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Computational modelling of visual attention

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#	Paper	IF	Citations
2306	A neuromorphic VLSI device for implementing 2-D selective attention systems. 2001 , 12, 1455-63		35
2305	Computational Modeling of Various Cognitive Functionalities and Domains. 2001, 187-664		
2304	Computational Models of Attention and Cognitive Control. 2001, 422-450		4
2303	Cognitive Modeling for Cognitive Engineering. 2001, 565-588		2
2302	Diagnostic decision-making in anatomic pathology. 2001 , 116 Suppl, S21-33		5
2301	Experiments with a Social Learning Model. 2001 , 9, 209-240		10
2300	A neural model combining attentional orienting to object recognition: preliminary explorations on the interplay between where and what.		10
2299	Neural mechanisms of bottom-up selection during visual search.		О
2298	Cortical region interactions and the functional role of apical dendrites. 2002 , 1, 219-28		44
2297	A context and task dependent visual attention system to control a mobile robot.		4
2296			1
2295	Head-centred meridian effect on auditory spatial attention orienting. 2002, 55, 937-63		15
2294	Visual search for dimensionally redundant pop-out targets: Parallel-coactive processing of dimensions is location specific 2002 , 28, 1303-1322		54
2293	Investigating spatial vision and dynamic attentional selection using a gaze-contingent multiresolutional display 2002 , 8, 99-117		46
2292	A model of motion attention for video skimming.		16
2291	A user attention model for video summarization. 2002,		267
2290	Surfing a spike wave down the ventral stream. 2002 , 42, 2593-615		190

(2003-2002)

2289	The time course of selective visual attention: theory and experiments. 2002 , 42, 2925-45	65
2288	. 2002 , 24, 420-425	80
2287	A saliency map in primary visual cortex. 2002 , 6, 9-16	450
2286	Event-related potentials elicited by stimulus spatial discrepancy in humans. 2002 , 326, 73-6	47
2285	The functional architecture of attention. 2002 , 12, R158-62	9
2284	Visual attention: light enters the jungle. 2002 , 12, R599-601	5
2283	A perceptual level mechanism of the inhibition of return in oculomotor planning. 2002, 14, 269-76	9
2282	Parietal mechanisms of target representation. 2002 , 12, 134-40	36
2281	Orienting of attention in left unilateral neglect. 2002 , 26, 217-34	272
2280	Spatiotemporal mechanisms for detecting and identifying image features in human vision. 2002 , 5, 812-6	109
2279	Saliency of peripheral targets in gaze-contingent multiresolutional displays. 2002 , 34, 491-9	28
2278	A visual attention model for adapting images on small displays. 2003 , 9, 353-364	278
2277	A visual system for invariant recognition in animated image sequences. 2003 , 52-54, 631-636	
2276	Visual attention: the where, what, how and why of saliency. 2003 , 13, 428-32	267
2275	Cognitive physiology: moving the mind's eye before the head's eye. 2003 , 13, R442-4	4
2274	Visual saliency and spike timing in the ventral visual pathway. 2003 , 97, 365-77	63
2273	Computations in the early visual cortex. 2003 , 97, 121-39	40
2272	Real-time visual attention on a massively parallel SIMD architecture. 2003 , 9, 189-196	15

2271	Exploring the consequences of the previous trial. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 435-43	146
2270	Implementation of Visual Attention System Using Bottom-up Saliency Map Model. 2003, 678-685	6
2269	Human-vision-based selection of image processing algorithms for planetary exploration. 2003 , 12, 917-23	8
2268	Human gaze control during real-world scene perception. 2003 , 7, 498-504	920
2267	Is synchronized neuronal gamma activity relevant for selective attention?. 2003, 42, 265-72	188
2266	Reward-dependent gain and bias of visual responses in primate superior colliculus. 2003 , 39, 693-700	184
2265	Effective image browsing on mobile devices: a region-based approach.	
2264	Foveated analysis of video.	2
2263	A user-attention based focus detection framework and its applications.	1
2262	Automatic video summarization by graph modeling. 2003,	7
2261	A model of multi-scale perceptual organization in information graphics.	5
2260	Cascaded attention and grouping for object recognition from video.	2
2259	User-oriented approach in spatial and temporal domain video coding.	
2258	Visual attention based image browsing on mobile devices. 2003,	1
2257	Visual importance-biased image synthesis animation. 2003,	3
2256	Visual attention based information culling for Distributed Virtual Environments. 2003,	15
2255	Automatic browsing of large pictures on mobile devices. 2003,	69
2254	Experience based sampling technique for multimedia analysis. 2003,	4

Neural mechanism for noise exclusion in spatial cueing. **2003**, 97, 833-42

Recognition by top-down and bottom-up processing in cortex: the control of selective attention. 2003 , 90, 798-810	30
Video segmentation based on active vision. 2003 ,	
Utilization and viability of biologically-inspired algorithms in a dynamic multiagent camera surveillance system. 2003 ,	
2249 Dynamic predictions of tracked gaze. 2003 ,	3
2248 Selective Visual Attention and Visual Search: Behavioral and Neural Mechanisms. 2003 , 157-191	
PSQM-based RR and NR video quality metrics. 2003 ,	1
2246 Individual predictions of eye-movements with dynamic scenes. 2003 , 5007, 252	1
2245 Adaptive rate-distortion optimization using perceptual hints.	2
2244 A multiresolution approach to on-line handwriting segmentation and feature extraction. 2004 ,	1
2243 A feedback model of visual attention. 2004 , 16, 219-37	95
2242 Is bottom-up attention useful for object recognition?.	224
2241 Constraints on the search for visual information in sport. 2004 , 2, 301-318	80
2240 Analyzing Perceptual Organization in Information Graphics. 2004 , 3, 123-133	15
Dedicated mechanisms for the attention system in humanoid robots.	O
2238 A biologically inspired system for the detection of partially occluded objects.	
A computational model of object-based selective visual attention mechanism in visual information acquisition.	1
2236 Cognitive control in motor expertise. 2004 , 2, 274-300	47

2235	Recurrent network with large representational capacity. 2004 , 16, 1917-42		8
2234	V4 activity before saccades. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 81-81	13.5	2
2233	Visual Salience and Reference Resolution in Simulated 3-D Environments. 2004 , 21, 253-267		5
2232	Perceptual grouping and the interactions between visual cortical areas. 2004 , 17, 695-705		142
2231	Modelling gaze shift as a constrained random walk. 2004 , 331, 207-218		80
2230	Nouse lise your nose as a mouselperceptual vision technology for hands-free games and interfaces. 2004 , 22, 931-942		59
2229	Identifying neural correlates of consciousness: the state space approach. 2004 , 13, 709-29		47
2228	Video content representation on tiny devices.		2
2227	On the role of color in the perception of motion in animated visualizations.		9
2226	Matching behavior and the representation of value in the parietal cortex. 2004 , 304, 1782-7		814
2225	Realistic avatar eye and head animation using a neurobiological model of visual attention. 2004,		90
2224	Automatic foveation for video compression using a neurobiological model of visual attention. 2004 , 13, 1304-18		484
2223	A neurodynamical cortical model of visual attention and invariant object recognition. 2004 , 44, 621-42		225
2222	Different attentional resources modulate the gain mechanisms for color and luminance contrast. 2004 , 44, 1389-401		52
2221	Attentional effects on sensory tuning for single-feature detection and double-feature conjunction. 2004 , 44, 3053-64		15
2220	The brain circuitry of attention. 2004 , 8, 223-30		286
2219	Neuronal representations of cognitive state: reward or attention?. 2004 , 8, 261-5		338
2218	Cognitive functions of gamma-band activity: memory match and utilization. 2004 , 8, 347-55		547

2217 An action video game modifies visual processing. 2004 , 27, 72-4	35
2216 Feature-based attention in human visual cortex: simulation of fMRI data. 2004 , 21, 36-45	26
Biologically inspired feature-based categorization of objects. 2004 ,	2
2214 Biologically-Inspired Face Detection: Non-Brute-Force-Search Approach.	7
2213 .	4
Teaching the computer subjective notions of feature connectedness in a visual scene for real-time vision. 2004 ,	1
Neural correlates of the automatic and goal-driven biases in orienting spatial attention. 2004 , 92, 1728-37	138
Frontal eye field activity before visual search errors reveals the integration of bottom-up and top-down salience. 2005 , 93, 337-51	104
2209 Chapter 20 Visual field defects of central origin. 2005 , 5, 397-406	
2208 Distributed biologically based real time tracking in the absence of prior target information. 2005 ,	3
2207 Adaptive image processing techniques for camera-on-a-chip sensors. 2005 , 5881, 117	O
2206 Camera attention weighted strategy for video shot grouping. 2005 ,	1
Advanced on FPA and near FPA image processing for infrared sensors. 2005 , 5783, 272	
2204 The influence of colour on oculomotor behaviour during image perception. 2005 , 16, 1557-60	4
Geospatial intelligence and the neuroscience of human vision. 2005,	
2202 Chapter 3 Visual attention and visual awareness. 2005 , 65-83	2
Dynamically structuring, updating and interrelating representations of visual and linguistic discourse context. 2005 , 167, 62-102	17

2199	Selective visual attention enables learning and recognition of multiple objects in cluttered scenes. 2005 , 100, 41-63	146
2198	Selective Attention for Identification Model: Simulating visual neglect. 2005 , 100, 172-197	8
2197	Object location memory: the interplay of multiple representations. 2005 , 33, 1147-59	14
2196	Attentional capture and inhibition (of return): the effect on perceptual sensitivity. 2005 , 67, 1305-12	38
2195	Efficient visual search without top-down or bottom-up guidance. 2005 , 67, 239-53	110
2194	Choosing the greater of two goods: neural currencies for valuation and decision making. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 363-75	447
2193	Stimulus context modulates competition in human extrastriate cortex. 2005 , 8, 1110-6	142
2192	Beetles, boxes and brain cells: neural mechanisms underlying valuation and learning. 2005 , 15, 721-9	15
2191	Mechanisms for allocating auditory attention: an auditory saliency map. 2005 , 15, 1943-7	186
2190	Non-uniform image compression using a biologically motivated selective attention model. 2005 , 67, 350-356	5
2189	Oculomotor behaviour in simultanagnosia: a longitudinal case study. 2005 , 43, 1591-7	16
2188	Toward semantic indexing and retrieval using hierarchical audio models. 2005 , 10, 570-583	8
2187	Computational modeling and exploration of contour integration for visual saliency. 2005 , 93, 188-212	26
2186	On the discriminability of hROIs, human visually selected regions-of-interest. 2005 , 93, 141-52	7
2185	A Brief and Selective History of Attention. 2005 , xxiii-xxxii	12
2184	Irrelevant Singletons Capture Attention. 2005, 418-424	11
2183	Independent controls of attentional influences in primary and secondary somatosensory cortex. 2005 , 94, 4094-107	48
2182	Task demands control acquisition and storage of visual information. 2005 , 31, 1416-38	81

(2005-2005)

2101	The intraparietal sulcus and perceptual organization. 2005 , 17, 641-51	184
2180	Automatic image retargeting with fisheye-view warping. 2005,	96
2179	Background gamma rhythmicity and attention in cortical local circuits: a computational study. 2005 , 102, 7002-7	235
2178	A visual salience map in the primate frontal eye field. 2005 , 147, 251-62	251
2177	An architectural model for combining spatial-based and object-based information for attentive video analysis.	
2176	Prioritized Spatial Updating in the Intrinsic Frame of Reference. 2005 , 5, 89-113	5
2175	Generating Sequence of Eye Fixations Using Decision-theoretic Attention Model.	
2174	Posterior parietal cortex automatically encodes the location of salient stimuli. 2005 , 25, 233-8	108
2173	A Visual Attention Model Based on DCT Domain. 2005,	О
2172	Object-based Visual Attention: a Model for a Behaving Robot.	44
2171	Boosting saliency in color image features.	3
2170	A principled approach to detecting surprising events in video.	176
	A principled approach to detecting surprising events in video. Corticocortical and thalamocortical information flow in the primate visual system. 2005, 149, 173-85	176 67
2169 2168	Corticocortical and thalamocortical information flow in the primate visual system. 2005 , 149, 173-85 Quantifying the contribution of low-level saliency to human eye movements in dynamic scenes.	67
2169 2168 2167	Corticocortical and thalamocortical information flow in the primate visual system. 2005 , 149, 173-85 Quantifying the contribution of low-level saliency to human eye movements in dynamic scenes. 2005 , 12, 1093-1123	67
2169 2168 2167 2166	Corticocortical and thalamocortical information flow in the primate visual system. 2005 , 149, 173-85 Quantifying the contribution of low-level saliency to human eye movements in dynamic scenes. 2005 , 12, 1093-1123 Attention: Bits versus Wows.	67

2163	The effects of salience on saccadic target selection. 2005 , 12, 353-375	52
2162	3D segmentation using interval analysis and pre-attentive behaviour for a humanoid robot. 2005 ,	
2161	Overt visual attention inside JDE control architecture. 2005,	1
2160	Robot steering with spectral image information. 2005 , 21, 247-251	27
2159	Cascaded Sequential Attention for Object Recognition with Informative Local Descriptors and Q-learning of Grouping Strategies.	5
2158	Reinforcement Learning of Informative Attention Patterns for Object Recognition.	1
2157	Combining attention and recognition for rapid scene analysis.	7
2156	Video summarization and scene detection by graph modeling. 2005 , 15, 296-305	215
2155	Alternate response preparation in a visuomotor serial task. 2005 , 37, 127-34	3
2154	Spatio-temporal dynamics of the visual system revealed in binocular rivalry. 2005 , 381, 63-8	1
2153	Attention, short-term memory, and action selection: a unifying theory. 2005 , 76, 236-56	241
2152	Modeling the influence of task on attention. 2005 , 45, 205-31	454
2151	Components of bottom-up gaze allocation in natural images. 2005 , 45, 2397-416	462
2150	Eye movements in natural behavior. 2005 , 9, 188-94	759
2149	Using visual attention to extract regions of interest in the context of image retrieval. 2006,	21
2148	An oscillatory neural model of multiple object tracking. 2006 , 18, 1413-40	42
2148	An oscillatory neural model of multiple object tracking. 2006 , 18, 1413-40 On the Potential of Incorporating Knowledge of Human Visual Attention into Cbir Systems. 2006 ,	2

2145	Confidence Based updation of Motion Conspicuity in Dynamic Scenes.	7
2144	A Pulse-Coupled Neural Network as A Simplified Bottom-Up Visual Attention Model. 2006,	
2143	Real-time video abstraction. 2006 ,	56
2142	Advances in Machine Vision, Image Processing, and Pattern Analysis. 2006,	4
2141	. 2006,	50
2140	. 2006,	1
2139	Biased Competitive Model of Humanoid Visual Attention Using Fuzzy Discrete Event System. 2006,	2
2138	. 2006 , 8, 937-946	19
2137	Finding a face in the crowd: parallel and serial neural mechanisms of visual selection. 2006, 155, 147-56	28
2136	Use Your Powers Wisely: Resource Allocation in Parallel Channels. 2006,	
2135	Evaluation of Intensity and Color Corner Detectors for Affine Invariant Salient Regions.	4
2134	. 2006 , 8, 707-715	31
2133	. 2006 , 8, 947-955	7
2132	A Cognitive Model for Visual Attention and Its Application. 2006,	10
2131	Experience of Animate Similarity Concepts in Multimedia Database. 2006,	
2130	Detection of small target in infrared image sequences using attention mechanism.	
2129	Boosting color saliency in image feature detection. 2006 , 28, 150-6	190
2128	How important is lateral masking in visual search?. 2006 , 170, 387-402	38

2127	. 2006 , 94, 784-804	35
2126	Distributed BOLD-response in association cortex vector state space predicts reaction time during selective attention. 2006 , 29, 1311-8	16
2125	The categorization of natural scenes: brain attention networks revealed by dense sensor ERPs. 2006 , 32, 583-91	73
2124	Artificial neural network properties associated with wiring patterns in the visual projections of vertebrates and arthropods. 2006 , 168, E38-52	9
2123	The confusion effect in predatory neural networks. 2006 , 167, E52-65	44
2122	Applying Preattentive Visual Guidance in Document Image Analysis. 2006 , 328-338	
2121	Selectively attending to natural scenes after alcohol consumption: an ERP analysis. 2006, 72, 35-45	16
2120	Selective visual attention and perceptual coherence. 2006 , 10, 38-45	374
2119	Salience, relevance, and firing: a priority map for target selection. 2006 , 10, 382-90	679
2118	Feature-based attention in visual cortex. 2006 , 29, 317-22	593
2117	The effect of spatial configuration on surround suppression of contrast sensitivity. 2006 , 6, 224-38	62
2116	Sensory Processing. 2006, 85-104	1
2115	Adaptation in the auditory space map of the barn owl. 2006 , 96, 813-25	30
2114	Development of goal-directed imitation, object manipulation, and language in humans and robots. 424-468	2
2113	Attention and the minimal subscene. 289-346	12
2112	An Attention-Driven Model for Grouping Similar Images with Image Retrieval Applications. 2006 , 2007, 1	14
2111	Combining bottom-up and top-down attentional influences. 2006,	1
2110	Constructing Visual Taxonomies by Shape. 2006 ,	

(2006-2006)

Is Woelfflin's system for characterizing art possible to validate by methods used in cognitive-based image-retrieval (CBIR)?. 2006 ,	1
Acquisition of learning processing in a navigation task using a functional parts combination model. 2108 2006 , 37, 64-76	3
A new method for calibrating perceptual salience across dimensions in infants: the case of color vs. luminance. 2006 , 9, 482-9	19
2106 Dynamic shifts of visual receptive fields in cortical area MT by spatial attention. 2006 , 9, 1156-60	261
2105 The use of attention and spatial information for rapid facial recognition in video. 2006 , 24, 557-563	10
2104 Modeling feature-based attention as an active top-down inference process. 2006 , 86, 91-9	45
2103 Synthetic computational models of selective attention. 2006 , 19, 1458-60	
2102 Astronomia nova to human brain mapping. 2006 , 19, 1453-4	
2101 Attention-driven image interpretation with application to image retrieval. 2006 , 39, 1604-1621	57
2100 The priority curve algorithm for video summarization. 2006 , 31, 679-695	15
The priority curve algorithm for video summarization. 2006 , 31, 679-695 CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006 , 10, 135-162	15 12
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006 ,	
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006 , 10, 135-162	12
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006 , 10, 135-162 2098 A biologically plausible robot attention model, based on space and time. 2006 , 7, 11-14	12 57
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006, 10, 135-162 2098 A biologically plausible robot attention model, based on space and time. 2006, 7, 11-14 2097 Gaze tracking for region of interest coding in JPEG 2000. 2006, 21, 359-377	12 57 6
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006, 10, 135-162 2098 A biologically plausible robot attention model, based on space and time. 2006, 7, 11-14 2097 Gaze tracking for region of interest coding in JPEG 2000. 2006, 21, 359-377 2096 Scene context guides eye movements during visual search. 2006, 46, 614-21	12 57 6 244
CoMMA: a framework for integrated multimedia mining using multi-relational associations. 2006, 10, 135-162 2098 A biologically plausible robot attention model, based on space and time. 2006, 7, 11-14 2097 Gaze tracking for region of interest coding in JPEG 2000. 2006, 21, 359-377 2096 Scene context guides eye movements during visual search. 2006, 46, 614-21 2095 Differences of monkey and human overt attention under natural conditions. 2006, 46, 1194-209	12 57 6 244 62

2091	Real-world visual search is dominated by top-down guidance. 2006 , 46, 4118-33	140
2090	Visual saliency as an aid to updating digital maps. 2006 , 22, 672-684	15
2089	Biologically motivated vergence control system using human-like selective attention model. 2006 , 69, 537-558	36
2088	Selective attention implemented with dynamic synapses and integrate-and-fire neurons. 2006 , 69, 1971-1976	10
2087	Stochastic saliency-based search model for search asymmetry with uncertain targets. 2006 , 69, 2112-2126	6
2086	Eye movement predictions on natural videos. 2006 , 69, 1996-2004	19
2085	Visual search deficits in Parkinson's disease are attenuated by bottom-up target salience and top-down information. 2006 , 44, 1962-77	19
2084	A simple set of numerical invariants for the analysis of images. 2006 , 16, 240-248	1
2083	Dynamic Foveation Model for Video Compression. 2006,	
2082	A Model of Space and Object-based Attention for Visual Saliency.	
2081	Goal-driven selective attention in patients with right hemisphere lesions: how intact is the ipsilesional field?. 2006 , 129, 168-81	38
2080	Covert attention increases contrast sensitivity: Psychophysical, neurophysiological and neuroimaging studies. 2006 , 154, 33-70	91
2079	Real-time video abstraction. 2006, 25, 1221-1226	302
2078	Video retargeting. 2006,	131
2077	Robot task-driven attention. 2006 ,	4
2076	Locus of dimension weighting: Preattentive or postselective?. 2006 , 14, 490-513	79
2075	Visual search and selective attention. 2006 , 14, 389-410	55
2074	Visual search and single-cell electrophysiology of attention: Area MT, from sensation to perception. 2006 , 14, 898-910	7

2073	Top-down guidance of visual search: A computational account. 2006 , 14, 985-1005	11
2072	A theory of a saliency map in primary visual cortex (V1) tested by psychophysics of colourBrientation interference in texture segmentation. 2006 , 14, 911-933	28
2071	Does the inspector have a memory?. 2006 , 14, 648-667	19
2070	Looking you in the mouth: abnormal gaze in autism resulting from impaired top-down modulation of visual attention. 2006 , 1, 194-202	179
2069	Quantitative modelling of perceptual salience at human eye position. 2006 , 14, 959-984	66
2068	Posterior parietal mechanisms of visual attention. 2006 , 17, 415-27	30
2067	Integration of exogenous input into a dynamic salience map revealed by perturbing attention. 2006 , 26, 9239-49	81
2066	Integration of visuospatial and effector information during symbolically cued limb movements in monkey lateral intraparietal area. 2006 , 26, 8310-9	81
2065	Photorealistic Attention-Based Gaze Animation. 2006,	14
2064	Region Enhanced Scale-Invariant Saliency Detection. 2006,	44
2063	Adaptive body schema for robotic tool-use. 2006 , 20, 1105-1126	39
2062	Informatics in neuroscience. 2007 , 8, 446-56	11
2061	Biologically-inspired robotics vision monte-carlo localization in the outdoor environment. 2007,	28
2060	A Visual Selection Mechanism Based on a Pulse-Coupled Neural Network. 2007,	4
2059	GPU-accelerated affordance cueing based on visual attention. 2007,	6
2058	A Proto-object Based Visual Attention Model. 2007 , 198-215	20
2057	CB: a humanoid research platform for exploring neuroscience. 2007 , 21, 1097-1114	129
2056	High Speed Visual Saliency Computation on GPU. 2007,	3

