	2.7	0
161	Stereo viewing upsets cinematic continuity: Filmic cuts are more salient in 3D than in 2D movies Psychology of Aesthetics, Creativity, and the Arts, 0, , .	1.3	0