A Multiple Visual Models Based Perceptive Analysis Framework for Multilevel Video Summarization. 2007 , 17, 273-285	63
2054 A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. 2007 ,	
2053 The New Robotics-towards human-centered machines. 2007 , 1, 115-26	53
2052 DrawBot: a bio-inspired robotic portraitist. 2007 , 18, 24-33	1
2051 A Novel Approach for Change Detection in Remote Sensing Image Based on Saliency Map. 200	7 ,
Reactive Virtual Human with Bottom-up and Top-down Visual Attention for Gaze Generation in Realtime Interactions. 2007 ,	n
2049 A model of modes of attention and inattention for artificial perception. 2007 , 2, S94-S115	3
2048 Toward a unified fidelity metric of still-coded images. 2007 , 16, 013005	3
Feature-specific interactions in salience from combined feature contrasts: evidence for a bottom-up saliency map in V1. 2007 , 7, 6.1-14	67
2046 Regarding Scenes. 2007 , 16, 219-222	164
2046 Regarding Scenes. 2007, 16, 219-222 2045 KI 2007: Advances in Artificial Intelligence. 2007,	164
	<u>'</u>
2045 KI 2007: Advances in Artificial Intelligence. 2007 ,	1
2045 KI 2007: Advances in Artificial Intelligence. 2007 , 2044 Intelligent Computing Everywhere. 2007 ,	1 5 18
2045 KI 2007: Advances in Artificial Intelligence. 2007, 2044 Intelligent Computing Everywhere. 2007, 2043 Challenges for Computational Intelligence. 2007, Bio-inspired model of visual information encoding for localization: from the retina to the lateral	1 5 18 al 1
2045 KI 2007: Advances in Artificial Intelligence. 2007, 2044 Intelligent Computing Everywhere. 2007, 2043 Challenges for Computational Intelligence. 2007, Bio-inspired model of visual information encoding for localization: from the retina to the laterageniculate nucleus. 2007, 6, 477-509	1 5 18 al 1 5 79
2045 KI 2007: Advances in Artificial Intelligence. 2007, 2044 Intelligent Computing Everywhere. 2007, 2043 Challenges for Computational Intelligence. 2007, 2042 Bio-inspired model of visual information encoding for localization: from the retina to the lateral geniculate nucleus. 2007, 6, 477-509 2041 An integrated microcircuit model of attentional processing in the neocortex. 2007, 27, 8486-95	1 5 18 al 1 5 79

2037 A gentle introduction to bilateral filtering and its applications. 2007 ,	18
Visual Selection and Shifting Mechanisms Based on a Network of Chaotic Wilson-Cowan Oscillators. 203 6 2007 ,	2
2035 Bio-inspired visual attention and object recognition. 2007 ,	1
New model of region extraction based on salient region detection and scale-space primal sketch. 2034 2007 ,	1
How does the purpose of inspection influence the potency of visual salience in scene perception?. 2037 , 36, 1123-38	84
2032 Compact Visualisation of Video Summaries. 2007 , 2007,	4
2031 A bio-inspired system for spatio-temporal recognition in static and video imagery. 2007 ,	
2030 Hidden Markov model-based face recognition using selective attention. 2007 ,	5
2029 Cognitive load reducing in destination decision system. 2007 ,	
2028 Attention and consciousness: two distinct brain processes. 2007 , 11, 16-22	692
2028 Attention and consciousness: two distinct brain processes. 2007 , 11, 16-22 2027 The role of context in object recognition. 2007 , 11, 520-7	692 580
	Ź
The role of context in object recognition. 2007 , 11, 520-7 From thought to action: the parietal cortex as a bridge between perception, action, and cognition.	580
The role of context in object recognition. 2007 , 11, 520-7 From thought to action: the parietal cortex as a bridge between perception, action, and cognition. 2007 , 53, 9-16	580 370
The role of context in object recognition. 2007, 11, 520-7 From thought to action: the parietal cortex as a bridge between perception, action, and cognition. 2007, 53, 9-16 Search goal tunes visual features optimally. 2007, 53, 605-17 Different processing phases for features, figures, and selective attention in the primary visual	580 370 225
The role of context in object recognition. 2007, 11, 520-7 From thought to action: the parietal cortex as a bridge between perception, action, and cognition. 2007, 53, 9-16 Search goal tunes visual features optimally. 2007, 53, 605-17 Different processing phases for features, figures, and selective attention in the primary visual cortex. 2007, 56, 785-92 Common regions of dorsal anterior cingulate and prefrontal-parietal cortices provide attentional	580 370 225 88
The role of context in object recognition. 2007, 11, 520-7 From thought to action: the parietal cortex as a bridge between perception, action, and cognition. 2007, 53, 9-16 Search goal tunes visual features optimally. 2007, 53, 605-17 Different processing phases for features, figures, and selective attention in the primary visual cortex. 2007, 56, 785-92 Common regions of dorsal anterior cingulate and prefrontal-parietal cortices provide attentional control of distracters varying in emotionality and visibility. 2007, 38, 631-9 Rapid biologically-inspired scene classification using features shared with visual attention. 2007,	580 370 225 88

2019	Detection of Terrorist Threats in Air Passenger Luggage: Expertise Development. 2007,	7
2018	Human Attention Model for Action Movie Analysis. 2007,	4
2017	Sensorimotor coordination in a "baby" robot: learning about objects through grasping. 2007 , 164, 403-24	12
2016	Anticipatory Behavior in Adaptive Learning Systems. 2007,	17
2015	Asymmetry of anticipatory activity in visual cortex predicts the locus of attention and perception. 2007 , 27, 14424-33	94
2014	A model for image categorisation based on a biological visual mechanism. 2007 , 50, 781-787	
2013	Object Perception, Attention, and Memory (OPAM) 2006 Conference Report. 2007, 15, 69-123	3
2012	Efficient Registration of Aerial Image Sequences Without Camera Priors. 2007, 394-403	2
2011	Attention in hierarchical models of object recognition. 2007 , 165, 57-78	46
2 010	Local Invariant Feature Detectors: A Survey. 2007 , 3, 177-280	824
	Local Invariant Feature Detectors: A Survey. 2007, 3, 177-280 Visual saliency does not account for eye movements during visual search in real-world scenes. 2007, 537-III	169
2009		
2009	Visual saliency does not account for eye movements during visual search in real-world scenes. 2007 , 537-III	169
2009 2008 2007	Visual saliency does not account for eye movements during visual search in real-world scenes. 2007, 537-III Learning where to look. 2007, 641-IX Probabilistic modeling of eye movement data during conjunction search via feature-based	169 7
2009 2008 2007 2006	Visual saliency does not account for eye movements during visual search in real-world scenes. 2007, 537-III Learning where to look. 2007, 641-IX Probabilistic modeling of eye movement data during conjunction search via feature-based attention. 2007, 7, 5	169 7 55
2009 2008 2007 2006	Visual saliency does not account for eye movements during visual search in real-world scenes. 2007, 537-III Learning where to look. 2007, 641-IX Probabilistic modeling of eye movement data during conjunction search via feature-based attention. 2007, 7, 5 Where people look when watching movies: do all viewers look at the same place?. 2007, 37, 957-64	169 7 55 90
2009 2008 2007 2006	Visual saliency does not account for eye movements during visual search in real-world scenes. 2007, 537-III Learning where to look. 2007, 641-IX Probabilistic modeling of eye movement data during conjunction search via feature-based attention. 2007, 7, 5 Where people look when watching movies: do all viewers look at the same place?. 2007, 37, 957-64 A novel attention model and its application in video analysis. 2007, 185, 963-975	169 7 55 90 8

2001 Vision: attending the invisible. 2007 , 17, R202-3	1
2000 Comparing the time course and efficacy of spatial and feature-based attention. 2007 , 47, 108-13	117
Feature-based processing of audio-visual synchrony perception revealed by random pulse trains. 2007 , 47, 1075-93	38
1998 Investigating a space-variant weighted salience account of visual selection. 2007 , 47, 1809-20	20
1997 Eye movements during rapid pointing under risk. 2007 , 47, 2000-9	13
1996 Observers are consistent when rating image conspicuity. 2007 , 47, 3052-60	12
1995 Foveated analysis of image features at fixations. 2007 , 47, 3160-72	29
1994 Analysis of face gaze in autism using "Bubbles". 2007 , 45, 144-51	141
1993 From physiological principles to computational models of the cortex. 2007 , 101, 32-9	5
1992 Nonlinear dynamics modeling and information processing in the brain. 2007 , 16, 111-124	3
1991 The role of first- and second-order stimulus features for human overt attention. 2007 , 69, 153-61	27
1990 Closure of salient regions determines search for a collinear target configuration. 2007 , 69, 32-47	24
1989 Supervised tensor learning. 2007 , 13, 1-42	246
1988 Attention driven reference resolution in multimodal contexts. 2007 , 25, 21-35	1
1987 Winner-take-all selection in a neural system with delayed feedback. 2007 , 97, 221-8	11
1986 A real-time object detecting and tracking system for outdoor night surveillance. 2008 , 41, 432-444	85
1985 Gaze motion clustering in scan-path estimation. 2008 , 9, 269-82	1
1984 Bayesian feature evaluation for visual saliency estimation. 2008 , 41, 3302-3312	4

1983	Cognitive vision: The case for embodied perception. 2008 , 26, 127-140	36
1982	Modeling the integration of expectations in visual search with centre-surround neural fields. 2008 , 21, 1476-92	1
1981	Applying models of visual search to map display design. 2008 , 66, 67-77	5
1980	An Adaptive Algorithm for Eye-Gaze-Tracking-Device Calibration. 2008 , 57, 716-723	17
1979	Predictive coding as a model of biased competition in visual attention. 2008 , 48, 1391-408	177
1978	Turning the world around: patterns in saccade direction vary with picture orientation. 2008, 48, 1777-90	77
1977	A two-stage neural spiking model of visual contrast detection in perimetry. 2008, 48, 1859-69	15
1976	Ambiguities and conventions in the perception of visual art. 2008 , 48, 2143-53	52
1975	Saccadic facilitation in natural backgrounds. 2008 , 18, 124-8	18
1974	Tensor Rank One Discriminant Analysis convergent method for discriminative multilinear subspace selection. 2008 , 71, 1866-1882	85
1973	A conceptual frame with two neural mechanisms to model selective visual attention processes. 2008 , 71, 704-720	5
1972	Moving to higher ground: The dynamic field theory and the dynamics of visual cognition. 2008 , 26, 227-251	73
1971	A theory of eye movements during target acquisition. 2008 , 115, 787-835	292
1970	Eye movements as a probe of attention. 2008, 171, 403-11	36
1969	Distinct mechanisms for top-down control of neural gain and sensitivity in the owl optic tectum. 2008 , 60, 698-708	42
1968	Combined visual attention model for video sequences. 2008,	3
1967	SUN: A Bayesian framework for saliency using natural statistics. 2008 , 8, 32.1-20	792
1966	Extracting Regions of Interest in Biomedical Images. 2008,	7

1965 Visual Selective Attention Model for Robot Vision. 2008 ,	1
1964 Associative neural networks for machine consciousness: Improving existing AI technologies. 2008	3,
1963 Salient objects detection in time sequenced images. 2008 ,	
Automatic selection of representative photo and smart thumbnailing using near-duplicate detection. 2008,	23
Where-what network 1: Whereland Whatlassist each other through top-down connections. 2008	15
1960 . 2008 ,	3
1959 Retinotopy and selective visual attention in humans and computers. 2008 ,	0
1958 Dynamic Visual Saliency Modeling for Video Semantics. 2008 ,	
On Purely Automated Attacks and Click-Based Graphical Passwords. 2008 ,	28
1956 Aesthetics and complexity in digital layout systems. 2008 , 19, 33-50	1
1955 Visual attention on the sphere. 2008 , 17, 2000-14	22
An eyetracking study of estimation accuracy: Examining cerebellar tumours from Magnetic resonance spectroscopy graphs. 2008 ,	
Objects or Locations in Vision for Action? Evidence from the MILO task. 2008 , 16, 486-513	9
1952 Nonlinear data fusion in saliency-based visual attention. 2008 ,	2
1951 Sensorimotor coupling via Dynamic Bayesian Networks. 2008 ,	1
1950 Effects of salience are short-lived. 2008 , 19, 733-9	108
WHAT THE DRAUGHTSMAN'S HAND TELLS THE DRAUGHTSMAN'S EYE: A SENSORIMOTOR ACCOUNT OF DRAWING. 2008 , 22, 1015-1029	9
1948 A Visual Attention Model for Dynamic Scenes Based on Two-Pathway Processing in Brain. 2008 ,	

1947 Human attention model for semantic scene analysis in movies. 2008,

1946 Saliency based objective quality assessment of decoded video affected by packet losses. 2008 ,	6
1945 A two-stage approach to saliency detection in images. 2008 ,	8
1944 Hierarchical identification of visually salient image regions. 2008 ,	
1943 From Animals to Animats 10. 2008 ,	
1942 Neural integration of top-down spatial and feature-based information in visual search. 2008 , 28, 614	1-51 158
1941 Intelligent motor decision: From selective attention to a Bayesian world model. 2008 ,	5
1940 A psychophysical study of fixation behavior in a computer game. 2008 ,	30
1939 Estimating emotion regulation capabilities. 2008 ,	1
1938 Noisy video super-resolution. 2008 ,	11
1937 Neuronal correlates of the set-size effect in monkey lateral intraparietal area. 2008 , 6, e158	73
1936 Cortical activity time locked to the shift and maintenance of spatial attention. 2008 , 18, 1384-94	40
1935 Enactive Robot Vision. 2008 , 16, 122-128	14
1934 Consciousness and hallucinations in schizophrenia: the role of synapse regression. 2008 , 42, 915-31	11
1933 NIMBLE: a kernel density model of saccade-based visual memory. 2008 , 8, 17.1-14	11
1932 Perception of complex aggregates. 2008 , 27, 1-10	14
1931 Perception of complex aggregates. 2008,	5
1930 Target-directed attention: Sequential decision-making for gaze planning. 2008,	16

1929 A model for long-term environmental sound detection. 2008 ,	4
1928 Constructing Ambient Intelligence. 2008,	6
1927 Eye-Movement Analysis of Search Effectiveness. 2008 , 103, 452-461	59
1926 Dynamic visual saliency modeling based on spatiotemporal analysis. 2008 ,	1
1925 Constrained sampling for image retargeting. 2008 ,	
1924 Utility Presentation in Destination Decision System. 2008 ,	
Visual context representation using a combination of feature-driven and object-driven mechanism 2008 ,	ns.
1922 Scalable visual sensitivity profile estimation. 2008 ,	8
1921 Is attention drawn to changes in familiar scenes?. 2008 , 16, 356-374	11
1920 Bilateral Filtering: Theory and Applications. 2008 , 4, 1-75	229
1920 Bilateral Filtering: Theory and Applications. 2008, 4, 1-75 Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008,	
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons	S. 2
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008 ,	S. 2
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008 , Differences in brain information processing between print and computer screens. 2008 , 27, 399-42	S. 2 23 8 91
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008, Differences in brain information processing between print and computer screens. 2008, 27, 399-42 Research Note©tompetitive Brand Salience. 2008, 27, 922-931	s. 2 23 8 91
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008, 1918 Differences in brain information processing between print and computer screens. 2008, 27, 399-42 1917 Research Note© ompetitive Brand Salience. 2008, 27, 922-931 1916 Guidance of attention to objects and locations by long-term memory of natural scenes. 2008, 34, 1	s. 2 23 8 91 1325-38 25
Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons 2008, 1918 Differences in brain information processing between print and computer screens. 2008, 27, 399-42 1917 Research Note(Iompetitive Brand Salience. 2008, 27, 922-931 1916 Guidance of attention to objects and locations by long-term memory of natural scenes. 2008, 34, 1 1915 Biologically Motivated Salient Regions Detection Approach. 2008,	s. 2 23 8 91 1325-38 25 3

1911 Object Categorization in Man, Monkey, and Machine: Some Answers and Some Open Questions. 216-240

1910 Been there, seen that: a neural mechanism for performing efficient visual search. 2009 , 102, 3481-91	52
1909 Visual modulation of auditory responses in the owl inferior colliculus. 2009 , 101, 2924-33	26
$_{1908}$ Frontal eye field activity enhances object identification during covert visual search. 2009 , 102, 3656-72	57
1907 Culture modulates eye-movements to visual novelty. 2009 , 4, e8238	41
1906 Early and late modulation of saccade deviations by target distractor similarity. 2009 , 102, 1451-8	59
1905 On Adaptive Self-Organization in Artificial Robot Organisms. 2009 ,	5
1904 . 2009 ,	177
1903 Actionable information in vision. 2009 ,	30
1902 Office-mate: Selective attention and incremental object perception. 2009 ,	
1901 Image retargeting based on global energy optimization. 2009,	27
1900 Multiscale detection of salient regions. 2009,	
Multiscale data reduction with flexible saliency criterion for biological image analysis. 2009 , 2009, 3703-	6
Integrating Perceptual Properties of the HVS into the Computational Model of Visual Attention. 2009 ,	2
1897 The Impact of Task on Visual Attention. 2009 ,	
1896 A dataset and evaluation methodology for visual saliency in video. 2009 ,	2
1895 Chaotic phase synchronization for visual selection. 2009 ,	2
1894 Salient Region Detection Based on Automatic Feature Selection. 2009 ,	O

(2009-2009)

1893	Teaching a humanoid robot: Headset-free speech interaction for audio-visual association learning. 2009 ,	4
1892	Face saliency in various human visual saliency models. 2009,	4
1891	Attention in Cognitive Systems. 2009,	1
1890	The precision of visual working memory is set by allocation of a shared resource. 2009 , 9, 7.1-11	482
1889	Attention Manipulation for Naval Tactical Picture Compilation. 2009,	4
1888	Automatically extracting salient regions in natural images. 2009,	
1887	Shot Boundary Detection Based on SVMs via Visual Attention Features. 2009,	2
1886	The remains of the trial: goal-determined inter-trial suppression of selective attention. 2009 , 176, 195-213	11
1885	On predicting visual popping in dynamic scenes. 2009 ,	12
1884	Simulations cognitives de trajets oculomoteurs lors d'une recherche d'information sur des pages numEiques. 2009 ,	
1883	Extracting regions of interest based on phase spectrum and morphological approach. 2009,	1
1882	Attention driven visual processing for an interactive dialog robot. 2009,	3
1881	Modelling the role of task in the control of gaze. 2009 , 17, 1185-1204	83
1880	The nature of the visual representations involved in eye movements when walking down the street. 2009 , 17, 880-903	40
1879	Bistable perception modeled as competing stochastic integrations at two levels. 2009 , 5, e1000430	62
1878	SUN: Top-down saliency using natural statistics. 2009 , 17, 979-1003	193
1877	Gaze control and memory for objects while walking in a real world environment. 2009, 17, 1159-1184	18
1876	Simulation and formal analysis of visual attention. 2009 , 7, 89-105	12

1875	Evaluation of visual attention models under 2D similarity transformations. 2009,	2
1874	Modeling Search for People in 900 Scenes: A combined source model of eye guidance. 2009 , 17, 945-978	238
1873	Distractor effect and saccade amplitudes: Further evidence on different modes of processing in free exploration of visual images. 2009 , 17, 1109-1131	41
1872	Facilitation of return during scene viewing. 2009 , 17, 1083-1108	64
1871	Selective attention in multi-chip address-event systems. 2009 , 9, 5076-8098	28
1870	Interaction of language and visual attention: evidence from production and comprehension. 2009 , 176, 277-92	22
1869	Viewing task influences eye movement control during active scene perception. 2009 , 9, 6.1-15	210
1868	Visual salience affects performance in a working memory task. 2009 , 29, 8016-21	67
1867	An adaptive detection/attention mechanism for real time robot operation. 2009, 72, 850-860	10
1866	A network of integrate and fire neurons for visual selection. 2009 , 72, 2198-2208	2
1865	Eye-movements reveal attention to social information in autism spectrum disorder. 2009 , 47, 248-57	217
1864	Attention via Synchrony: Making Use of Multimodal Cues in Social Learning. 2009, 1, 55-67	30
1863	Dynamic Intelligent Lighting for Directing Visual Attention in Interactive 3-D Scenes. 2009 , 1, 145-153	24
1862	Attention during sequences of saccades along marked and memorized paths. 2009 , 49, 1256-66	40
1861	Bayesian surprise attracts human attention. 2009 , 49, 1295-306	616
1860	Linking physiology with behaviour: Functional specialisation of the visual field is reflected in gaze patterns during visual search. 2009 , 49, 237-48	14
1859	Visuomotor characterization of eye movements in a drawing task. 2009 , 49, 810-8	25
1858	Attentional guidance relies on a winner-take-all mechanism. 2009 , 49, 1522-31	12

(2009-2009)

1857	Effects of luminance contrast and its modifications on fixation behavior during free viewing of images from different categories. 2009 , 49, 1541-53	36
1856	Automatic computation of an image's statistical surprise predicts performance of human observers on a natural image detection task. 2009 , 49, 1620-37	5
1855	Can intertrial priming account for the similarity effect in visual search?. 2009, 49, 1738-56	62
1854	The contribution of low-level features at the centre of gaze to saccade target selection. 2009 , 49, 2918-26	4
1853	Development of infants' attention to faces during the first year. 2009 , 110, 160-70	254
1852	View-invariant object category learning, recognition, and search: how spatial and object attention are coordinated using surface-based attentional shrouds. 2009 , 58, 1-48	83
1851	Recognition of natural scenes from global properties: seeing the forest without representing the trees. 2009 , 58, 137-76	286
1850	Capture of attention to threatening stimuli without perceptual awareness. 2009 , 19, 1118-22	46
1849	Selecting and ignoring salient objects within and across dimensions in visual search. 2009 , 1283, 84-101	19
1848	Modeling stimulus-driven attentional selection in dynamic natural scenes. 2009 , 37, 3-30	
1847	Reasoning as simulation. 2009, 10, 343-53	6
1846		
	Brain Derived Vision Algorithm on High Performance Architectures. 2009 , 37, 345-369	3
1845	Brain Derived Vision Algorithm on High Performance Architectures. 2009, 37, 345-369 A Cognitive Model of Saliency, Attention, and Picture Scanning. 2009, 1, 292-299	21
1845 1844		
13	A Cognitive Model of Saliency, Attention, and Picture Scanning. 2009 , 1, 292-299	21
1844	A Cognitive Model of Saliency, Attention, and Picture Scanning. 2009 , 1, 292-299 Non-visually evoked activity of isthmo-optic neurons in awake, head-unrestrained quail. 2009 , 194, 339-46	21
1844	A Cognitive Model of Saliency, Attention, and Picture Scanning. 2009, 1, 292-299 Non-visually evoked activity of isthmo-optic neurons in awake, head-unrestrained quail. 2009, 194, 339-46 NLOOK: a computational attention model for robot vision. 2009, 15, 3-17 Multiple target tracking with lazy background subtraction and connected components analysis. 2009, 20, 93-101	21 6 2

1839	A fuzzy logics clustering approach to computing human attention allocation using eyegaze movement cue. 2009 , 67, 455-463	6
1838	Chaotic phase synchronization and desynchronization in an oscillator network for object selection. 2009 , 22, 728-37	40
1837	Cortext: a columnar model of bottom-up and top-down processing in the neocortex. 2009 , 22, 1055-70	15
1836	An efficient algorithm for attention-driven image interpretation from segments. 2009 , 42, 126-140	14
1835	Multi-scale lines and edges in V1 and beyond: brightness, object categorization and recognition, and consciousness. 2009 , 95, 206-26	16
1834	Domain knowledge moderates the influence of visual saliency in scene recognition. 2009 , 100, 377-98	34
1833	You look where I look! Effect of gaze cues on overt and covert attention in misdirection. 2009 , 17, 925-944	93
1832	The limits of top-down control of visual attention. 2009 , 132, 201-12	58
1831	Spatial asymmetries in viewing and remembering scenes: consequences of an attentional bias?. 2009 , 71, 1251-62	61
1830	The importance of being expert: top-down attentional control in visual search with photographs. 2009 , 71, 1478-86	34
1829	Eye-movement assessment of the time course in facial expression recognition: Neurophysiological implications. 2009 , 9, 398-411	49
1828	Stroop and picture-word interference are two sides of the same coin. 2009 , 16, 987-99	59
1827	Evaluating the Effectiveness and Efficiency of Visual Variables for Geographic Information Visualization. 2009 , 195-211	72
1826	Recognition-Driven Two-Dimensional Competing Priors Toward Automatic and Accurate Building Detection. 2009 , 47, 133-144	72
1825	Age-related changes in early novelty processing as measured by ERPs. 2009, 82, 33-44	32
1824	Parcellation of parietal cortex: convergence between lesion-symptom mapping and mapping of the intact functioning brain. 2009 , 199, 171-82	68
1823	Unwanted effects in aiming actions: The relationship between gaze behavior and performance in a golf putting task. 2009 , 10, 628-635	27
1822	Different time courses of event-related potentials in spatial search for emotionally loaded faces. 2009 , 74, 183-91	5

(2009-2009)

1'll walk this way: eyes reveal the direction of locomotion and make passersby look and go the other way. 2009 , 20, 1454-8	53
$_{1820}$ Effects of salience and reward information during saccadic decisions under risk. 2009 , 26, B1-13	28
1819 Eye movements and attention in reading, scene perception, and visual search. 2009 , 62, 1457-506	1435
1818 Top-down control of eye movements: Yarbus revisited. 2009 , 17, 790-811	98
1817 Multimedia Content Analysis. 2009 ,	14
A SURVEY OF BIOLOGICALLY INSPIRED IMAGE PROCESSING FOR OBJECTS RECOGNITION. 2009 , 09, 495-510	1
1815 Pulse discrete cosine transform for saliency-based visual attention. 2009 ,	3
1814 An oscillatory correlation model of object-based attention. 2009 ,	6
1813 . 2009 , 11, 856-867	127
1812 Color in attention control. 2009 ,	
1811 Biologically Inspired Mobile Robot Vision Localization. 2009 , 25, 861-873	144
Biologically Inspired Mobile Robot Vision Localization. 2009 , 25, 861-873 The speed of free will. 2009 , 62, 2262-88	144 34
1810 The speed of free will. 2009 , 62, 2262-88 Re-mapping of visual saliency in overt attention: A particle filter approach for robotic systems.	34
The speed of free will. 2009 , 62, 2262-88 Re-mapping of visual saliency in overt attention: A particle filter approach for robotic systems. 2009 ,	34
The speed of free will. 2009, 62, 2262-88 Re-mapping of visual saliency in overt attention: A particle filter approach for robotic systems. 2009, Applying neuromorphic vision sensors to planetary landing tasks. 2009,	34 3 5
The speed of free will. 2009, 62, 2262-88 Re-mapping of visual saliency in overt attention: A particle filter approach for robotic systems. 2009, Applying neuromorphic vision sensors to planetary landing tasks. 2009, An approach for image retrieval based on visual saliency. 2009,	34 3 5

1803 Long-range neural coupling through synchronization with attention. 2009 , 176, 35-45	62
1802 Perceptual quality assessment based on visual attention analysis. 2009 ,	37
The changes of cortical metabolism associated with the clinical response to donepezil therapy traumatic brain injury. 2009 , 32, 63-8	in ₁₈
$_{1800}$ A new method for the extraction of region-of-interest based on visual attention. 2009 ,	
1799 Flexible learning of natural statistics in the human brain. 2009 , 102, 1854-67	20
1798 CASSIE: contextual analysis for spectral and spatial information extraction. 2009 ,	
1797 Saliency-Guided Lighting. 2009 , E92-D, 369-373	10
Visual memory for fixated regions of natural images dissociates attraction and recognition. 20 38, 1152-71	09 ,
1795 Extraction of salient regions of interest using visual attention models. 2009 ,	2
1794 A new efficient method for color image compression based on visual attention mechanism. 20	10, 1
1793 A review of salient region extraction. 2010 ,	
1792 Determination of optimal top-down gains for specific searching tasks. 2010 ,	1
An integration of top-down and bottom-up visual attention for categorization of natural scene images. 2010 ,	
An integration of top-down and bottom-up visual attention for categorization of natural scene	
An integration of top-down and bottom-up visual attention for categorization of natural scene images. 2010 ,	6
An integration of top-down and bottom-up visual attention for categorization of natural scene images. 2010 , Exploring the perceptual causes of search set-size effects in complex scenes. 2010 , 39, 780-94 Stereoscopic Visual Attention-Based Regional Bit Allocation Optimization for Multiview Video	6 8
An integration of top-down and bottom-up visual attention for categorization of natural scene images. 2010 , Exploring the perceptual causes of search set-size effects in complex scenes. 2010 , 39, 780-94 Stereoscopic Visual Attention-Based Regional Bit Allocation Optimization for Multiview Video Coding. 2010 , 2010,	6 8

(2010-2010)

1785	Salience is only briefly represented: evidence from probe-detection performance. 2010 , 36, 286-302	33
1784	Semantic categorization precedes affective evaluation of visual scenes. 2010 , 139, 222-46	35
1783	CRISP: a computational model of fixation durations in scene viewing. 2010 , 117, 382-405	163
1782	A body-related dot-probe task reveals distinct attentional patterns for bulimia nervosa and anorexia nervosa. 2010 , 119, 575-85	73
1781	Neurally constrained modeling of perceptual decision making. 2010, 117, 1113-43	251
1780	Interest of perceptive vision for document structure analysis. 2010,	2
1779	Eye movements in active visual search: a computable phenomenological model. 2010, 72, 285-307	10
1778	Masked singleton effects. 2010 , 72, 2069-86	11
1777	Event-related brain potentials and cognitive processes related to perceptual-motor information transmission. 2010 , 10, 316-27	9
1776	Event-related brain potentials and the efficiency of visual search for vertically and horizontally oriented stimuli. 2010 , 10, 523-40	2
1775	Top-down and bottom-up control of visual selection. 2010 , 135, 77-99	777
1774	Identifying a "default" visual search mode with operant conditioning. 2010 , 135, 38-49	16
1773	Top-down contingent attentional capture during feed-forward visual processing. 2010 , 135, 123-6; discussion 133-9	18
1772	The time course of exogenous and endogenous control of covert attention. 2010 , 201, 789-96	49
1771	From the neuromatrix to the pain matrix (and back). 2010 , 205, 1-12	384
1770	A framework for visual-context-aware object detection in still images. 2010 , 114, 700-711	20
1769	Perceptual-based quality assessment for audio⊠isual services: A survey. 2010 , 25, 482-501	78
1768	Driver's visual attention as a function of driving experience and visibility. Using a driving simulator to explore drivers' eye movements in day, night and rain driving. 2010 , 42, 827-34	236

1767	A nonlinear dynamics model for simulating long range correlations of cognitive bistability. 2010 , 103, 175-98	12
1766	Optimality in mono- and multisensory map formation. 2010 , 103, 1-20	4
1765	Feature integration and spatial attention: common processes for endogenous and exogenous orienting. 2010 , 74, 239-54	7
1764	Re-examining the contribution of visuospatial working memory to inhibition of return. 2010 , 74, 524-31	5
1763	On the mental representations originating during the interaction between language and vision. 2010 , 11, 295-305	24
1762	Die Blickregistrierung in der Werbewirkungsforschung: Grundlagen und Ergebnisse. 2010 , 49, 143-169	5
1761	Probabilistic Multi-Task Learning for Visual Saliency Estimation in Video. 2010 , 90, 150-165	95
1760	A Probabilistic Appearance Representation and Its Application to Surprise Detection in Cognitive Robots. 2010 , 2, 267-281	7
1759	Purely Automated Attacks on PassPoints-Style Graphical Passwords. 2010 , 5, 393-405	45
1758	. 2010 , 5, 781-801	27
1758 1757	. 2010 , 5, 781-801 Getting real-sensory processing of natural stimuli. 2010 , 20, 389-95	27
1757		,
1757	Getting real-sensory processing of natural stimuli. 2010 , 20, 389-95	23
1757 1756	Getting real-sensory processing of natural stimuli. 2010 , 20, 389-95 The electrophysiological correlate of saliency: evidence from a figure-detection task. 2010 , 1307, 89-102	23
1757 1756 1755	Getting real-sensory processing of natural stimuli. 2010 , 20, 389-95 The electrophysiological correlate of saliency: evidence from a figure-detection task. 2010 , 1307, 89-102 A perceptual approach for stereoscopic rendering optimization. 2010 , 34, 145-157	23
1757 1756 1755	Getting real-sensory processing of natural stimuli. 2010, 20, 389-95 The electrophysiological correlate of saliency: evidence from a figure-detection task. 2010, 1307, 89-102 A perceptual approach for stereoscopic rendering optimization. 2010, 34, 145-157 Change detection in desktop virtual environments: An eye-tracking study. 2010, 26, 1305-1313	23 22 8
1757 1756 1755 1754 1753	Getting real-sensory processing of natural stimuli. 2010, 20, 389-95 The electrophysiological correlate of saliency: evidence from a figure-detection task. 2010, 1307, 89-102 A perceptual approach for stereoscopic rendering optimization. 2010, 34, 145-157 Change detection in desktop virtual environments: An eye-tracking study. 2010, 26, 1305-1313 Searching for inhibition of return in visual search: a review. 2010, 50, 220-8	23 22 8 4 111

(2010-2010)

1749	Inter-trial and redundant-signals effects in visual search and discrimination tasks: separable pre-attentive and post-selective effects. 2010 , 50, 1382-95	30
1748	What and where: a Bayesian inference theory of attention. 2010 , 50, 2233-47	130
1747	Attentional capture by masked colour singletons. 2010 , 50, 2015-27	32
1746	A computational vector-map model of neonate saccades: modulating the externality effect through refraction periods. 2010 , 50, 2551-8	O
1745	A model for predicting pathologist's velocity profiles when navigating virtual slides. 2010 , 73, 85-98	2
1744	A software environment for a human-aware ambient agent supporting attention-demanding tasks. 2010 , 1, 2033-2042	1
1743	Recognition of attentive objects with a concept association network for image annotation. 2010 , 43, 3539-3547	8
1742	Consumer photo management and browsing facilitated by near-duplicate detection with feature filtering. 2010 , 21, 256-268	8
1741	Of bits and wows: A Bayesian theory of surprise with applications to attention. 2010 , 23, 649-66	166
1740	Using Human Visual System modeling for bio-inspired low level image processing. 2010 , 114, 758-773	61
1739	Style based automated graphic layouts. 2010 , 31, 3-25	12
1738	Object-based video coding with dynamic quality control. 2010 , 28, 285-297	1
1737	Online learning of task-driven object-based visual attention control. 2010 , 28, 1130-1145	46
1736	Stimulus-driven capture and contingent capture. 2010 , 1, 872-881	26
1735	Stimulus-driven competition in a cholinergic midbrain nucleus. 2010 , 13, 889-95	53
1734	Visual fixations and the computation and comparison of value in simple choice. 2010 , 13, 1292-8	707
1733	The neural mechanisms of visual selection: the view from neuropsychology. 2010 , 1191, 156-81	45
1732	Puzzle-like Collage. 2010 , 29, 459-468	46

1731	The time course of color- and luminance-based salience effects. 2010 , 1, 189	12
1730	Developmental Changes in Natural Viewing Behavior: Bottom-Up and Top-Down Differences between Children, Young Adults and Older Adults. 2010 , 1, 207	56
1729	Object-based attentional selection in scene viewing. 2010 , 10, 20	130
1728	Integrating Action and Language through Biased Competition. 2010 , 4, 9	2
1727	Salience from the decision perspective: You know where it is before you know it is there. 2010 , 10,	11
1726	Influence of low-level stimulus features, task dependent factors, and spatial biases on overt visual attention. 2010 , 6, e1000791	37
1725	A color hierarchy for automatic target selection. 2010 , 5, e9338	15
1724	The wide window of face detection. 2010 , 10, 21	38
1723	Saccadic repulsion in pop-out search: how a target's dodgy history can push the eyes away from it. 2010 , 10, 9	12
1722	Investigating task-dependent top-down effects on overt visual attention. 2010 , 10, 15.1-14	42
1721	Combining top-down processes to guide eye movements during real-world scene search. 2010 , 10, 4.1-11	113
1720	Predictive activity in macaque frontal eye field neurons during natural scene searching. 2010 , 103, 1238-52	44
1719	What do people look at when they watch stereoscopic movies?. 2010,	26
1718	Vision models for image quality assessment: one is not enough. 2010 , 19, 043004	7
1717	A Color Saliency Model for Salient Objects Detection in Natural Scenes. 2010 , 240-250	5
1717 1716	A Color Saliency Model for Salient Objects Detection in Natural Scenes. 2010 , 240-250 A VISUAL ATTENTION MODEL FOR NATURAL SCENES BASED ON DYNAMIC FEATURE COMBINATION. 2010 , 20, 1077-1095	5
	A VISUAL ATTENTION MODEL FOR NATURAL SCENES BASED ON DYNAMIC FEATURE	

1713 Surround suppression sharpens the priority map in the lateral intraparietal area. 2010 , 30, 12787-97	61
1712 Global inhibition and stimulus competition in the owl optic tectum. 2010 , 30, 1727-38	75
1711 Orientation saliency without visual cortex and target selection in archer fish. 2010 , 107, 16726-31	25
1710 Object Detection Based on Visual Selective Attention Mechanism. 2010 , 178, 350-354	
1709 Framework for optimal region of interestBased quality assessment in wireless imaging. 2010 , 19, 011005	18
Cognitively Inspired and Perceptually Salient Graphic Displays for Efficient Spatial Inference Making. 2010 , 100, 13-29	87
1707 A Content-Based Image Retrieval system using Visual Attention. 2010 ,	
1706 . 2010 ,	12
1705 A novel matting system using human selective attention. 2010 ,	
Bottom-up regions-of-interest in observation of robot hand movement: Comparisons with human experiments. 2010 ,	2
1703 Localization of Salient Objects in Scenes through Visual Attention. 2010 ,	5
1702 Visual attention based detection of signs of anthropogenic activities in satellite imagery. 2010 ,	3
Personalisation of Computational Models of Attention by Simulated Annealing Parameter Tuning. 2010 ,	
1700 The Study of ROI Detection Based on Visual Attention Mechanism. 2010 ,	4
1/30	
Robust classification of objects, faces, and flowers using natural image statistics. 2010 ,	103
	103
Robust classification of objects, faces, and flowers using natural image statistics. 2010 ,	,

1695 Improvement of salient-region detection using an integrated bottom-up model. 2010,

1694	Paired neuron recordings in the prefrontal and inferotemporal cortices reveal that spatial selection precedes object identification during visual search. 2010 , 107, 13105-10	31
1693	Learning-dependent plasticity with and without training in the human brain. 2010 , 107, 13503-8	28
1692	An Active Vision System for Detecting, Fixating and Manipulating Objects in the Real World. 2010 , 29, 133-154	67
1691	Where-What Network 3: Developmental top-down attention for multiple foregrounds and complex backgrounds. 2010 ,	11
1690	. 2010,	3
1689	Novel Quality Measures for Image Fusion Based on Structural Similarity and Visual Attention Mechanism. 2010 ,	
1688	Visual saliency computations: mechanisms, constraints, and the effect of feedback. 2010 , 30, 12831-43	56
1687	Saliency-based image processing for retinal prostheses. 2010 , 7, 16006	44
1686	Integration of goal- and stimulus-related visual signals revealed by damage to human parietal cortex. 2010 , 30, 5968-78	61
1685	An Evolutionary Feature-Based Visual Attention Model Applied to Face Recognition. 2010, 376-384	4
1684	Microstimulation of posterior parietal cortex biases the selection of eye movement goals during search. 2010 , 104, 3021-8	28
1683	A hierarchical computational model of visual attention using multi-layer analysis. 2010,	О
1682	A PARTIAL IMPLEMENTATION OF THE BICA COGNITIVE DECATHLON USING THE PSYCHOLOGY EXPERIMENT BUILDING LANGUAGE (PEBL). 2010 , 02, 273-288	14
1681	An empirical pipeline to derive gaze prediction heuristics for 3D action games. 2010 , 8, 1-30	15
1680	Face segmentation using combined bottom-up and top-down saliency maps. 2010 ,	
1679	Detecting objects and obstacles for visually impaired individuals using visual saliency. 2010 ,	1
1678	3D user-perspective, voxel-based estimation of visual focus of attention in dynamic meeting scenarios. 2010 ,	23

1677	A saliency map method with cortex-like mechanisms and sparse representation. 2010 ,	2
1676	Saliency distinguishing and applications to semantics extraction and retrieval of natural image. 2010 ,	1
1675	Integration of sensory and reward information during perceptual decision-making in lateral intraparietal cortex (LIP) of the macaque monkey. 2010 , 5, e9308	143
1674	Decomposing the neural mechanisms of visual search through model-based analysis of fMRI: top-down excitation, active ignoring and the use of saliency by the right TPJ. 2010 , 52, 934-46	22
1673	Content-Aware Video Seam Carving Based on Bag of Visual Cubes. 2010 ,	6
1672	The eye gaze direction of an observed person can bias perception, memory, and attention in adolescents with and without autism spectrum disorder. 2010 , 105, 20-37	34
1671	Increased effect of target eccentricity on covert shifts of visual attention in patients with neglect. 2010 , 46, 68-76	11
1670	Low frequency oscillations in rat posterior parietal cortex are differentially activated by cues and distractors. 2010 , 94, 191-8	7
1669	Visual stability based on remapping of attention pointers. 2010 , 14, 147-53	269
1668	Attention as a decision in information space. 2010 , 14, 240-8	93
1667	Neurally inspired rapid detection of sparse objects in videos. 2010,	0
1666	Attention modeling for video quality assessment: Balancing global quality and local quality. 2010,	15
1665	Perceptually-Friendly H.264/AVC Video Coding Based on Foveated Just-Noticeable-Distortion Model. 2010 , 20, 806-819	139
1664	. 2010,	31
1663	The improbability of harris interest points. 2010 , 32, 1141-7	24
1662	Narrative visualization: telling stories with data. 2010 , 16, 1139-48	468
1661	Computational visual attention systems and their cognitive foundations. 2010 , 7, 1-39	235
1660	A Hierarchical Salient-Region Based Algorithm for Ship Detection in Remote Sensing Images. 2010 , 729-738	11

Capturing the dynamics of attention control from individual to distributed systems: the shape of models to come. 2010 , 11, 7-28	25
1658 Intelligent Interactive Multimedia Systems and Services. 2010 ,	2
1657 Hybrid Artificial Intelligence Systems. 2010 ,	1
1656 Motion tuned spatio-temporal quality assessment of natural videos. 2010 , 19, 335-50	463
1655 Context-aware saliency detection. 2010 ,	454
1654 Symbiotic Multi-Robot Organisms. 2010 ,	37
1653 Computer Vision DACCV 2009. 2010 ,	2
1652 Improving image quality assessment with modeling visual attention. 2010 ,	6
1651 On the influence of sensor morphology on eye motion coordination. 2010 ,	2
1650 A New Biologically Inspired Feature for Scene Image Classification. 2010 ,	2
1649 Color to Gray: Attention Preservation. 2010 ,	2
1648 . 2010,	9
1647 Video natural texture synthesis based on NPR. 2010 ,	
1646 Learning from Observing: Vision and POIROT - Using Metareasoning for Self Adaptation. 2010 ,	
1645 Registration of Images With Outliers Using Joint Saliency Map. 2010 , 17, 91-94	15
1644 Terrain rendering based on virtual attention. 2010 ,	
Cost-Sensitive Rank Learning From Positive and Unlabeled Data for Visual Saliency Estimation. 2010 , 17, 591-594	13
1642 Method for video incident detection based on biological visual Mechanism. 2010 ,	

1641 . 2010 ,	16
1640 . 2010 ,	
Population response profiles in early visual cortex are biased in favor of more valuable 2010 , 104, 76-87	stimuli. 77
1638 Spaces or Scenes: Map-based Orientation in Urban Environments. 2010 , 10, 135-156	19
Online learning for attention, recognition, and tracking by a single developmental fram	nework. 2010
1636 Fixation count prediction for textural scenes. 2010 ,	
1635 Learning-Focused Structuring for Blackboard Lecture Videos. 2010 ,	2
1634 Consciousness-driven model for visual attention. 2011 ,	1
1633 Development of joint attention and social referencing. 2011 ,	8
1632 Saliency Detection Using Region-Based Incremental Center-Surround Distance. 2011 ,	5
1631 Bootstrapping word learning: A perception driven semantics-first approach. 2011 ,	1
1630 3DTV-Oriented Multiview Video Coding Based on Stereoscopic Visual ROI. 2011 ,	
1629 Surprise-driven acquisition of visual object representations for cognitive mobile robots	s. 2011 , 2
$_{1628}$ Information theoretic preattentive saliency: A closed-form solution. 2011 ,	
An assisted photography method for street scenes. 2011 ,	9
1626 A model of visual attention for locating region of interest in large background. 2011 ,	
1625 Rule of Thirds Detection from Photograph. 2011 ,	20
1624 Enhancing visual working memory encoding: The role of target novelty. 2011 , 19, 863-8	385 17

1623	Making a robotic scene representation accessible to feature and label queries. 2011,	6
1622	Embedded neuromorphic vision for humanoid robots. 2011 ,	27
1621	Lane Detection Based on Visual Attention. 2011 ,	0
1620	Extracting salient lines by Visual Attention for omnidirectional image classification. 2011,	
1619	A biologically-inspired robotic vision system for tracking fast moving objects. 2011 ,	
1618	An Information-Based Perception Model for Agent-Based Crowd and Egress Simulation. 2011,	1
1617	A Novel Visual Saliency Model for Surveillance Video Compression. 2011 ,	2
1616	Modelling the face-to-face effect: Sensory population dynamics and active vision can contribute to perception of social context. 2011 ,	
1615	Behavior and neural basis of near-optimal visual search. 2011 , 14, 783-90	80
1614	A neuromorphic saliency-map based active vision system. 2011 ,	6
1613	Robot ego-sphere: An approach for saliency detection and attention manipulation in humanoid robots for intuitive interaction. 2011 ,	2
1612	Vishnoo [An open-source software for vision research. 2011 ,	8
1611	Advances in Computational Intelligence. 2011,	Ο
1610	Spatial Information Theory. 2011 ,	1
1609	A multisensory investigation of the functional significance of the "pain matrix". 2011 , 54, 2237-49	366
1608	. 2011 , 13, 1269-1285	18
1607	. 2011 , 21, 1890-1902	32
1606	Principles of sensorimotor learning. <i>Nature Reviews Neuroscience</i> , 2011 , 12, 739-51 13.5	863

1605 Machine Learning for Vision-Based Motion Analysis. 2011 ,	10
1604 Computer Vision Systems. 2011 ,	1
1603 Intelligent Information and Database Systems. 2011 ,	
1602 Search Dynamics in Consumer Choice under Time Pressure: An Eye-Tracking Study. 2011 , 101, 900-926	283
1601 High level describable attributes for predicting aesthetics and interestingness. 2011 ,	247
A Method Integrating Human Visual Attention and Consciousness of Radar and Vision Fusion for Autonomous Vehicle Navigation. 2011 ,	8
The time course of similarity effects in visual search. 2011 , 37, 1667-88	13
1598 A Roadmap for Cognitive Development in Humanoid Robots. 2011 ,	31
Integrating millimeter wave radar with a monocular vision sensor for on-road obstacle detection applications. 2011 , 11, 8992-9008	60
1596 Multi-Task Rank Learning for Visual Saliency Estimation. 2011 , 21, 623-636	21
The functional connectivity between amygdala and extrastriate visual cortex activity during emotional picture processing depends on stimulus novelty. 2011 , 86, 203-9	38
1594 A hypothesis of local intrinsic cortical signal processing. 2011 , 76, 665-7	
Representing multiple objects as an ensemble enhances visual cognition. 2011 , 15, 122-31	323
1592 Mechanisms of top-down attention. 2011 , 34, 210-24	280
1591 The pain matrix reloaded: a salience detection system for the body. 2011 , 93, 111-24	561
The altered cortical connectivity during spatial search for facial expressions in major depressive disorder. 2011 , 35, 1891-900	8
1589 Feature-based attention in the frontal eye field and area V4 during visual search. 2011 , 70, 1205-17	155
Synchronization and redundancy: implications for robustness of neural learning and decision making. 2011 , 23, 2915-41	8

1587	. 2011,	4
1586	Learning to detect a salient object. 2011 , 33, 353-67	1009
1585	An ambient agent model for monitoring and analysing dynamics of complex human behaviour. 2011 , 3, 283-303	20
1584	The eye dominates in guiding attention during simultaneous eye and hand movements. 2011 , 11, 9	42
1583	Robust Face Detection Based on Knowledge-Directed Specification of Bottom-Up Saliency. 2011 , 33, 600-610	11
1582	Looking back at Waldo: oculomotor inhibition of return does not prevent return fixations. 2011 , 11, 3	39
1581	Feature-based attention promotes biological motion recognition. 2011 , 11, 11	8
1580	What are the Visual Features Underlying Rapid Object Recognition?. 2011 , 2, 326	35
1579	Layer-Dependent Attentional Processing by Top-down Signals in a Visual Cortical Microcircuit Model. 2011 , 5, 31	24
1578	Experiencing art: the influence of expertise and painting abstraction level. 2011 , 5, 94	68
1577	Food catches the eye but not for everyone: a BMI-contingent attentional bias in rapid detection of nutriments. 2011 , 6, e19215	63
1576	Transcranial magnetic stimulation reveals attentional feedback to area V1 during serial visual search. 2011 , 6, e19712	13
1575	Distribution of attention modulates salience signals in early visual cortex. 2011 , 6, e20379	3
1574	Visual exploration and object recognition by lattice deformation. 2011 , 6, e22831	17
1573	Oculomotor evidence for top-down control following the initial saccade. 2011 , 6, e23552	20
1572	Saliency changes appearance. 2011 , 6, e28292	8
1571	Searching and fixating: Scale-invariance vs. characteristic timescales in attentional processes. 2011 , 94, 68001	4
1570	Orientation strategies in natural orifice translumenal endoscopic surgery. 2011 , 254, 257-66	9

	e is transiently represented whereas object presence is not: evidence from temporal nt. 2011 , 40, 63-73	22
1568 Using Salience	to Guide Searches in Digital Displays. 2011 , 55, 380-384	
	ap between physiology and behavior: evidence from the sSoTS model of human n. 2011 , 118, 3-41	19
Differences in 2011 , 17, 233-4	attentional strategies by novice and experienced operating theatre scrub nurses. 46	39
1565 Incorporating 9	Saliency Map into Prediction of Drivers' Eye Fixations on Traffic Signs. 2011 ,	
1564 Evolution of at	tention mechanisms for early visual processing. 2011 ,	
	nisms of saccade target selection: gated accumulator model of the visual-motor 33, 1991-2002	70
1562 Split of spatial	attention as predicted by a systems-level model of visual attention. 2011 , 33, 2035-45	25
1561 Saccade, searc	h and orientthe neural control of saccadic eye movements. 2011 , 33, 1945-7	10
1560 Scan patterns v	when viewing natural scenes: emotion, complexity, and repetition. 2011 , 48, 1544-1553	50
1559 The neural bas	is of visual attention. 2011 , 589, 49-57	118
	pectrum disorders: gene-environment interactions, predictive biomarkers, and the etween structural alterations in the brain and functional outcomes. 2011 , 18, 49-55	45
Common neura 2011, 49, 1428	al mechanisms supporting spatial working memory, attention and motor intention. 3-34	146
1556 eMorph: Towa	rds Neuromorphic Robotic Vision. 2011 , 7, 163-165	4
1555 Visual Attentic	on for Robotic Cognition: A Survey. 2011 , 3, 92-105	45
1554 Saliency Inspire	ed Full-Reference Quality Metrics for Packet-Loss-Impaired Video. 2011 , 57, 81-88	18
1553 Face recognition	on by exploring information jointly in space, scale and orientation. 2011 , 20, 247-56	114
1552 Salient motion	features for video quality assessment. 2011 , 20, 948-58	54

1551	Saliency and gist features for target detection in satellite images. 2011 , 20, 2017-29	130
1550	Eye movements: the past 25 years. 2011 , 51, 1457-83	362
1549	Visual cognition. 2011 , 51, 1538-51	84
1548	Looking at Breakout: urgency and predictability direct eye events. 2011 , 51, 1262-72	4
1547	No control in orientation search: the effects of instruction on oculomotor selection in visual search. 2011 , 51, 2156-66	10
1546	The neural basis for shape preferences. 2011 , 51, 2198-206	27
1545	A supervised visual model for finding regions of interest in basal cell carcinoma images. 2011 , 6, 26	16
1544	Learning regions of interest from low level maps in virtual microscopy. 2011 , 6 Suppl 1, S22	16
1543	Sparse correlation coefficient for objective image quality assessment. 2011 , 26, 577-588	8
1542	Decoding successive computational stages of saliency processing. 2011 , 21, 1667-71	67
1541	Multiple-cue saliency measurement and optimized image composition for image retargeting. 2011 , 236, 704-713	1
1540	Range image analysis for controlling an adaptive 3D camera. 2011 ,	
1539	Predicting the presuppositions of soft triggers. 2011 , 34, 491-535	70
1538	The initial stage of visual selection is controlled by top-down task set: new ERP evidence. 2011 , 73, 113-22	33
1537	Dimension intertrial and cueing effects in localization: support for pre-attentively weighted one-route models of saliency. 2011 , 73, 349-63	11
1536	On the control of visual fixation durations in free viewing of complex images. 2011 , 73, 1120-32	35
1535	Visual search for arbitrary objects in real scenes. 2011 , 73, 1650-71	96
1534	Does oculomotor inhibition of return influence fixation probability during scene search?. 2011 , 73, 2384-98	34

1533	Incremental grouping of image elements in vision. 2011 , 73, 2542-72	60
1532	Seeing while acting: hand movements can modulate attentional capture by motion onset. 2011 , 73, 2448-56	9
1531	Action-effect associations revealed by eye movements. 2011 , 18, 531-7	38
1530	On the temporal dynamics of language-mediated vision and vision-mediated language. 2011 , 137, 181-9	23
1529	Interaction between stimulus-driven orienting and top-down modulation in attentional capture. 2011 , 138, 52-9	8
1528	A computational model for human eye-movements in military simulations. 2011 , 17, 229-250	5
1527	Automatic prediction of perceptual quality of multimedia signals survey. 2011, 51, 163-186	31
1526	Context modeling in computer vision: techniques, implications, and applications. 2011 , 51, 303-339	19
1525	Effective multimedia surveillance using a human-centric approach. 2011, 51, 697-721	21
1524	A pilot study on using eye tracking to understand assessment of surgical outcomes from clinical photography. 2011 , 24, 778-86	9
1523	From optics to attention: visual perception in barn owls. 2011 , 197, 1031-42	20
1522	Attention control with reinforcement learning for face recognition under partial occlusion. 2011 , 22, 337-348	10
1521	Spatially uninformative sounds increase sensitivity for visual motion change. 2011 , 213, 457-64	12
1520	An agent system for advertisement inclusion using human-based computation. 2011 , 69, 679-692	3
1519	Salience in Paintings: Bottom-Up Influences on Eye Fixations. 2011 , 3, 25-36	24
1518	If Visual Saliency Predicts Search, Then Why? Evidence from Normal and Gaze-Contingent Search Tasks in Natural Scenes. 2011 , 3, 48-63	18
1517	Clustering of Gaze During Dynamic Scene Viewing is Predicted by Motion. 2011 , 3, 5-24	241
1516	A Dynamic Neural Field Approach to the Covert and Overt Deployment of Spatial Attention. 2011 , 3, 279-293	19

1515	A Novel Framework for the Analysis of Eye Movements during Visual Search for Knowledge Gathering. 2011 , 3, 206-222	9
1514	Predicting Eye Fixations on Complex Visual Stimuli Using Local Symmetry. 2011 , 3, 223-240	77
1513	Biased Competition in Visual Processing Hierarchies: A Learning Approach Using Multiple Cues. 2011 , 3, 146-166	9
1512	Bottom-up attention: pulsed PCA transform and pulsed cosine transform. 2011 , 5, 321-32	12
1511	Swarm cognition on off-road autonomous robots. 2011 , 5, 45-72	7
1510	Vision in the natural world. 2011 , 2, 158-166	30
1509	Visual attention. 2011 , 2, 503-514	20
1508	Selecting salient objects in real scenes: an oscillatory correlation model. 2011 , 24, 54-64	22
1507	A model study on the circuit mechanism underlying decision-making in Drosophila. 2011 , 24, 333-44	12
1506	Hebbian-based neural networks for bottom-up visual attention and its applications to ship detection in SAR images. 2011 , 74, 2008-2017	29
1505	Modeling eye movements in visual agnosia with a saliency map approach: bottom-up guidance or top-down strategy?. 2011 , 24, 665-77	6
1504	Image retrieval based on micro-structure descriptor. 2011 , 44, 2123-2133	244
1503	Enhancing art history education through mobile augmented reality. 2011 ,	8
1502	Facilitating photographic documentation of accessibility in street scenes. 2011,	2
1501	Lesion of primary visual cortex in monkey impairs the inhibitory but not the facilitatory cueing effect on saccade. 2011 , 23, 1160-9	16
1500	Visual saliency based on natural scene statistics. 2011 ,	
1499	A Novel Method for Detecting Encroachments on Transmission Lines Based on Visual Attention. 2011 ,	
1498	Induced gamma activity in EEG represents cognitive control during detecting emotional expressions. 2011 , 2011, 1717-20	5

(2011-2011)

1497 . 2011,

1496 A Hybrid Visual Attention Method Based on Itti Model. 2011 ,	1
1495 Visual attention using spiking neural maps. 2011 ,	6
Evaluation of engineering camouflage effectiveness based on human visual attention mechanisms. 2011,	3
1493 Image retrieve using visual attention weight model. 2011 ,	
1492 An Effective Image Retrieval Technique Based on Color Perception. 2011 ,	4
1491 Visual attention tuned spatio-velocity contrast sensitivity for video quality assessment. 2011 ,	3
1490 Engineering Psychology and Cognitive Ergonomics. 2011 ,	1
1489 Visual Conspicuity Index: Spatial Dissimilarity, Distance, and Central Bias. 2011 , 18, 690-693	7
From co-saliency to co-segmentation: An efficient and fully unsupervised energy minimization model. 2011 ,	121
1487 A motion based real-time foveation control loop for rapid and relevant 3D laser scanning. 2011 ,	2
The insistence of vision: Why do people look at a salient stimulus when it signals target absence?. 2011 , 19, 1122-1157	1
1485 An Attention Target Detection Method Based on Dynamic Saliency Map. 2011 , 308-310, 574-578	
1484 Improved saliency toolbox/Itti model for region of interest extraction. 2011 , 50, 097202	3
1483 Interestingness of stereoscopic images. 2011 ,	2
1482 Adjacent visual representations of self-motion in different reference frames. 2011 , 108, 11668-73	23
$_{1481}$ Signaling of the strongest stimulus in the owl optic tectum. 2011 , 31, 5186-96	59
1480 Value-driven attentional capture. 2011 , 108, 10367-71	670

Rules of competitive stimulus selection in a cholinergic isthmic nucleus of the owl midbrain. 2011 , 31, 6088-97	25
When categories collide: accumulation of information about multiple categories in rapid scene perception. 2011 , 22, 739-46	30
1477 An Attention-Based Image Retrieval System. 2011 ,	0
1476 A pure salience response in posterior parietal cortex. 2011 , 21, 2498-506	65
1475 Multiscale saliency using natural statistics. 2011 ,	
Notice of Retraction: Research and simulation of hybrid processing model based on scenes perceptual features. 2011 ,	
Classification of change detection and change blindness from near-infrared spectroscopy signals. 2011 , 16, 087001	7
1472 Flexible categorization of relative stimulus strength by the optic tectum. 2011 , 31, 7745-52	32
1471 Feature-specific attentional priority signals in human cortex. 2011 , 31, 4484-95	83
Pop-out without awareness: unseen feature singletons capture attention only when top-down attention is available. 2011 , 22, 1220-6	69
1469 Visually guided pointing movements are driven by the salience map. 2011 , 11,	13
1468 Not all information is created equal. 2011 , 2, 120-1	2
1467 Eye movements and perception: a selective review. 2011 , 11,	184
A salient information processing system for bionic eye with application to obstacle avoidance. 2011 , 2011, 5116-9	8
$_{1465}$ Visual attention based model for target detection in large-field images. 2011 , 22, 150-156	9
$_{1464}$ An Approach for Target Detection and Extraction Based on Biological Vision. 2011 , 17, 909-921	4
1463 Attentive motion sensor for mobile robotic applications. 2011 ,	3
1462 Fusing generic objectness and visual saliency for salient object detection. 2011 ,	29

14	1 61	A SOFTWARE ENVIRONMENT FOR AN ADAPTIVE HUMAN-AWARE SOFTWARE AGENT SUPPORTING ATTENTION-DEMANDING TASKS. 2011 , 20, 819-846	7
14	1 60	Recurrent antitopographic inhibition mediates competitive stimulus selection in an attention network. 2011 , 105, 793-805	19
14	159	Distractibility in daily life is reflected in the structure and function of human parietal cortex. 2011 , 31, 6620-6	72
14	1 58	Independent dimension-weighting mechanisms for visual selection and stimulus identification. 2011 , 37, 1369-82	14
14	157	Deciding where to attend: priming of pop-out drives target selection. 2011 , 37, 1700-7	50
14	1 56	Influence of a psychological perspective on scene viewing and memory for scenes. 2011 , 64, 1372-87	14
14	155	A unique role of endogenous visual-spatial attention in rapid processing of multiple targets. 2011 , 37, 1065-73	7
14	154	GPU Implementation of a Bio-inspired Vision Model. 2011 , 417-424	
14	153	Image Reduction Method for Rice Leaf Disease Based on Visual Attention Model. 2012 , 220-223, 1393-1397	
14	1 52	The Influence of Attention, Learning, and Motivation on Visual Search. 2012 ,	3
14	1 51	User Modeling, Adaptation, and Personalization. 2012,	2
14	1 50	On performance of image quality metrics enhanced with visual attention computational models. 2012 , 48, 631	26
14	149	Linguistically guided anticipatory eye movements in scene viewing. 2012 , 20, 922-946	16
14	148	Implicit sequence learning based on instructed task set. 2012 , 38, 1389-407	20
14	147	Goal-driven and bottom-up gaze in an active real-world search task. 2012,	7
14	146	Attentional capture? Synchronized feedback signals from the isthmi boost retinal signals to higher visual areas. 2012 , 32, 1110-22	45
14	145	Mouse tracking. 2012,	40
14	144	Directing gaze in narrative art. 2012 ,	14

1443 Active inhibition and memory promote exploration and search of natural scenes. 2012	2 , 12, 30
1442 The attraction of visual attention to texts in real-world scenes. 2012 , 12,	25
1441 Data-driven approach to dynamic visual attention modelling. 2012 ,	_
1440 ImageSense. 2012 , 8, 1-18	22
1439 Inferring artistic intention in comic art through viewer gaze. 2012 ,	13
1438 Assessment of computational visual attention models on medical images. 2012 ,	12
1437 Evolving a conspicuous point detector based on an artificial dorsal stream. 2012 ,	2
1436 Effect of visual attention areas on the objective video quality assessment. 2012 ,	1
1435 Helping visually impaired users properly aim a camera. 2012 ,	44
Neuronal correlates of multiple top-down signals during covert tracking of moving obmacaque prefrontal cortex. 2012 , 24, 2043-56	ojects in
1433 Computational model for salient object detection with anisotropy. 2012 , 51, 1742-8	2
1432 . 2012 ,	O
1431 A color grouping method for detection of object regions based on local saliency. 2012	2,
1430 Saliency detection via statistical non-redundancy. 2012 ,	7
1429 Robust object finding vision system based on saliency map analysis. 2012 ,	1
$_{1428}$ Video quality metric based on fixation prediction and foveal imaging. 2012 ,	
Averaging saccades are repelled by prior uninformative cues at both short and long in 20, 825-847	ntervals. 2012 ,
1426 A biological inspired features based saliency map. 2012 ,	2

1425	Rapid serial visual presentation: An approach to design. 2012 , 11, 301-318	2
1424	TAM: Explaining off-object fixations and central fixation tendencies as effects of population averaging during search. 2012 , 20, 515-545	47
1423	. 2012,	1
1422	Predicting user attention in complex web pages. 2012 , 31, 679-695	19
1421	. 2012,	7
1420	Bottom-up visual attention model based on FPGA. 2012 ,	1
1419	Feature selection using visual saliency for content-based image retrieval. 2012,	7
1418	Modeling the influence of action on spatial attention in visual interactive environments. 2012,	2
1417	Increasing the security of gaze-based cued-recall graphical passwords using saliency masks. 2012,	56
1416	Dynamic integration of information about salience and value for saccadic eye movements. 2012 , 109, 7547-52	68
1415	Efficient "pop-out" visual search elicits sustained broadband (activity in the dorsal attention network. 2012 , 32, 3414-21	43
1414	From salience to saccades: multiple-alternative gated stochastic accumulator model of visual search. 2012 , 32, 3433-46	122
1413	Computational modeling of collicular integration of perceptual responses and attention in microsaccades. 2012 , 32, 8035-9	46
1412	How the speed of motor-response decisions, but not focal-attentional selection, differs as a function of task set and target prevalence. 2012 , 109, E1990-9	84
1411	Behavioral dynamics and neural grounding of a dynamic field theory of multi-object tracking. 2012 , 11, 339-62	10
1410	Supplementary eye field during visual search: salience, cognitive control, and performance monitoring. 2012 , 32, 10273-85	36
1409	Prioritized maps of space in human frontoparietal cortex. 2012 , 32, 17382-90	142
1408	Grey and white matter abnormalities in chronic obstructive pulmonary disease: a case-control study. 2012 , 2, e000844	39

1407	A visual attention model for dynamic scenes based on motion features. 2012 ,	О
1406	. 2012,	4
1405	The Relevance of the Time Domain to Neural Network Models. 2012,	
1404	Top-down dimensional weight set determines the capture of visual attention: evidence from the PCN component. 2012 , 22, 1554-63	84
1403	Is saccade averaging determined by visual processing or movement planning?. 2012 , 108, 3161-71	17
1402	Low conspicuity of motorcycles for car drivers: dominant role of bottom-up control of visual attention or deficit of top-down control?. 2012 , 54, 14-25	16
1401	Modeling peripheral vision for moving target search and detection. 2012 , 83, 585-93	4
1400	Response variability of frontal eye field neurons modulates with sensory input and saccade preparation but not visual search salience. 2012 , 108, 2737-50	33
1399	Perceptions as hypotheses: saccades as experiments. 2012 , 3, 151	215
1398	Visual cognition during real social interaction. 2012 , 6, 196	29
1398	Visual cognition during real social interaction. 2012 , 6, 196 Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012 , 9, 233	29
1397		
1397	Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012 , 9, 233	2
1397 1396	Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012 , 9, 233 Distinct processing for pictures of animals and objects: evidence from eye movements. 2012 , 12, 540-51 Face and eye scanning in gorillas (Gorilla gorilla), orangutans (Pongo abelii), and humans (Homo	2 22
1397 1396 1395	Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012 , 9, 233 Distinct processing for pictures of animals and objects: evidence from eye movements. 2012 , 12, 540-51 Face and eye scanning in gorillas (Gorilla gorilla), orangutans (Pongo abelii), and humans (Homo sapiens): unique eye-viewing patterns in humans among hominids. 2012 , 126, 388-98 A Visual Search Inspired Computational Model for Ship Detection in Optical Satellite Images. 2012 ,	2 22 34
1397 1396 1395	Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012, 9, 233 Distinct processing for pictures of animals and objects: evidence from eye movements. 2012, 12, 540-51 Face and eye scanning in gorillas (Gorilla gorilla), orangutans (Pongo abelii), and humans (Homo sapiens): unique eye-viewing patterns in humans among hominids. 2012, 126, 388-98 A Visual Search Inspired Computational Model for Ship Detection in Optical Satellite Images. 2012, 9, 749-753	2 22 34 85
1397 1396 1395 1394	Comparison of Smart Visual Attention Mechanisms for Humanoid Robots. 2012, 9, 233 Distinct processing for pictures of animals and objects: evidence from eye movements. 2012, 12, 540-51 Face and eye scanning in gorillas (Gorilla gorilla), orangutans (Pongo abelii), and humans (Homo sapiens): unique eye-viewing patterns in humans among hominids. 2012, 126, 388-98 A Visual Search Inspired Computational Model for Ship Detection in Optical Satellite Images. 2012, 9, 749-753 Attention and visual memory in visualization and computer graphics. 2012, 18, 1170-88 Improving Photo Composition Elegantly: Considering Image Similarity During Composition	2 22 34 85 164

1389 T	op-down versus bottom-up attentional control: a failed theoretical dichotomy. 2012 , 16, 437-43	865
1388 L	ow memory visual saliency architecture for data reduction in wireless sensor networks. 2012 , 2, 115	10
	ooking in the Same Manner but Seeing it Differently: Bottom-up and Expertise Effects in adiology. 2012 , 26, 854-862	31
1386 N	lovelty detection in wildlife scenes through semantic context modelling. 2012, 45, 3439-3450	20
1385 B	imodal Based Environmental Awareness System for Visually Impaired People. 2012 , 38, 1132-1137	4
	npact of dynamic bottom-up features and top-down control on the visual exploration of moving eal-world scenes in hemispatial neglect. 2012 , 50, 2415-25	27
1383 S	accade-confounded image statistics explain visual crowding. 2012 , 15, 463-9, S1-2	85
1282	What are we looking for: Towards statistical modeling of saccadic eye movements and visual aliency. 2012 ,	2
1381 R	eward grabs the eye: oculomotor capture by rewarding stimuli. 2012 , 74, 80-5	162
1380 M	1edida de similitud basada en saliencia. 2012 , 9, 359-370	1
1379 P	erceptual 3D rendering based on principles of analytical cubism. 2012 , 36, 991-1004	4
1378 N	Ion-local spatial redundancy reduction for bottom-up saliency estimation. 2012 , 23, 1158-1166	21
1377 N	leural correlates of object-based attentional selection in human cortex. 2012 , 50, 2916-2925	22
1376 U	Inmasking the contribution of low-level features to the guidance of attention. 2012 , 50, 3478-87	19
1375 A	GIS data model for landmark-based pedestrian navigation. 2012 , 26, 817-838	33
1374 H	low different kinds of sound in videos can influence gaze. 2012 ,	1
1373 V	isual attention based model for target detection in high resolution remote sensing images. 2012,	
1372 A	n Object-Based Visual Selection Model with Bottom-Up and Top-Down Modulations. 2012 ,	4

1371	A saliency-based sampling method for image matting. 2012 ,	3
1370	Embodied Computing: Self-adaptation in Bio-inspired Reconfigurable Architectures. 2012,	3
1369	Video Gaze Prediction: Minimizing Perceptual Information Loss. 2012,	3
1368	. 2012,	11
1367	A top-down attention model based on the semi-supervised learning. 2012,	1
1366	Visual attention guided images abstraction using sparse coding. 2012,	
1365	Reinforcement learning based visual attention with application to face detection. 2012,	7
1364	Managing critical events: Designing an attention allocation system. 2012 ,	O
1363	Spatio-temporal ssim index for video quality assessment. 2012 ,	5
1362	How Visibility and Divided Attention Constrain Social Contagion. 2012,	80
1361	Evaluating the distraction potential of connected vehicles. 2012,	4
1360	The contribution of stimulus-driven and goal-driven mechanisms to feature-based selection in patients with spatial attention deficits. 2012 , 29, 249-74	7
1359	Model of top-down / bottom-up visual attention for location of salient objects in specific domains. 2012 ,	4
1358	Beyond spatial pyramids: Receptive field learning for pooled image features. 2012 ,	8
1357	Spatial Cognition VIII. 2012 ,	2
1356	Neural activities in v1 create a bottom-up saliency map. 2012 , 73, 183-92	120
1355	Reciprocal inhibition of inhibition: a circuit motif for flexible categorization in stimulus selection. 2012 , 73, 193-205	51
1354	The role of attention in figure-ground segregation in areas V1 and V4 of the visual cortex. 2012 , 75, 143-56	154

1353	Psychophysical and neural evidence for emotion-enhanced perceptual vividness. 2012 , 32, 11201-12	98
1352	Early involvement of prefrontal cortex in visual bottom-up attention. 2012 , 15, 1160-6	85
1351	. 2012,	5
1350	The contribution of context information: A case study of object recognition in an intelligent car. 2012 , 94, 77-86	6
1349	Relative visual saliency differences induce sizable bias in consumer choice. 2012 , 22, 67-74	176
1348	Lesion of the isthmo-optic nucleus impairs target selection for visually guided reaching. 2012 , 233, 359-66	5
1347	Embodied inference and spatial cognition. 2012 , 13 Suppl 1, S171-7	23
1346	Oculomotor inhibition of return: how soon is it "recoded" into spatiotopic coordinates?. 2012 , 74, 1145-53	24
1345	Eye and hand movements during reconstruction of spatial memory. 2012 , 41, 803-18	5
1344	Leveraging stereopsis for saliency analysis. 2012 ,	7
1343	Spatial probability cuing and right hemisphere damage. 2012 , 80, 352-60	18
1342	Residual attention guidance in blindsight monkeys watching complex natural scenes. 2012 , 22, 1429-34	45
1341	The attentional requirements of consciousness. 2012 , 16, 411-7	201
1340	The Research of Bottom-Up and Top-Down Combination Visual Attention Calculative Method. 2012 , 29, 3520-3524	
1339	References. 2012 , 341-362	
1338	Saliency detection and model-based tracking: a two part vision system for small robot navigation in forested environment. 2012 ,	10
1337	Novel Spatio-Temporal Structural Information Based Video Quality Metric. 2012 , 22, 989-998	29
1336	Neurally Inspired Models of Psychological Processes. 2012,	

Visual saliency based mobile images categorization using sparse representation on cloud computing. **2012**,

1334 A computational coding model for saliency detection in primary visual cortex. 2012 , 57, 3943-3952	3
1333 Gaze behaviour during space perception and spatial decision making. 2012 , 76, 713-29	87
1332 Biomimetic and Biohybrid Systems. 2012 ,	4
The frontoparietal attention network of the human brain: action, saliency, and a priority map of the environment. 2012 , 18, 502-15	377
1330 Context-aware saliency detection. 2012 , 34, 1915-26	1005
Visual Attention Accelerated Vehicle Detection in Low-Altitude Airborne Video of Urban Environment. 2012 , 22, 366-378	11
1328 Neural Information Processing. 2012 ,	
1327 Adaptive object tracking by learning background context. 2012 ,	76
1326 Identity negative priming: a phenomenon of perception, recognition or selection?. 2012 , 7, e32946	7
Properties of V1 neurons tuned to conjunctions of visual features: application of the V1 saliency hypothesis to visual search behavior. 2012 , 7, e36223	10
A neuromorphic architecture for object recognition and motion anticipation using burst-STDP. 2012, 7, e36958	17
Contrast dependence of smooth pursuit eye movements following a saccade to superimposed targets. 2012 , 7, e37888	5
Visual recognition of age class and preference for infantile features: implications for species-specific vs universal cognitive traits in primates. 2012 , 7, e38387	10
Looking to score: the dissociation of goal influence on eye movement and meta-attentional allocation in a complex dynamic natural scene. 2012 , 7, e39060	12
Spatial attention is attracted in a sustained fashion toward singular points in the optic flow. 2012 , 7, e41040	10
1319 Neural correlates of individual performance differences in resolving perceptual conflict. 2012 , 7, e42	849 10
1318 Dissociable spatial and temporal effects of inhibition of return. 2012 , 7, e44290	5

1317	Quantitative linking hypotheses for infant eye movements. 2012 , 7, e47419	3
1316	On the neural mechanisms subserving consciousness and attention. 2011 , 2, 397	67
1315	Rethinking the role of top-down attention in vision: effects attributable to a lossy representation in peripheral vision. 2012 , 3, 13	66
1314	Color improves speed of processing but not perception in a motion illusion. 2012 , 3, 92	5
1313	Effects of peripheral visual field loss on eye movements during visual search. 2012 , 3, 472	27
1312	Unconscious Cueing via the Superior Colliculi: Evidence from Searching for Onset and Color Targets. 2012 , 2, 33-60	7
1311	What is value-accumulated reward or evidence?. 2012 , 6, 11	32
1310	Divisive normalization and neuronal oscillations in a single hierarchical framework of selective visual attention. 2012 , 6, 22	13
1309	Attention in a bayesian framework. 2012 , 6, 100	33
1308	Is a 4-bit synaptic weight resolution enough? - constraints on enabling spike-timing dependent plasticity in neuromorphic hardware. 2012 , 6, 90	65
1307	Unique and shared roles of the posterior parietal and dorsolateral prefrontal cortex in cognitive functions. 2012 , 6, 17	54
1306	A system to support attention allocation: Development and application. 2012 , 10, 1-17	2
1305	Human Attention Modelization and Data Reduction. 2012,	3
1304	Microcalcification Detection in Digitized Mammograms: A Neurobiologically-Inspired Approach. 2012 ,	
1303	Eye movements in a sequential scanning task: evidence for distributed processing. 2012 , 12,	15
1302	The role of uncertainty and reward on eye movements in a virtual driving task. 2012 , 12, 19	41
1301	Temporal eye movement strategies during naturalistic viewing. 2012 , 12, 16	37
1300	Gaze capture by eye-of-origin singletons: interdependence with awareness. 2012 , 12, 17	20

1299	Brain-Like Emergent Spatial Processing. 2012 , 4, 161-185	6
1298	Threat-relevance impairs executive functions: negative impact on working memory and response inhibition. 2012 , 12, 384-93	42
1297	Multivariate decoding of fMRI data. 2012 , 18, 1-16	6
1296	Seamlet carving for shape-aware image resizing. 2012 , 55, 1073-1081	1
1295	Acoustic Rendering and Auditory Visual Cross-Modal Perception and Interaction. 2012, 31, 102-131	31
1294	A vision modeling framework for DHM using geometrically estimated FoV. 2012 , 44, 15-28	4
1293	Eye tracking and nutrition label use: A review of the literature and recommendations for label enhancement. 2012 , 37, 378-382	153
1292	Curious eyes: individual differences in personality predict eye movement behavior in scene-viewing. 2012 , 122, 86-90	58
1291	Gaze step distributions reflect fixations and saccades: a comment on. 2012 , 123, 325-34	9
1290	Neural dynamics of object-based multifocal visual spatial attention and priming: object cueing, useful-field-of-view, and crowding. 2012 , 65, 77-117	40
1289	Key frame extraction based on visual attention model. 2012 , 23, 114-125	59
1288	Visual servoing on unknown objects. 2012 , 22, 423-435	20
1287	An approach for visual attention based on biquaternion and its application for ship detection in multispectral imagery. 2012 , 76, 9-17	27
1286	Temporal Spectral Residual for fast salient motion detection. 2012 , 86, 24-32	18
1285	Predictive coding as a model of the V1 saliency map hypothesis. 2012 , 26, 7-28	35
1284	Spatial attention deficits in humans: the critical role of superior compared to inferior parietal lesions. 2012 , 50, 1092-103	79
1283	Top-down influences on visual attention during listening are modulated by observer sex. 2012 , 65, 62-76	30
1282	Data visualization optimization via computational modeling of perception. 2012 , 18, 309-20	17

1281	. 2012 , 4, 29-53	30
1280	Saliency detection by multitask sparsity pursuit. 2012 , 21, 1327-38	160
1279	. 2012 , 14, 187-198	123
1278	The involvement of bottom-up saliency processing in endogenous inhibition of return. 2012 , 74, 285-99	2
1277	Reallocating attention during multiple object tracking. 2012 , 74, 831-40	2
1276	Linking visual response properties in the superior colliculus to saccade behavior. 2012 , 35, 1738-52	62
1275	Gaze fixation improves the stability of expert juggling. 2012 , 216, 635-44	15
1274	Predictive eye movements in natural vision. 2012 , 217, 125-36	83
1273	Paying attention to attention: evidence for an attentional contribution to the size congruity effect. 2013 , 75, 1137-47	10
1272	Recurrence quantification analysis of eye movements. 2013 , 45, 842-56	84
1271	Parsing eye-tracking data of variable quality to provide accurate fixation duration estimates in infants and adults. 2013 , 45, 229-50	96
1270	A computational model of vision attention for inspection of surface quality in production line. 2013 , 24, 835-844	10
1269	Image Evaluation Based on Region of Interest. 2013 , 339, 253-258	
1268	Virginia Woolf and Neuropsychiatry. 2013 ,	3
1267	Robust static and moving object detection via multi-scale attentional mechanisms. 2013,	1
1266	A competitive interaction theory of attentional selection and decision making in brief, multielement displays. 2013 , 120, 589-627	33
1265	Visual Saliency from Image Features with Application to Compression. 2013 , 5, 76-98	13
1264	Emergence of bottom-up saliency in a spiking model of V1. 2013 , 14,	1

1263	A saliency-based bottom-up visual attention model for dynamic scenes analysis. 2013 , 107, 141-60	8
1262	The effects of mailing design characteristics on direct mail campaign performance. 2013 , 30, 143-159	35
1261	Vision. 2013 , 363-407	2
1260	A computational neural model of orientation detection based on multiple guesses: comparison of geometrical and algebraic models. 2013 , 7, 361-79	6
1259	Ideomotor perception modulates visuospatial cueing. 2013 , 77, 528-39	8
1258	Quantitative analysis of human-model agreement in visual saliency modeling: a comparative study. 2013 , 22, 55-69	397
1257	Neural Engineering. 2013 ,	15
1256	SLEDGE: Sequential Labeling of Image Edges for Boundary Detection. 2013 , 104, 15-37	11
1255	Attention-Aware Disparity Control in interactive environments. 2013, 29, 685-694	8
1254	Visual Attention and Applications in Multimedia Technologies. 2013 , 101, 2058-2067	39
1253	Sensory processing during viewing of cinematographic material: computational modeling and functional neuroimaging. 2013 , 67, 213-26	33
1252	Comparative study of fixation density maps. 2013 , 22, 1121-33	25
1251	A low-bandwidth graphical user interface for high-speed triage of potential items of interest in video imagery. 2013 ,	
1250	Attention modulates spatial priority maps in the human occipital, parietal and frontal cortices. 2013 , 16, 1879-87	135
1249	Intrinsically Motivated Learning in Natural and Artificial Systems. 2013,	69
1248	What stands out in a scene? A study of human explicit saliency judgment. 2013 , 91, 62-77	92
1247	Olfaction spontaneously highlights visual saliency map. 2013 , 280, 20131729	25
1246	Object recognition based on the region of interest and optical bag of words model. 2013,	2

1245	Can a robotic attention system simulate infant gazing behavior?. 2013 ,	2
1244	Salient stimuli capture attention and action. 2013 , 75, 1633-43	19
1243	Low-level spatiochromatic grouping for saliency estimation. 2013 , 35, 2810-6	12
1242	Perception of average value in multiclass scatterplots. 2013 , 19, 2316-25	51
1241	Identifying salient sounds using dual-task experiments. 2013,	2
1240	A Teleoperation System Utilizing Saliency-Based Visual Attention. 2013 ,	3
1239	Efficient bitrate reduction using a Game Attention Model in cloud gaming. 2013,	12
1238	Studying Relationships between Human Gaze, Description, and Computer Vision. 2013,	46
1237	Cultural differences in online beer marketing: findings from automated attention analysis. 2013 , 32, 644-654	7
1236	A MOTION ATTENTION MODEL BASED ON RARITY WEIGHTING AND MOTION CUES IN DYNAMIC SCENES. 2013 , 27, 1355009	3
1235	Attention driven visual QoE: Mechanism and methodologies. 2013,	3
1234	Considerations of Self-Motion in Motion Saliency. 2013,	2
1233	Anger superiority effect: The importance of dynamic emotional facial expressions. 2013, 21, 498-540	25
1232	Real-time salient object detection engine for high definition videos. 2013,	
1231	. 2013,	3
1230	Enhancing coded video quality with perceptual foveation driven bit allocation strategy. 2013,	0
1229	Nonlocal center-surround reconstruction-based bottom-up saliency estimation. 2013,	3
1228	Memory and prediction in natural gaze control. 2013 , 368, 20130064	29

1227	Objective estimation of 3D video quality: A disparity-based weighting strategy. 2013,	3
1226	Part Discovery from Partial Correspondence. 2013 ,	17
1225	Automated defect localization via low rank plus outlier modeling of propagating wavefield data. 2013 , 60, 2553-65	2
1224	Real-Time Visual SLAM for Autonomous Underwater Hull Inspection Using Visual Saliency. 2013 , 29, 719-733	131
1223	Two-layer average-to-peak ratio based saliency detection. 2013 , 28, 55-68	10
1222	A novel video salient object extraction method based on visual attention. 2013 , 28, 45-54	3
1221	Attention Based Detection and Recognition of Hand Postures Against Complex Backgrounds. 2013 , 101, 403-419	100
1220	A visual-attention model using Earth Mover's Distance-based saliency measurement and nonlinear feature combination. 2013 , 35, 314-28	26
1219	State-of-the-art in visual attention modeling. 2013 , 35, 185-207	1155
1218	High-throughput classification of clinical populations from natural viewing eye movements. 2013 , 260, 275-84	87
1217	Color coding in the cortex: a modified approach to bottom-up visual attention. 2013, 107, 39-47	3
1216	Web-enhanced object category learning for domestic robots. 2013 , 6, 53-67	2
1215	Maps of space in human frontoparietal cortex. 2013 , 107, 510-6	44
1214	Distractors less salient than targets capture attention rather than producing non-spatial filtering costs. 2013 , 144, 61-72	5
1213	A modeling approach for maintenance safety evaluation in a virtual maintenance environment. 2013 , 45, 937-949	27
1212	Where and how infants look: the development of scan paths and fixations in face perception. 2013 , 36, 32-41	15
1211	Real-time bio-inspired contrast enhancement on GPU. 2013 , 121, 40-52	8
1210	The co-attention model for tiny activity analysis. 2013 , 105, 51-60	3

1209	Visual attention: a rhythmic process?. 2013 , 23, R1110-2	44
1208	Spatial neglect and the neural coding of attentional priority. 2013 , 37, 705-22	31
1207	Priming and statistical learning in right brain damaged patients. 2013 , 51, 2526-33	22
1206	Evaluating the Effect of Saliency Detection and Attention Manipulation in Human-Robot Interaction. 2013 , 5, 139-152	27
1205	Brain mechanisms controlling decision making and motor planning. 2013 , 202, 321-45	6
1204	Local and global contrast adaptation in retinal ganglion cells. 2013 , 77, 915-28	29
1203	Volitional eyes opening perturbs brain dynamics and functional connectivity regardless of light input. 2013 , 69, 21-34	77
1202	Visual tracking by proto-objects. 2013 , 46, 2187-2201	8
1201	Top-down attention based on object representation and incremental memory for knowledge building and inference. 2013 , 46, 9-22	1
1200	Bayesian saliency via low and mid level cues. 2013 , 22, 1689-98	230
1200 1199	Bayesian saliency via low and mid level cues. 2013 , 22, 1689-98 Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013 , 23, 1016-1028	230
1199		
1199	Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013 , 23, 1016-1028	8
1199 1198	Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013 , 23, 1016-1028 The influence of motivational salience on saccade latencies. 2013 , 224, 35-47 Automated analysis of diabetic retinopathy images: principles, recent developments, and emerging	8
1199 1198 1197	Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013, 23, 1016-1028 The influence of motivational salience on saccade latencies. 2013, 224, 35-47 Automated analysis of diabetic retinopathy images: principles, recent developments, and emerging trends. 2013, 13, 453-9 Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex.	8 14 21
1199 1198 1197 1196	Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013, 23, 1016-1028 The influence of motivational salience on saccade latencies. 2013, 224, 35-47 Automated analysis of diabetic retinopathy images: principles, recent developments, and emerging trends. 2013, 13, 453-9 Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex. 2013, 79, 295-303	8 14 21 29
1199 1198 1197 1196 1195	Improving Bottom-up Saliency Detection by Looking into Neighbors. 2013, 23, 1016-1028 The influence of motivational salience on saccade latencies. 2013, 224, 35-47 Automated analysis of diabetic retinopathy images: principles, recent developments, and emerging trends. 2013, 13, 453-9 Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex. 2013, 79, 295-303 Neuroethology of prey capture in the barn owl (Tyto alba L.). 2013, 107, 51-61	8 14 21 29 24

1191	Visual interestingness in image sequences. 2013,	38
1190	A computational model of selecting visual attention based on bottom-up and top-down feature combination. 2013 ,	
1189	A Method of Ship Detection in Optical Satellite Image Based on Saliency Map. 2013,	O
1188	Color image quality assessment combining saliency and FSIM. 2013 ,	11
1187	Object-of-interest extraction based on sparse coding. 2013 ,	
1186	Whisker movements reveal spatial attention: a unified computational model of active sensing control in the rat. 2013 , 9, e1003236	38
1185	Collinearity impairs local element visual search. 2013 , 39, 156-67	10
1184	Eye movement control during scene viewing: immediate effects of scene luminance on fixation durations. 2013 , 39, 318-22	33
1183	Novelty is not enough: laser-evoked potentials are determined by stimulus saliency, not absolute novelty. 2013 , 109, 692-701	63
1182	Top-down beta rhythms support selective attention via interlaminar interaction: a model. 2013 , 9, e1003164	104
1182 1181	Top-down beta rhythms support selective attention via interlaminar interaction: a model. 2013 , 9, e1003164 An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013 , 722, 572-575	104
	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image.	
1181	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013, 722, 572-575 Saccadic momentum and facilitation of return saccades contribute to an optimal foraging strategy.	1
1181 1180	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013, 722, 572-575 Saccadic momentum and facilitation of return saccades contribute to an optimal foraging strategy. 2013, 9, e1002871 Exogenous attentional capture by subliminal abrupt-onset cues: evidence from contrast-polarity	37
1181 1180 1179	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013, 722, 572-575 Saccadic momentum and facilitation of return saccades contribute to an optimal foraging strategy. 2013, 9, e1002871 Exogenous attentional capture by subliminal abrupt-onset cues: evidence from contrast-polarity independent cueing effects. 2013, 39, 974-88	37
1181 1180 1179 1178	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013, 722, 572-575 Saccadic momentum and facilitation of return saccades contribute to an optimal foraging strategy. 2013, 9, e1002871 Exogenous attentional capture by subliminal abrupt-onset cues: evidence from contrast-polarity independent cueing effects. 2013, 39, 974-88 Decision Prediction Using Visual Patterns. 2013, 127, 545-560 The Application of Visual Attention Mechanism in Road Disaster Identification and early Warning	37
1181 1180 1179 1178	An Algorithm Based on PFT for Defect Recognition of X-Ray Steel Rope Cord Conveyer Belt Image. 2013, 722, 572-575 Saccadic momentum and facilitation of return saccades contribute to an optimal foraging strategy. 2013, 9, e1002871 Exogenous attentional capture by subliminal abrupt-onset cues: evidence from contrast-polarity independent cueing effects. 2013, 39, 974-88 Decision Prediction Using Visual Patterns. 2013, 127, 545-560 The Application of Visual Attention Mechanism in Road Disaster Identification and early Warning System. 2013, 385-386, 523-526	1 37 16 4

Production, control, and visual guidance of saccadic eye movements. 2013 , 2013, 752384	12
1172 Robot evolutionary localization based on attentive visual short-term memory. 2013 , 13, 1268-99	9 6
Saliency Detection Algorithm Based on Watershed Method and Regional Spatial Attention Mode 2013 , 753-755, 3047-3050	el.
Temporal stimulus properties that attract gaze to the periphery and repel gaze from fixation. 20^{1170} 13, 6	013 ,
1169 A value-driven mechanism of attentional selection. 2013 , 13,	182
1168 Visual search and location probability learning from variable perspectives. 2013 , 13, 13	23
1167 ARTISTIC COMPLEXITY AND SALIENCY: TWO FACES OF THE SAME COIN?. 2013 , 09, 1350010	0
1166 A Model of Target Detection in Variegated Natural Scene Based on Visual Attention. 2013 , 333-	335, 1213-1218
Oxytocin blunts social vigilance in the rhesus macaque. 2013 , 110, 11630-5	95
Attentional synchrony and the influence of viewing task on gaze behavior in static and dynamic scenes. 2013 , 13,	77
Temporal channels and disparity representations in stereoscopic depth perception. 2013 , 13, 26	5 13
$_{ m 1162}$ Visible propagation from invisible exogenous cueing. 2013 , 13,	6
Detection of regions of interest in a high-spatial-resolution remote sensing image based on an adaptive spatial subsampling visual attention model. 2013 , 50, 112-132	16
$_{ m 1160}$ Shared neural substrates of emotionally enhanced perceptual and mnemonic vividness. 2013 , 7,	, 40 20
Salient sounds activate human visual cortex automatically. 2013 , 33, 9194-201	63
1158 Predicting cognitive state from eye movements. 2013 , 8, e64937	76
Optimal sampling of visual information for lightness judgments. 2013 , 110, 11163-8	46
1156 Attention is spontaneously biased toward regularities. 2013 , 24, 667-77	191

1155	Salient collinear grouping diminishes local salience in visual search: an eye movement study. 2013 , 13,	4
1154	WHAT THE EYE DID NOT SEE TA FUSION APPROACH TO IMAGE CODING. 2013, 22, 1360014	1
1153	Particle-Filter Multi-Target Tracking Algorithm Based on Dynamic Salient Features. 2013,	
1152	The dependencies of fronto-parietal BOLD responses evoked by covert visual search suggest eye-centred coding. 2013 , 37, 1320-9	
1151	. 2013 , 15, 1553-1568	144
1150	The effect of scene variation on the redundant use of color in definite reference. 2013, 37, 395-411	34
1149	Context heterogeneity has a sustained impact on attention deployment: behavioral and electrophysiological evidence. 2013 , 50, 722-33	9
1148	Saliency Detection via Dense and Sparse Reconstruction. 2013,	389
1147	Attention based temporal filtering of sensory signals for data redundancy reduction. 2013,	1
1146	Airplane localization in satellite images by using visual attention. 2013,	
1145	The Multi-orientation Target Recognition Method Based on Visual Attention. 2013,	О
1144	Trading off salience and uncertainty in sampling a visual scene. 2013,	
1143	Information theory based region of interest extraction scheme with perceptual stimulus-response model. 2013 ,	
1142	Analysis of Human Attention toward Context-Related Images for Understanding Visual Information Processing. 2013 ,	1
1141	A multi-resolution saliency framework to drive foveation. 2013 ,	8
1140	Simultaneous modeling of visual saliency and value computation improves predictions of economic choice. 2013 , 110, E3858-67	131
1139	Visual fixation patterns of artists and novices in abstract painting observations. 2013,	1
1138	A visual attention model for news video. 2013 ,	

(2013-2013)

Interaction between cognitive and motor cortico-basal ganglia loops during decision making: computational study. 2013 , 109, 3025-40	a 47
1136 High-speed multiple spatial band-pass filtering using a resistive network. 2013 ,	1
1135 Saliency Aggregation: A Data-Driven Approach. 2013 ,	92
1134 Segmentation of Natural Scenes Based on Visual Attention and Gestalt Grouping Laws. 2013 ,	1
1133 Improved Adaptive Seam Carving for Image Retargeting. 2013 ,	
Contextual action recognition and target localization with an active allocation of attention or humanoid robot. 2013 , 8, 035002	1a 15
Performance of visually guided tasks using simulated prosthetic vision and saliency-based cue 2013, 10, 026017	es. 34
1130 Integrating salience and value in decision making. 2013 , 110, 15853-4	
Human Interface and the Management of Information. Information and Interaction for Health Safety, Mobility and Complex Environments. 2013 ,	٦, 2
1128 Interaction of textual and graphical information in locating web page widgets. 2013 , 32, 503-5	515 1
Saliency Detection Using DCT Coefficients and Superpixel-Based Segmentation. 2013 , 122-13	3
1126 Guiding visual attention by manipulating orientation in images. 2013 ,	8
1125 . 2013 ,	
The role of eye movements in a contour detection task. 2013 , 13,	4
Visual search for feature singletons: multiple mechanisms produce sequence effects in visual search. 2013 , 13,	18
1122 When Do the Effects of Distractors Provide a Measure of Distractibility?. 2013 , 261-315	8
1121 Camouflage texture evaluation using saliency map. 2013 ,	O

1119	Indoor Scene Classification Based on the Bag-of-Words Model of Local Feature Information Gain. 2013 , E96.D, 984-987	1
1118	On the origin of event-related potentials indexing covert attentional selection during visual search: timing of selection by macaque frontal eye field and event-related potentials during pop-out search. 2013 , 109, 557-69	30
1117	Particle Filter Algorithm for Object Tracking Based on Color Local Entropy. 2013 , 5, 961019	
1116	Global workspace dynamics: cortical "binding and propagation" enables conscious contents. 2013 , 4, 200	125
1115	Emotion regulation, attention to emotion, and the ventral attentional network. 2013, 7, 746	67
1114	Orientation is different: Interaction between contour integration and feature contrasts in visual search. 2013 , 13,	5
1113	Salience, State, and Expression. 2013 ,	1
1112	Saccades to future ball location reveal memory-based prediction in a virtual-reality interception task. 2013 , 13,	88
1111	Timing of saccadic eye movements during visual search for multiple targets. 2013, 13,	17
1110	A clustering model for item selection in visual search. 2013 , 13,	
1109	A computational model for task inference in visual search. 2013 , 13,	12
1108	Priming of fixations during recognition of natural scenes. 2013 , 13,	10
1107	Modeling guidance and recognition in categorical search: bridging human and computer object detection. 2013 , 13, 30	24
1106	Spatial structure of contextual modulation. 2013 , 13,	3
1105	Competitive guided search: meeting the challenge of benchmark RT distributions. 2013, 13,	41
1104	Modeling fixation locations using spatial point processes. 2013 , 13,	21
1103	Dissociation between saliency signals and activity in early visual cortex. 2013 , 13,	9
1102	Attention Research in Marketing: A Review of Eye Tracking Studies. 2013,	7

1101 Attention. 2013 , 989-1007	О
1100 Priming makes a stimulus more salient. 2013 , 13,	17
1099 Collinear integration affects visual search at V1. 2013 , 13, 24	5
1098 Brain cortical organization in entrepreneurs during a visual Stroop decision task. 2013 , 33	5
1097 Digital Image Matting. 2013 , 3, 16-36	
1096 Salience-based selection: attentional capture by distractors less salient than the target. 2013 , 8, e52595	27
1095 Spatial and feature-based attention in a layered cortical microcircuit model. 2013 , 8, e80788	16
1094 Eye Movements. 2013,	7
1093 The Nature and Status of Visual Resources. 2013 ,	16
1092 Dissociating oculomotor contributions to spatial and feature-based selection. 2013 , 110, 1525-34	23
Object-based saccadic selection during scene perception: evidence from viewing position effects. 2013 , 13,	35
1090 Feature-based attention in early vision for the modulation of figure-ground segregation. 2013 , 4, 123	6
Temporal oculomotor inhibition of return and spatial facilitation of return in a visual encoding task. 2013 , 4, 400	6
$_{f 1088}$ Fixations on objects in natural scenes: dissociating importance from salience. 2013 , 4, 455	18
1087 Toward a unified model of face and object recognition in the human visual system. 2013 , 4, 497	25
1086 A review of the findings and theories on surface size effects on visual attention. 2013 , 4, 902	34
1085 Exploring the role of gaze behavior and object detection in scene understanding. 2013 , 4, 917	21
Small Saccades and Image Complexity during Free Viewing of Natural Images in Schizophrenia. 2013 , 4, 37	15

1083	Top-down modulation of attention by emotion. 2013 , 7, 102	50
1082	Quantifying attentional modulation of auditory-evoked cortical responses from single-trial electroencephalography. 2013 , 7, 115	65
1081	Dissociations between spatial-attentional processes within parietal cortex: insights from hybrid spatial cueing and change detection paradigms. 2013 , 7, 366	10
1080	Attention and predictions: control of spatial attention beyond the endogenous-exogenous dichotomy. 2013 , 7, 685	64
1079	Attention as foraging for information and value. 2013 , 7, 711	14
1078	The amygdala and the relevance detection theory of autism: an evolutionary perspective. 2013, 7, 894	50
1077	Six networks on a universal neuromorphic computing substrate. 2013 , 7, 11	104
1076	The ripple pond: enabling spiking networks to see. 2013 , 7, 212	6
1075	Event-driven visual attention for the humanoid robot iCub. 2013 , 7, 234	25
1074	Attentional dynamics during free picture viewing: Evidence from oculomotor behavior and electrocortical activity. 2013 , 7, 17	37
1073	Splenium of corpus callosum: patterns of interhemispheric interaction in children and adults. 2013 , 2013, 639430	71
1072	Seven Challenges in Image Quality Assessment: Past, Present, and Future Research. 2013, 2013, 1-53	223
1071	What Guides Visual Overt Attention under Natural Conditions? Past and Future Research. 2013 , 2013, 868491	11
1070	An eye tracking investigation of developmental change in bottom-up attention orienting to faces in cluttered natural scenes. 2014 , 9, e85701	95
1069	Categorization of natural dynamic audiovisual scenes. 2014 , 9, e95848	7
1068	Attentional modulation and selectionan integrated approach. 2014 , 9, e99681	15
1067	On the importance of relative salience: comparing overt selection behavior of single versus simultaneously presented stimuli. 2014 , 9, e99707	2
1066	Eye movements as an index of pathologist visual expertise: a pilot study. 2014 , 9, e103447	54

1065	Top-Down and Bottom-Up Cues Based Moving Object Detection for Varied Background Video Sequences. 2014 , 2014, 1-20	11
1064	Guidance of visual attention by semantic information in real-world scenes. 2014 , 5, 54	65
1063	The effect of linguistic and visual salience in visual world studies. 2014 , 5, 176	4
1062	The role of intrinsic motivations in attention allocation and shifting. 2014 , 5, 273	13
1061	The effect of search mode on dimension weighting. 2014 , 5, 1054	
1060	Bilateral gain control; an "innate predisposition" for all sorts of things. 2014 , 8, 9	1
1059	Differing effects of attention in single-units and populations are well predicted by heterogeneous tuning and the normalization model of attention. 2014 , 8, 12	25
1058	Optimal attentional modulation of a neural population. 2014 , 8, 34	7
1057	Investigating bottom-up auditory attention. 2014 , 8, 327	50
1056	Attentional spreading to task-irrelevant object features: experimental support and a 3-step model of attention for object-based selection and feature-based processing modulation. 2014 , 8, 414	8
1055	Pupil size and social vigilance in rhesus macaques. 2014 , 8, 100	37
1054	Three-dimensional reach trajectories as a probe of real-time decision-making between multiple competing targets. 2014 , 8, 215	51
1053	Saliency mapping in the optic tectum and its relationship to habituation. 2014 , 8, 1	72
1052	Where's Waldo? How perceptual, cognitive, and emotional brain processes cooperate during learning to categorize and find desired objects in a cluttered scene. 2014 , 8, 43	28
1051	A role of the claustrum in auditory scene analysis by reflecting sensory change. 2014 , 8, 44	44
1050	The Control of Visual Attention. 2014 , 60, 303-347	23
1049	Complementary effects of gaze direction and early saliency in guiding fixations during free viewing. 2014 , 14, 3	37
1048	Feature-based attention is independent of object appearance. 2014 , 14,	4

1047 Exogenous visual orienting by reward. 2014 , 14, 6	74
1046 A Computational Model of Visual Attention Based on Space and Object. 2014 , 7, 42-48	2
An inverse Yarbus process: predicting observers' task from eye movement patterns. 2014 , 103, 127-42	47
1044 An Object-Based Visual Selection Model Combining Physical Features and Memory. 2014 ,	1
An Assisted Photography Framework to Help Visually Impaired Users Properly Aim a Camera. 2014 , 21, 1-29	21
1042 Using local saliency for object tracking with particle filters. 2014 ,	1
A scalable and efficient method for salient region detection using sampled template collation. 2014,	5
1040 Attention-aware rendering, mobile graphics and games. 2014 ,	5
1039 Learning to detect stereo saliency. 2014 ,	6
1038 Building detection based on human visual cognition mechanism using PolSAR images. 2014 ,	
Building detection based on human visual cognition mechanism using PolSAR images. 2014 , Top-down based saliency model in traffic driving environment. 2014 ,	1
	1
1037 Top-down based saliency model in traffic driving environment. 2014 ,	
Top-down based saliency model in traffic driving environment. 2014 , 1036 Incremental training of Restricted Boltzmann Machines using information driven saccades. 2014 ,	1
Top-down based saliency model in traffic driving environment. 2014, 1036 Incremental training of Restricted Boltzmann Machines using information driven saccades. 2014, 1035 Motor biases in visual attention for a humanoid robot. 2014, Simulating bistable perception with interrupted ambiguous stimulus using self-oscillator dynamics	11
Top-down based saliency model in traffic driving environment. 2014, 1036 Incremental training of Restricted Boltzmann Machines using information driven saccades. 2014, 1035 Motor biases in visual attention for a humanoid robot. 2014, Simulating bistable perception with interrupted ambiguous stimulus using self-oscillator dynamics with percept choice bifurcation. 2014, 15, 467-90	1 11 2 58
Top-down based saliency model in traffic driving environment. 2014, 1036 Incremental training of Restricted Boltzmann Machines using information driven saccades. 2014, 1035 Motor biases in visual attention for a humanoid robot. 2014, Simulating bistable perception with interrupted ambiguous stimulus using self-oscillator dynamics with percept choice bifurcation. 2014, 15, 467-90 1033 Transient pupil response is modulated by contrast-based saliency. 2014, 34, 408-17	1 11 2 58

1029	Quality of Experience. 2014 ,	82
1028	Bottom-Up Visual Saliency Using Binary Spectrum of Walsh-Hadamard Transform. 2014 , 33-41	
1027	Egocentric coding of space for incidentally learned attention: effects of scene context and task instructions. 2014 , 40, 233-50	16
1026	Effects of Cartographic Elevation Visualizations and Map-reading Tasks on Eye Movements. 2014 , 51, 225-236	6
1025	The art of gaze guidance. 2014 , 40, 33-9	10
1024	Sex and ability differences in neural activation for disembedding figures: An EEG investigation. 2014 , 35, 142-146	5
1023	Brain-Inspired Concept Networks: Learning Concepts from Cluttered Scenes. 2014 , 29, 14-22	3
1022	An information capacity limitation of visual short-term memory. 2014 , 40, 2214-42	23
1021	Dynamics of visibility, confidence, and choice during eye movements. 2014 , 40, 1213-27	6
1020	An Innovative SIFT-Based Method for Rigid Video Object Recognition. 2014 , 2014, 1-11	3
1019	Stable individual differences in saccadic eye movements during reading, pseudoreading, scene viewing, and scene search. 2014 , 40, 1390-400	45
1018	Spatial biases in viewing behavior. 2014 , 14,	52
1017	Quantitative measurement of eyestrain on 3D stereoscopic display considering the eye foveation model and edge information. 2014 , 14, 8577-604	18
1016	Top-down attentional processes modulate the coding of atypical biological motion kinematics in the absence of motor signals. 2014 , 40, 1641-53	15
1015	Shape beyond recognition: form-derived directionality and its effects on visual attention and motion perception. 2014 , 143, 434-54	5
1014	Sparse Representation of the Human Vision Information and the Saliency Detection Algorithm. 2014 , 513-517, 3349-3353	
1013	How light and motion bathe the silver screen 2014 , 8, 340-353	8
1012	Human detection in uncluttered environments: From ground to UAV view. 2014 ,	8

1011 . 2014,	O
1010 Image retrieval via generalized I-divergence in the bag-of-visual-words framework. 2014 ,	O
1009 Incorporating visual attention models into video quality metrics. 2014 ,	2
1008 Secret communication in colored images using saliency map as model. 2014 ,	1
1007 Evaluation of high dynamic range content viewing experience using eye-tracking data. 2014 ,	O
1006 Improved apparatus for predictive diagnosis of rotator cuff disease. 2014 ,	
A novel method for extracting saliency of ground target based on the knowledge of target region. 2014 ,	
Refresh Enabled Video Analytics (REVA): Implications on power and performance of DRAM supported embedded visual systems. 2014 ,	7
On Human Perception and Automatic Target Recognition: Strategies for Human-Computer Cooperation. 2014 ,	4
1002 Visual saliency detection by DCT coefficient dissimilarity. 2014 ,	
1001 Bi-directional Carving Based on Saliency Map via Absorbing Markov Chain. 2014 ,	
1000 Is Ehart junkluseful? An extended examination of visual embellishment. 2014 , 58, 1516-1520	17
999 Cheaper by the dozen. 2014 ,	8
998 Robust metric for the evaluation of visual saliency algorithms. 2014 , 31, 532-40	1
997 Vision prehension with CBIR for cloud robo. 2014 ,	3
Distinct local circuit properties of the superficial and intermediate layers of the rodent superior colliculus. 2014 , 40, 2329-43	52
995 A combined model for scan path in pedestrian searching. 2014 ,	
994 Spatial orienting in complex audiovisual environments. 2014 , 35, 1597-614	42

993	Maximal entropy random walk for region-based visual saliency. 2014 , 44, 1661-72	37
992	Modulation of stimulus contrast on the human pupil orienting response. 2014 , 40, 2822-32	40
991	Monochrome Forests and Colorful Trees: The Effect of Black-and-White versus Color Imagery on Construal Level. 2014 , 41, 1015-1032	77
990	The distractor positivity (Pd) signals lowering of attentional priority: evidence from event-related potentials and individual differences. 2014 , 51, 685-96	35
989	Attention Retargeting by Color Manipulation in Images. 2014,	17
988	The View from the Driver's Seat: What Good Is Salience?. 2014 , 28, 47-54	5
987	Rare, but obviously there: effects of target frequency and salience on visual search accuracy. 2014 , 152, 158-65	18
986	Transactions on Computational Collective Intelligence XVII. 2014,	
985	Introducing memory and association mechanism into a biologically inspired visual model. 2014 , 44, 1485-96	39
984	In search of a reliable electrophysiological marker of oculomotor inhibition of return. 2014 , 51, 1037-45	14
983	Individual Differences in Infant Oculomotor Behavior During the Viewing of Complex Naturalistic Scenes. 2014 , 19, 352-384	66
982	Hearing in noisy environments: noise invariance and contrast gain control. 2014 , 592, 3371-81	26
981	A Reverse Hierarchy Model for Predicting Eye Fixations. 2014 ,	9
980	Content-aware photo collage using circle packing. 2014 , 20, 182-95	16
979	Abnormal center-periphery gradient in spatial attention in simultanagnosia. 2014 , 26, 2778-88	6
978	Video quality assessment using visual attention computational models. 2014 , 23, 061107	10
977	Modeling visual clutter perception using proto-object segmentation. 2014 , 14,	20
976	Attentional attraction of receptive fields can explain spatial and temporal effects of attention. 2014 , 22, 704-736	45

975	Predicting human visuomotor behaviour in a driving task. 2014 , 369, 20130044	39
974	Modeling the interplay between conditioning and attention in a humanoid robot: Habituation and attentional blocking. 2014 ,	3
973	Steel Strip Defect Detection Based on Human Visual Attention Mechanism Model. 2014 , 530-531, 456-462	1
972	Quality and Quality of Experience. 2014 , 11-33	58
971	Colour and contrast of female faces: attraction of attention and its dependence on male hormone status in Macaca fuscata. 2014 , 94, 61-71	15
970	Fusion in Computer Vision. 2014 ,	10
969	Computational Intelligence in Multi-Feature Visual Pattern Recognition. 2014,	О
968	Encoding of graded changes in spatial specificity of prior cues in human visual cortex. 2014 , 112, 2834-49	11
967	Defending Yarbus: eye movements reveal observers' task. 2014 , 14, 29	131
966	Eye movements when viewing advertisements. 2014 , 5, 210	45
965	Saliency and saccade encoding in the frontal eye field during natural scene search. 2014 , 24, 3232-45	47
964	Seeing the axial line: evidence from wayfinding experiments. 2014 , 4, 167-80	21
963	Fabric defect image segmentation based on the visual attention mechanism of the wavelet domain. 2014 , 84, 1018-1033	16
962	Robust visual pedestrian detection by tight coupling to tracking. 2014 ,	3
961	Artificially created stimuli produced by a genetic algorithm using a saliency model as its fitness function show that Inattentional Blindness modulates performance in a pop-out visual search paradigm. 2014 , 97, 31-44	3
960	Novel biological visual attention mechanism via Gaussian harmony search. 2014 , 125, 2313-2319	7
959	Learning what is where from unlabeled images: joint localization and clustering of foreground objects. 2014 , 94, 261-279	3
958	Integrating bottom-up and top-down visual stimulus for saliency detection in news video. 2014 , 73, 1053-107	75 9

957	Color boosted visual saliency detection and its application to image classification. 2014 , 69, 877-896	2
956	Salient object detection based on regions. 2014 , 68, 517-544	9
955	Region-Based Artificial Visual Attention in Space and Time. 2014 , 6, 125-143	14
954	A Computational Cognitive Model of Information Search in Textual Materials. 2014 , 6, 1-17	14
953	Genetic and Evolutionary Computing. 2014 ,	1
952	On-chip semidense representation map for dense visual features driven by attention processes. 2014 , 9, 171-185	1
951	Contingent capture in cueing: the role of color search templates and cue-target color relations. 2014 , 78, 209-21	14
950	Reduced habituation to angry faces: increased attentional capture as to override inhibition of return. 2014 , 78, 196-208	20
949	Facial expression recognition in peripheral versus central vision: role of the eyes and the mouth. 2014 , 78, 180-95	70
948	Visual-adaptation-mechanism based underwater object extraction. 2014 , 56, 119-130	11
947	Driving forces in free visual search: An ethology. 2014 , 76, 280-95	14
946	Deciding with the eye: how the visually manipulated accessibility of information in memory influences decision behavior. 2014 , 42, 595-608	21
945	Using distraction to regulate emotion: insights from EEG theta dynamics. 2014 , 91, 254-60	28
944	A computational cognition model of perception, memory, and judgment. 2014 , 57, 1-15	12
943	Bottom-up attention orienting in young children with autism. 2014 , 44, 664-73	48
942	Visual social attention in autism spectrum disorder: insights from eye tracking studies. 2014 , 42, 279-97	267
941	A model of proto-object based saliency. 2014 , 94, 1-15	65
940	Saliency prediction on stereoscopic videos. 2014 , 23, 1476-90	65

939	. 2014 , 102, 843-859	45
938	Optogenetic and electrical microstimulation systematically bias visuospatial choice in primates. 2014 , 24, 63-69	66
937	An Augmented Two-Layer Model Captures Nonlinear Analog Spatial Integration Effects in Pyramidal Neuron Dendrites. 2014 , 102,	43
936	Robust and efficient saliency modeling from image co-occurrence histograms. 2014 , 36, 195-201	42
935	Ways of Knowing in HCI. 2014 ,	54
934	Designing and Evaluating a Social Gaze-Control System for a Humanoid Robot. 2014 , 44, 157-168	48
933	Bottom-up and top-down attention: different processes and overlapping neural systems. 2014 , 20, 509-21	153
932	Biomimetic tactile target acquisition, tracking and capture. 2014 , 62, 366-375	9
931	Tuning to the significant: neural and genetic processes underlying affective enhancement of visual perception and memory. 2014 , 259, 229-41	125
930	Temporal analysis and perceptual weighting for objective video quality measurement. 2014,	3
929	Autism spectrum disorder, but not amygdala lesions, impairs social attention in visual search. 2014 , 63, 259-74	31
928	Priority maps explain the roles of value, attention, and salience in goal-oriented behavior. 2014 , 34, 13867-9	36
927	Intrinsic and extrinsic contributions to heavy tails in visual foraging. 2014 , 22, 809-842	8
926	Moving target detection approach based on spatio-temporal salient perception. 2014 , 125, 6681-6686	2
925	Perceptual Annotation: Measuring Human Vision to Improve Computer Vision. 2014 , 36, 1679-86	32
924	Inhibition of return affects contrast sensitivity. 2014 , 67, 1305-16	8
923	Important stuff, everywhere!DActivity recognition with salient proto-objects as context. 2014,	8
922	. 2014 , 44, 523-538	57

921	Classification of object size in retinotectal microcircuits. 2014 , 24, 2376-85	100
920	A Study of Image Retargeting Based on Seam Carving. 2014 ,	4
919	Attentional priority determines working memory precision. 2014 , 105, 70-6	24
918	Temporal binding of neural responses for focused attention in biosonar. 2014 , 217, 2834-43	21
917	Population coding of affect across stimuli, modalities and individuals. 2014 , 17, 1114-22	216
916	A visually salient approach to recognize vehicles based on hierarchical architecture. 2014 ,	
915	Cylindrical Coordinates Security Visualization for multiple domain command and control botnet detection. 2014 , 46, 141-153	7
914	A Hierarchical System for a Distributed Representation of the Peripersonal Space of a Humanoid Robot. 2014 , 6, 259-273	19
913	Learning Race from Face: A Survey. 2014 , 36, 2483-509	98
912	A clustering-based method to estimate saliency in 3D animated meshes. 2014 , 43, 11-20	2
911	An assessment method for landmark recognition time in real scenes. 2014 , 40, 206-217	15
910	A novel image retrieval method based on hybrid information descriptors. 2014 , 25, 1574-1587	37
909	Unconscious cues bias first saccades in a free-saccade task. 2014 , 29, 48-55	8
908	Toward statistical modeling of saccadic eye-movement and visual saliency. 2014 , 23, 4649-62	17
907	A game attention model for efficient bit rate allocation in cloud gaming. 2014 , 20, 485-501	32
906	The effects of saccade-contingent changes on oculomotor capture: salience is important even beyond the first oculomotor response. 2014 , 76, 1803-14	6
905	ICAT: a computational model for the adaptive control of fixation durations. 2014, 21, 907-34	30
904	Electrophysiological correlates of the efficient detection of emotional facial expressions. 2014 , 1560, 60-72	11

903 Salient object detection via local saliency estimation and global homogeneity refinement. **2014**, 47, 1740-1750₂8

902	Global and local exploitation for saliency using bag-of-words. 2014 , 8, 299-304	3
901	Attention driven foveated video quality assessment. 2014 , 23, 200-13	38
900	Part and Attribute Discovery from Relative Annotations. 2014 , 108, 82-96	4
899	An Attentional Approach to Human R obot Interactive Manipulation. 2014 , 6, 533-553	8
898	SAR image target detection in complex environments based on improved visual attention algorithm. 2014 , 2014,	6
897	Improvement of design of a surgical interface using an eye tracking device. 2014 , 11 Suppl 1, S4	18
896	Vector space architecture for emergent interoperability of systems by learning from demonstration. 2014 , 9, 33-45	2
895	Low-level and high-level prior learning for visual saliency estimation. 2014 , 281, 573-585	23
894	Saliency-guided neural prosthesis for visual attention: design and simulation. 2014 , 78, 90-4	3
893	Automatic detection of auditory salience with optimized linear filters derived from human annotation. 2014 , 38, 78-85	15
892	Impairments in top down attentional processes in right parietal patients: paradoxical functional facilitation in visual search. 2014 , 97, 74-82	8
891	LEpport des sciences cognitives 🛭 l E lude de la perception en vision centrale et pEiphEique. 2014 , 7, 20-30	1
890	The emotion-action link? Naturalistic emotional stimuli preferentially activate the human dorsal visual stream. 2014 , 84, 254-64	33
889	Stimulus homogeneity enhances implicit learning: evidence from contextual cueing. 2014 , 97, 108-16	14
888	Functional size of human visual area V1: a neural correlate of top-down attention. 2014 , 93 Pt 1, 47-52	25
887	The neural basis of attentional control in visual search. 2014 , 18, 526-35	130
886	Development of First Social Referencing Skills: Emotional Interaction as a Way to Regulate Robot Behavior. 2014 , 6, 42-55	16

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885	BASI: a new index to extract built-up areas from high-resolution remote sensing images by visual attention model. 2014 , 5, 305-314	21
884	Network plasticity in adaptive filtering and behavioral habituation. 2014 , 82, 1216-29	108
883	Altering spatial priority maps via reward-based learning. 2014 , 34, 8594-604	113
882	Fast object detection based on selective visual attention. 2014 , 144, 184-197	29
881	The Bayesian brain: phantom percepts resolve sensory uncertainty. 2014 , 44, 4-15	116
880	A high-resolution 7-Tesla fMRI dataset from complex natural stimulation with an audio movie. 2014 , 1, 140003	97
879	Negative affect improves the quality of memories: trading capacity for precision in sensory and working memory. 2014 , 143, 1450-6	40
878	How task shapes the use of information during facial expression categorizations. 2014 , 14, 478-87	24
877	Introducing a Software-Based Method to Assess and Manipulate Visual Attention: Feasibility and Initial Validation. 2014 , 8, 264-278	
876	Visual search from lab to clinic and back. 2014 ,	
875	A cognitive method for melody stream transcription. 2014 ,	
874	A very brief introduction of what is known about vision experimentally. 2014 , 16-66	
873	The efficient coding principle. 2014 , 67-176	
872	Saliency-based gaze prediction based on head direction. 2015 , 117, 59-66	19
871	Active Object Localization with Deep Reinforcement Learning. 2015,	194
870	Cluster-Based Point Set Saliency. 2015 ,	21
869	Intelligent Vision Systems: Exploring the State-of-the-Art and Opportunities for the Future. 2015,	
868	Visual co-occurrence network: using context for large-scale object recognition in retail. 2015,	11

867	A novel approach to enlighten the effect of neighbor faces during attending a face in the crowd. 2015 ,	2
866	Visual motherese? Signal-to-noise ratios in toddler-directed television. 2015 , 18, 24-37	8
865	Eye-spots in Lepidoptera attract attention in humans. 2015 , 2, 150155	3
864	Endogenous strategy in exploration. 2015 , 41, 1634-49	5
863	Saliency aggregation via hard-voting evolution. 2015,	1
862	A model of face selection in viewing video stories. 2015 , 5, 7666	4
861	Irrelevant tactile stimulation biases visual exploration in external coordinates. 2015 , 5, 10664	8
860	Mammalian visual characteristics inspired perceptual image quantization using pulse-coupled neural networks. 2015 , 126, 3135-3139	1
859	Saliency-based ship detection in SAR images. 2015 ,	
858	The what, where, and why of priority maps and their interactions with visual working memory. 2015 , 1339, 154-64	110
8 ₅ 8		3
	, 1339, 154-64 Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A	
857	, 1339, 154-64 Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A Driving Simulation Study. 2015 , 44, 129-44	3
8 ₅₇ 8 ₅ 6	Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A Driving Simulation Study. 2015 , 44, 129-44 Brain signatures of perceiving a smile: Time course and source localization. 2015 , 36, 4287-303 Saccade execution suppresses discrimination at distractor locations rather than enhancing the	3
8 ₅₇ 8 ₅₆ 8 ₅₅	Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A Driving Simulation Study. 2015, 44, 129-44 Brain signatures of perceiving a smile: Time course and source localization. 2015, 36, 4287-303 Saccade execution suppresses discrimination at distractor locations rather than enhancing the saccade goal location. 2015, 41, 1624-34 Predictive distractor context facilitates attentional selection of high, but not intermediate and low,	3 13 19
8 ₅₇ 8 ₅₆ 8 ₅₅	Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A Driving Simulation Study. 2015, 44, 129-44 Brain signatures of perceiving a smile: Time course and source localization. 2015, 36, 4287-303 Saccade execution suppresses discrimination at distractor locations rather than enhancing the saccade goal location. 2015, 41, 1624-34 Predictive distractor context facilitates attentional selection of high, but not intermediate and low, salience targets. 2015, 36, 935-44 Parietal cortex integrates contextual and saliency signals during the encoding of natural scenes in	3 13 19 25
8 ₅₇ 8 ₅₆ 8 ₅₅ 8 ₅₄ 8 ₅₃	Nonuniform Changes in the Distribution of Visual Attention from Visual Complexity and Action: A Driving Simulation Study. 2015, 44, 129-44 Brain signatures of perceiving a smile: Time course and source localization. 2015, 36, 4287-303 Saccade execution suppresses discrimination at distractor locations rather than enhancing the saccade goal location. 2015, 41, 1624-34 Predictive distractor context facilitates attentional selection of high, but not intermediate and low, salience targets. 2015, 36, 935-44 Parietal cortex integrates contextual and saliency signals during the encoding of natural scenes in working memory. 2015, 36, 5003-17 Size does matter! Perceptual stimulus properties affect event-related potentials during feedback	3 13 19 25 28

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849 Beyond Information: Disclosure, Distracted Attention, and Investor Behavior. **2015**,

848	Ensemble summary statistics as a basis for rapid visual categorization. 2015 , 15, 8	23
847	Beyond the classical receptive field: The effect of contextual stimuli. 2015 , 15, 7	41
846	Visual assessment of BIPV retrofit design proposals for selected historical buildings using the saliency map method. 2015 , 2, 235-254	5
845	Long-range recruitment of Martinotti cells causes surround suppression and promotes saliency in an attractor network model. 2015 , 9, 60	5
844	Modeling attention-driven plasticity in auditory cortical receptive fields. 2015, 9, 106	4
843	Enhanced HMAX model with feedforward feature learning for multiclass categorization. 2015 , 9, 123	12
842	Perceptual salience affects the contents of working memory during free-recollection of objects from natural scenes. 2015 , 9, 60	20
841	Rapid cortical dynamics associated with auditory spatial attention gradients. 2015, 9, 179	6
840	A Hebbian cell assembly based neural field model for the remote associate task and creative search. 2015 , 16,	78
839	Strip Steel Defect Detection Based on Saliency Map Construction Using Gaussian Pyramid Decomposition. 2015 , 55, 1950-1955	16
838	Visual attention during spatial language comprehension. 2015 , 10, e0115758	9
837	Learning of Chunking Sequences in Cognition and Behavior. 2015 , 11, e1004592	24
836	Parametric modeling of visual search efficiency in real scenes. 2015 , 10, e0128545	2
835	Stereoscopic Offset Makes Objects Easier to Recognize. 2015 , 10, e0129101	12
834	Temporal Structure of Human Gaze Dynamics Is Invariant During Free Viewing. 2015 , 10, e0139379	12
833	Binocular fusion and invariant category learning due to predictive remapping during scanning of a depthful scene with eye movements. 2014 , 5, 1457	17
832	Visual exploration patterns of human figures in action: an eye tracker study with art paintings. 2015 , 6, 1636	16

831	The role of object affordances and center of gravity in eye movements toward isolated daily-life objects. 2015 , 15, 8	19
830	Weld Inspection Based on Radiography Image Segmentation with Level Set Active Contour Guided Off-Center Saliency Map. 2015 , 2015, 1-10	9
829	Toward Empirically Verified Cartographic Displays. 711-730	6
828	Visual Importance of Marketing Stimuli: Insights from Visual and Computational Neuroscience. 2015 ,	
827	Salient object detection via contrast information and object vision organization cues. 2015, 167, 390-405	5
826	Detection of engineering vehicles in high-resolution monitoring images. 2015 , 16, 346-357	3
825	Light field saliency vs. 2D saliency: A comparative study. 2015 , 166, 389-396	11
824	Mining Videos for Features that Drive Attention. 2015 , 311-326	2
823	Saliency detection using hierarchical manifold learning. 2015 , 168, 538-549	10
822	How visual attention affects choice outcomes: An eyetracking study. 2015 ,	3
821	Allocation of visual attention while driving with simulated augmented reality. 2015, 32, 46-55	24
820	Evidence of stimulus correlated empathy modesGroup ICA of fMRI data. 2015 , 94, 32-43	5
819	Biologically Inspired Visual Model With Preliminary Cognition and Active Attention Adjustment. 2015 , 45, 2612-24	22
818	A weighted sparse coding framework for saliency detection. 2015 ,	56
817	Label Consistent Quadratic Surrogate model for visual saliency prediction. 2015,	
816	Multi-scale target detection in SAR image based on visual attention model. 2015,	6
815	Identification of Visual Attention Regions in Machine Vision using Saliency Map. 2015,	5
814	Object recognition with top-down visual attention modeling for behavioral studies. 2015,	1

813	High-resolution PolSAR image interpretation based on human images cognition mechanism. 2015,	2
812	. 2015, 17, 2198-2209	26
811	Effect of fixation positions on perception of lightness. 2015,	
810	Robust saliency detection via regularized random walks ranking. 2015 ,	10
809	Adaptive color rendering of maps for users with color vision deficiencies. 2015,	2
808	Saliency Detection Using Quaternion Sparse Reconstruction. 2015,	
807	Robust face recognition based on saliency maps of sigma sets. 2015 ,	2
806	Computer-aided autism diagnosis based on visual attention models using eye tracking. 2021 , 11, 10131	3
805	Does visual saliency affect decision-making?. 2021 , 24, 1267	О
804	CNN Architectures for Geometric Transformation-Invariant Feature Representation in Computer Vision: A Review. 2021 , 2, 1	5
803	Classification of Autism Spectrum Disorder Severity Using Eye Tracking Data Based on Visual Attention Model. 2021 ,	
802	Neural Mechanism of Blindsight in a Macaque Model. 2021 , 469, 138-161	1
801	Complementary interactions between classical and top-down driven inhibitory mechanisms of attention. 2021 , 67, 66-72	
800	Cross-layer channel attention mechanism for convolutional neural networks. 2021,	
799	Study on Eye Movements in Subjective Evaluation of Displayed Pictures. 2021 , 141, 720-726	
798	Is This Really Relevant? A Guide to Best Practice Gaze-based Relevance Prediction Research. 2021 ,	
797	Rapid coordination of effective learning by the human hippocampus. 2021 , 7,	5
796	Bio-inspired visual attention for silicon retinas based on spiking neural networks applied to pattern classification. 2021 ,	O

795	Across-trial spatial suppression in visual search. 2021 , 83, 2744-2752	1
794	The essential role of recurrent processing for figure-ground perception in mice. 2021, 7,	5
793	Cognitive load influences oculomotor behavior in natural scenes. 2021 , 11, 12405	2
79 ²	No-Reference Quality Assessment for 3D Synthesized Images Based on Visual-Entropy-Guided Multi-Layer Features Analysis. 2021 , 23,	o
791	CLASSIFICATION OF CHEST RADIOGRAPHS USING NOVEL ANOMALOUS SALIENCY MAP AND DEEP CONVOLUTIONAL NEURAL NETWORK. 2021 , 22, 234-248	О
790	A dynamic pink noise paradigm to assess spatial-temporal attention without biasing perceptual processing.	O
789	Visualization of statistically significant correlation coefficients from a correlation matrix: a call for a change in practice. 1	1
788	Information Reuse Attention in Convolutional Neural Networks for Facial Expression Recognition in the Wild. 2021 ,	3
787	Visual Attention Software: A New Tool for Understanding the Bubliminal Experience of the Built Environment. 2021 , 11, 6197	3
786	More or less of me and you: self-relevance augments the effects of item probability on stimulus prioritization. 2021 , 1	2
785	Perceptual Inference, Learning, and Attention in a Multisensory World. 2021 , 44, 449-473	7
784	Bilateral-brain-like Semantic and Syntactic Cognitive Network for Aspect-level Sentiment Analysis. 2021 ,	
783	Looking for Semantic Similarity: What a Vector-Space Model of Semantics Can Tell Us About Attention in Real-World Scenes. 2021 , 32, 1262-1270	9
782	Effect of obesity on inhibitory control in preadolescents during stop-signal task. An event-related potentials study. 2021 , 165, 56-67	5
781	Retina-like Imaging and Its Applications: A Brief Review. 2021 , 11, 7058	3
780	What gaze direction can tell us about cognitive processes in invertebrates. 2021 , 564, 43-54	4
779	CGAN: closure-guided attention network for salient object detection. 1	2
778	Visual attention-driven framework to incorporate spatial-spectral features for hyperspectral anomaly detection. 2021 , 42, 7454-7488	2

777	WavNet IV isual saliency detection using Discrete Wavelet Convolutional Neural Network. 2021 , 79, 103236	1
776	Knowledge guides attention to goal-relevant information in older adults. 2021 , 6, 56	1
775	EEG evidence for enhanced attentional performance during moderate-intensity exercise. 2021, 58, e13923	2
774	Salient objects dominate the central fixation bias when orienting toward images. 2021 , 21, 23	O
773	Throwing open the doors of perception: The role of dopamine in visual processing. 2021 , 54, 6135-6146	О
772	Leveraging spatial-temporal convolutional features for EEG-based emotion recognition. 2021, 69, 102743	7
771	Editorial: Explainable Artificial Intelligence and Neuroscience: Cross-Disciplinary Perspectives. 2021 , 15, 731733	1
770	Improvement of Apraxia With Augmented Reality: Influencing Pantomime of Tool Use via Holographic Cues. 2021 , 12, 711900	1
769	A new discovery on visual information dynamic changes from V1 to V2: corner encoding. 2021 , 105, 3551-357	0 2
768	Structure, function and connectivity fingerprints of the frontal eye field versus the inferior frontal junction: A comprehensive comparison. 2021 , 54, 5462-5506	3
767	Modularity and multitasking in neuro-memristive reservoir networks. 2021 , 1, 014003	3
766	Time-varying measures of cerebral network centrality correlate with visual saliency during movie watching. 2021 , 11, e2334	1
765	Computerized Music-Reading Intervention Improves Resistance to Unisensory Distraction Within a Multisensory Task, in Young and Older Adults. 2021 , 15, 742607	
764	Visual Finance: The Pervasive Effects of Red on Investor Behavior. 2021 , 67, 5616-5641	4
763	Capturing the objects of vision with neural networks. 2021 , 5, 1127-1144	5
762	Behavioural and neural effects of eccentricity and visual field during covert visuospatial attention. 2021 , 1, 100039	
761	Periodic attention operates faster during more complex visual search.	
760	Inter-trial effects in priming of pop-out: Comparison of computational updating models. 2021 , 17, e1009332	0

 $\,$ Attention along the cortical hierarchy: Development matters. 2021, e1575

758	. 2021,	1
757	Deep saliency models learn low-, mid-, and high-level features to predict scene attention. 2021 , 11, 18434	2
756	Deep learning and the Global Workspace Theory. 2021 , 44, 692-704	6
755	What is unique about the human eye? Comparative image analysis on the external eye morphology of human and nonhuman great apes.	0
754	Knowledge-driven perceptual organization reshapes information sampling via eye movements.	
753	What's in a Photograph? The Perspectives of Composition Experts on Factors Impacting Visual Scene Display Complexity for Augmentative and Alternative Communication and Strategies for Improving Visual Communication. 2021 , 30, 2080-2097	4
75 ²	How top-down and bottom-up attention modulate risky choice. 2021 , 118,	O
751	Map Symbols in Video Games: the Example of V alheim□1	7
750	Increasing the load on executive working memory reduces the search performance in the natural scenes: Evidence from eye movements. 1	
749	Multisensory deficits in dyslexia may result from a locus coeruleus attentional network dysfunction. 2021 , 161, 108023	3
748	Differential effects of intra-modal and cross-modal reward value on visual perception: ERP evidence.	1
747	A Visual Attention Model Based on Eye Tracking in 3D Scene Maps. 2021 , 10, 664	О
746	Self-Supervised Attention Mechanism for Pediatric Bone Age Assessment With Efficient Weak Annotation. 2021 , 40, 2685-2697	3
745	Memory after visual search: Overlapping phonology, shared meaning, and bilingual experience influence what we remember. 2021 , 222, 105012	О
744	The past, present, and future of selection history. 2021 , 130, 326-350	11
743	An automatic feature construction method for salient object detection: A genetic programming approach. 2021 , 186, 115726	3
742	An Evolutionary Perspective of Dyslexia, Stress, and Brain Network Homeostasis. 2020 , 14, 575546	1

741 Different types of attention. **2021**, 3-49

740	Post-traumatic stress disorder is associated with alterations in evoked cortical activation during visual recognition of scenes. 2021 , 31, 102752	
739	Bilateral Attention Network for RGB-D Salient Object Detection. 2021 , 30, 1949-1961	39
738	Display of Range Changes in E-Trucks: An Empirical Investigation of Three Concept Variants. 2021 , 323-330	
737	Adaptive Feature Aggregation in Deep Multi-task Convolutional Neural Networks. 2021, 1-1	О
736	Stimulus-driven updating of long-term context memories in visual search. 2021 , 1	
735	SCEPA New Image Dimensional Emotion Recognition Model Based on Spatial and Channel-Wise Attention Mechanisms. 2021 , 9, 25278-25290	4
734	Effectiveness of Some Tests of Spatial Randomness in the Detection of Weak Graphical Passwords in Passpoint. 2021 , 173-183	О
733	. 2021 , 1-1	1
732	Hierarchical Paired Channel Fusion Network for Street Scene Change Detection. 2021 , 30, 55-67	14
731	Visual Attention Preference for Intermediate Predictability in Young Children. 2021 , 92, 691-703	3
730	Multiattention Network for Semantic Segmentation of Fine-Resolution Remote Sensing Images. 2021 , 1-13	22
729	Impaired Spatial Inhibition Processes for Interhemispheric Anti-saccades following Dorsal Posterior Parietal Lesions. 2021 , 2, tgab054	1
728	Modeling Dynamic Perceptual Attention in Complex Virtual Environments. 2005 , 266-277	25
727	A Bayesian Approach to Situated Vision. 2005 , 367-376	1
726	A Schema Based Model of the Praying Mantis. 2006 , 211-223	11
725	Top-Down Attention Guided Object Detection. 2006 , 193-202	1
724	A Goal Oriented Attention Guidance Model. 2002 , 453-461	49

723	Attentional Selection for Object Recognition 🖟 Gentle Way. 2002 , 472-479	102
722	A New Robotics Platform for Neuromorphic Vision: Beobots. 2002 , 558-566	4
721	Facial Recognition in Video. 2003 , 505-514	8
720	MAPS: Multiscale Attention-Based PreSegmentation of Color Images. 2003, 537-549	11
719	Experiential Sampling for Object Detection in Video. 2009 , 1-32	1
718	Automatic control of visual selection. 2012 , 59, 23-62	4
717	Guidance of visual search by memory and knowledge. 2012 , 59, 63-89	12
716	Reward and attentional control in visual search. 2012 , 59, 91-116	13
715	Eye Tracking: A Brief Introduction. 2014 , 323-348	4
714	In the Eye of Beholder: Joint Learning of Gaze and Actions in First Person Video. 2018 , 639-655	50
713	Scenes, Saliency Maps and Scanpaths. 2019 , 197-238	4
712	Measuring the Importance of Temporal Features in Video Saliency. 2020 , 667-684	3
711	Evolving an Artificial Visual Cortex for Object Recognition with Brain Programming. 2014, 97-119	9
710	Modeling of Human Saccadic Scanpaths Based on Visual Saliency. 2014 , 267-274	2
709	Learning-Based Visual Saliency Computation. 2014 , 101-149	1
708	Fusion of Multiple Visual Cues for Object Recognition in Videos. 2014 , 79-107	4
707	Learning to Look and Looking to Remember: A Neural-Dynamic Embodied Model for Generation of Saccadic Gaze Shifts and Memory Formation. 2015 , 175-200	6
706	Comparing Salient Object Detection Results without Ground Truth. 2014 , 76-91	16

705	Saliency Detection with Flash and No-flash Image Pairs. 2014 , 110-124	26
704	Webpage Saliency. 2014 , 33-46	48
703	A Closer Look at Context: From Coxels to the Contextual Emergence of Object Saliency. 2014 , 708-724	5
702	Cognitive Psychology and Neuropsychology of Nociception and Pain. 2015 , 3-20	4
701	Saliency Detection: A Divisive Normalization Approach. 2014 , 303-311	1
700	Saliency Weighted Features for Person Re-identification. 2015 , 191-208	11
699	Improving Saliency Models by Predicting Human Fixation Patches. 2015, 330-345	1
698	Content Based Image Retrieval Based on Modelling Human Visual Attention. 2015 , 137-148	3
697	Convolutional Neural Network with Biologically Inspired ON/OFF ReLU. 2015, 316-323	5
696	Human Visual Perception. 2016 , 279-312	2
695	Audio Visual Attention Models in the Mobile Robots Navigation. 2016 , 253-294	3
694	Monitoring Dementia with Automatic Eye Movements Analysis. 2016 , 299-309	5
693	The Role of Graduality for Referring Expression Generation in Visual Scenes. 2016 , 191-203	9
692	Making Smart Applications Smarter. 2016 , 463-471	2
691	Self-modeling and Self-awareness. 2017 , 279-304	3
690	Eye Movements During Search and Choice. 2017 , 331-359	5
689	Patterns of Attention: How Data Visualizations Are Read. 2017 , 176-191	6
688	The Research of Maintainability Analysis Based on Immersive Virtual Maintenance Technology. 2018 , 573-582	1

687	Attentive Models in Vision: Computing Saliency Maps in the Deep Learning Era. 2017, 387-399	1
686	Salient Regions for Query by Image Content. 2004 , 317-325	15
685	Integrating Epistemic Action (Active Vision) and Pragmatic Action (Reaching): A Neural Architecture for Camera-Arm Robots. 2008 , 220-229	6
684	A Distributed Computational Model of Spatial Memory Anticipation During a Visual Search Task. 2007 , 170-188	5
683	A Computational Model of Bistable Perception- Attention Dynamics with Long Range Correlations. 2007 , 251-263	3
682	The Bayesian Draughtsman: A Model for Visuomotor Coordination in Drawing. 2007 , 161-170	3
681	I See What You See: Eye Movements in Real-World Scenes Are Affected by Perceived Direction of Gaze. 2007 , 251-262	24
680	Generating Sequence of Eye Fixations Using Decision-Theoretic Attention Model. 2007 , 277-292	2
679	Biologically Inspired Framework for Learning and Abstract Representation of Attention Control. 2007 , 307-324	5
678	On the Role of Dopamine in Cognitive Vision. 2007 , 352-366	6
677	Auditory Gist Perception: An Alternative to Attentional Selection of Auditory Streams?. 2007, 399-416	11
676	Learning to Attend From Bottom-Up to Top-Down. 2007 , 106-122	2
675	An Attentional System Combining Top-Down and Bottom-Up Influences. 2007, 123-140	10
674	The Selective Attention for Identification Model (SAIM): Simulating Visual Search in Natural Colour Images. 2007 , 141-154	1
673	On Human Aspects in Ambient Intelligence. 2007 , 262-267	15
672	A Bio-inspired Architecture of an Active Visual Search Model. 2008 , 248-257	1
671	Learning Object Representations Using Sequential Patterns. 2008, 551-561	3

669	On the Optimality of Spatial Attention for Object Detection. 2009, 1-14	2
668	Modeling Attention and Perceptual Grouping to Salient Objects. 2009 , 166-182	2
667	Modeling the Interactions of Bottom-Up and Top-Down Guidance in Visual Attention. 2009, 197-211	3
666	Decoding What People See from Where They Look: Predicting Visual Stimuli from Scanpaths. 2009 , 15-26	7
665	Integrating Visual Context and Object Detection within a Probabilistic Framework. 2009, 54-68	3
664	Motion Saliency Maps from Spatiotemporal Filtering. 2009 , 112-123	8
663	Computational Nonlinear Dynamics Model of Percept Switching with Ambiguous Stimuli. 2009, 227-236	3
662	A Model to Simulate Web UsersŒye Movements. 2009 , 288-300	3
661	Image Compression Based on Visual Saliency at Individual Scales. 2009 , 157-166	13
660	Hebbian-Based Neural Networks for Bottom-Up Visual Attention Systems. 2009 , 1-9	13
659	An Adaptive Human-Aware Software Agent Supporting Attention-Demanding Tasks. 2009 , 292-307	6
658	Stereoscopic Visual Attention Model for 3D Video. 2010 , 314-324	59
657	Visual Selection and Attention Shifting Based on FitzHugh-Nagumo Equations. 2010, 240-249	1
656	On the Influence of Sensor Morphology on Vergence. 2010 , 146-155	1
655	Autonomous Development of Social Referencing Skills. 2010 , 628-638	7
654	Modeling Visual Attention for Rule-Based Usability Simulations of Elderly Citizen. 2011 , 72-81	2
653	Image Information in Digital Photography. 2011 , 122-131	4
652	How Do Decision Time and Realism Affect Map-Based Decision Making?. 2011 , 1-19	15

651	Learning What Matters: Combining Probabilistic Models of 2D and 3D Saliency Cues. 2011 , 132-142	23
650	Visual Saliency by Keypoints Distribution Analysis. 2011 , 691-699	9
649	A Real-Time Event-Based Selective Attention System for Active Vision. 2012 , 205-219	3
648	Actionable Information in Vision. 2013 , 17-48	9
647	Attention and Selection in Online Choice Tasks. 2012 , 200-211	13
646	On Scales, Salience and Referential Language Use. 2012 , 311-320	5
645	Purposive Evolution for Object Recognition Using an Artificial Visual Cortex. 2013, 355-370	1
644	The Emergence of Action Sequences from Spatial Attention: Insight from Rodent-Like Robots. 2012 , 168-179	5
643	Investigating the Origins of Intrinsic Motivation in Human Infants. 2013 , 367-392	8
642	Wayfinding in Real Cities: Experiments at Street Corners. 2012 , 461-477	5
641	Saliency Modeling from Image Histograms. 2012 , 321-332	17
640	Fusion of Multiple Visual Cues for Visual Saliency Extraction from Wearable Camera Settings with Strong Motion. 2012 , 436-445	16
639	Measuring the Attentional Effect of the Bottom-Up Saliency Map of Natural Images. 2013, 539-548	1
638	Dynamic Saliency Models and Human Attention: A Comparative Study on Videos. 2013 , 586-598	20
637	Asymmetry as a Measure of Visual Saliency. 2013 , 591-600	2
636	Evaluating Local Feature Detectors in Salient Region Detection. 2013 , 85-94	1
635	Top-Down Biasing and Modulation for Object-Based Visual Attention. 2013, 325-332	3
634	Color Quantization with Magnitude Sensitive Competitive Learning Algorithm. 2014, 212-231	1

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633	On the Implementation of a Saliency Based Digital Watermarking. 2015 , 447-455	6
632	Attention and Scene Understanding. 2005 , 197-203	12
631	Specifying the Components of Attention in a Visual Search Task. 2005 , 395-400	3
630	Task-relevance is causal in eye movement learning and adaptation. 2020 , 73, 157-193	2
629	Changing perspectives on goal-directed attention control: The past, present, and future of modeling fixations during visual search. 2020 , 73, 231-286	5
628	Meaning and attention in scenes. 2020 , 95-117	1
627	Toward integrated understanding of salience in psychosis. 2019 , 131, 104414	8
626	Pitch, Timbre and Intensity Interdependently Modulate Neural Responses to Salient Sounds. 2020 , 440, 1-14	3
625	Attentional Selection: Top-Down, Bottom-Up and History-Based Biases. 2020 ,	7
624	The time marker account of cross-channel temporal judgments. 278-300	4
623	Relating dopaminergic and cholinergic polymorphisms to spatial attention in infancy. 2014 , 50, 360-9	11
622	Perceptual salience does not influence emotional arousal's impairing effects on top-down attention. 2017 , 17, 700-706	8
621	Cognitive-motivational interactions: beyond boxes-and-arrows models of the mind-brain. 2017, 3, 287-303	12
620	Decision making on spatially continuous scales. 2018 , 125, 888-935	15
619	The spatial distribution of attention predicts familiarity strength during encoding and retrieval. 2020 , 149, 2046-2062	9
618	Explicit goal-driven attention, unlike implicitly learned attention, spreads to secondary tasks. 2018 , 44, 356-366	10
617	Contrasting gist-based and template-based guidance during real-world visual search. 2018, 44, 367-386	11
616	A source for awareness-dependent figure-ground segregation in human prefrontal cortex. 2020 , 117, 30836-30847	6

615	Chapter´5. Into film. 97-118	2
614	The neural mechanisms of attentional control. 2002 , 242-257	3
613	Mapping spatial attention with reaction time in neglect patients. 2002 , 274-288	2
612	Computational Neuroscience of Vision. 2001,	52
611	Neural network models. 2001 , 145-242	1
610	Understanding Vision. 2014,	45
609	Attention-gating for improved radio galaxy classification. 2021 , 501, 4579-4595	6
608	Corticothalamic feedback sculpts visual spatial integration in mouse thalamus.	4
607	Unraveling the Developmental Dynamic of Visual Exploration of Social Interactions in Autism.	1
606	Meaning Guides Attention in Real-World Scene Images: Evidence from Eye Movements and Meaning Maps.	1
605	A neural model of working memory.	3
604	Engagement of pulvino-cortical feedforward and feedback pathways in cognitive computations.	1
603	Contribution of FEF to attentional periodicity during visual search: a TMS study.	1
602	A dual foveal-peripheral visual processing model implements efficient saccade selection.	1
601	Towards a cognitive architecture for self-supervised transfer learning for objects detection with a Humanoid Robot. 2020 ,	1
600	. 2020,	3
599	Saccade dysmetria indicates attenuated visual exploration in autism spectrum disorder. 2021 , 62, 149-159	8
598	A novel airport extraction model based on saliency region detection for high spatial resolution remote sensing images. 2017 ,	1

597	Camouflage evaluation by bio-inspired local conspicuity quantification. 2018,	1
596	Collecting Social Signals in Constructive and Destructive Events during Human-robot Collaborative Tasks. 2020 ,	2
595	Inherent Importance of Early Visual Features in Attraction of Human Attention. 2020, 2020, 3496432	1
594	Perceptual salience influences food choices independently of health and taste preferences. 2020 , 5, 2	8
593	Optically guided level set for underwater object segmentation. 2019 , 27, 8819-8837	6
592	Object segmentation controls image reconstruction from natural scenes. 2017 , 15, e1002611	17
591	Primary Visual Cortex as a Saliency Map: A Parameter-Free Prediction and Its Test by Behavioral Data. 2015 , 11, e1004375	15
590	A Feedback Model of Attention Explains the Diverse Effects of Attention on Neural Firing Rates and Receptive Field Structure. 2016 , 12, e1004770	17
589	The spatial origin of a perceptual transition in binocular rivalry. 2008 , 3, e2311	16
588	Emergence of visual saliency from natural scenes via context-mediated probability distributions coding. 2010 , 5, e15796	9
587	Stimulus saliency modulates pre-attentive processing speed in human visual cortex. 2011 , 6, e16276	73
586	Controlling attention to nociceptive stimuli with working memory. 2011 , 6, e20926	31
585	The neural basis of centre-surround interactions in visual motion processing. 2011 , 6, e22902	7
584	Measures and limits of models of fixation selection. 2011 , 6, e24038	33
583	Where do neurologists look when viewing brain CT images? An eye-tracking study involving stroke cases. 2011 , 6, e28928	50
582	The role of attentional priority and saliency in determining capacity limits in enumeration and visual working memory. 2011 , 6, e29296	63
581	Diagnostic features of emotional expressions are processed preferentially. 2012 , 7, e41792	67
580	Effective visual working memory capacity: an emergent effect from the neural dynamics in an attractor network. 2012 , 7, e42719	20

579	Perceptual grouping and visual enumeration. 2012 , 7, e50862	13
578	The contributions of image content and behavioral relevancy to overt attention. 2014 , 9, e93254	28
577	Eye movements, visual search and scene memory, in an immersive virtual environment. 2014 , 9, e94362	35
576	Top-down but not bottom-up visual scanning is affected in hereditary pure cerebellar ataxia. 2014 , 9, e116181	4
575	Brain Potentials Highlight Stronger Implicit Food Memory for Taste than Health and Context Associations. 2016 , 11, e0154128	3
574	A view not to be missed: Salient scene content interferes with cognitive restoration. 2017 , 12, e0169997	4
573	Salient object changes influence overt attentional prioritization and object-based targeting in natural scenes. 2017 , 12, e0172132	7
572	Value-based decision making via sequential sampling with hierarchical competition and attentional modulation. 2017 , 12, e0186822	5
571	Contribution of FEF to Attentional Periodicity during Visual Search: A TMS Study. 2019, 6,	6
<i>5</i> 70	Predicting Search Performance in Heterogeneous Scenes: Quantifying the Impact of Homogeneity Effects in Efficient Search. 2019 , 5,	4
569	Predicting Search Performance in Heterogeneous Visual Search Scenes with Real-World Objects. 2017 , 3,	9
568	Vizulis ingerek figyelemelterellhatsilak vizsglata vezetsit szimullifeladat sorii. 2018 , 73, 357-372	1
567	Mobile Eye Tracking During Real-World Night Driving: A Selective Review of Findings and Recommendations for Future Research. 2017 , 10,	9
566	Brand Search Benefits of Online Advertising: An Eye-Tracking Experiment.	1
565	Top-down contingent feature-specific orienting with and without awareness of the visual input. 2011 , 7, 108-19	18
564	Fast Visual Attention Model Algorithm Based on Approximate Gaussian Pyramids. 2009 , 20, 3240-3253	2
563	Status and Development of Natural Scene Understanding for Vision-based Outdoor Moblie Robot. 2010 , 36, 1-11	5
562	Masked singleton effects. 2010 , 72, 2069	2

561	Vers une visualisation de la complexit[de l[mage cartographique.	5
560	Influence of Movement Expertise on Visual Perception of Objects, Events and Motor Action. 1-30	1
559	Attention in Stereo Vision. 65-88	1
558	Implementation and Evaluation of a Computational Model of Attention for Computer Vision. 273-306	4
557	Computational Models of Visual Attention. 2014 , 54-76	3
556	Incorporating Human Aspects in Ambient Intelligence and Smart Environments. 128-164	6
555	La reprEentation des scEes visuelles en mEnoire : les apports de la cEitEau changement. 2007 , 107, 459	1
554	A Hierarchical Computational Model of Selective Visual Attention. 2011 , 6,	1
553	The Associations between Visual Attention and Facial Expression Identification in Patients with Schizophrenia. 2013 , 10, 393-8	4
552	Method of Inducing Attention using Coefficient of Variation in Decision Making Task. 2014 , 13, 527-534	1
551	Visual Selection: Usually Fast and Automatic; Seldom Slow and Volitional. 2018 , 1, 29	77
550	Perceptual Processing is Not Spared During the Attentional Blink. 2018 , 1, 18	2
549	Unusual Motion Detection for Vision-Based Driver Assistance. 2015 , 15, 27-34	2
548	Fast and Conspicuous? Quantifying Salience With the Theory of Visual Attention. 2016 , 12, 20-38	11
547	Multi-Focal Vision and Gaze Control Improve Navigation Performance. 2012 , 9, 25	1
546	Segregation of complex acoustic scenes based on temporal coherence. 2013 , 2, e00699	53
545	A neural-level model of spatial memory and imagery. 2018, 7,	70
544	Fixation-pattern similarity analysis reveals adaptive changes in face-viewing strategies following aversive learning. 2019 , 8,	2

543	Attentional amplification of neural codes for number independent of other quantities along the dorsal visual stream. 2019 , 8,	29
542	Improving User Attention to Chatbots through a Controlled Intensity of Changes within the Interface. 2021 , 192, 5112-5121	
541	Response to commentaries to Luck et al. (2021). Progress toward resolving the attentional capture debate. 2021 , 29, 637-643	0
540	A Neural Dynamic Model of the Perceptual Grounding of Spatial and Movement Relations. 2021 , 45, e13045	
539	A 3D-2D Multibranch Feature Fusion and Dense Attention Network for Hyperspectral Image Classification. 2021 , 12,	0
538	Readers move their eyes mindlessly using midbrain visuo-motor principles.	
537	Crisis Map Design Considering Map Cognition. 2021 , 10, 692	О
536	From Flow to Fuse. 2021 , 5, 1-30	
535	Predictive eye movements are adjusted in a Bayes-optimal fashion in response to unexpectedly changing environmental probabilities. 2021 , 145, 212-225	1
534	Taking the right (or left?) turn: effects of landmark salience on the retrieval of route directions. 2021 , 21, 290-319	1
533	Does feature intertrial priming guide attention? The jury is still out. 2021 , 1	2
532	Attention: The grounds of self-regulated cognition. 2021 , e1582	O
531	A survey on deep learning for textual emotion analysis in social networks. 2021,	9
530	Does temperament have a differential effect on Inhibition of Return (IOR)?. 2021 , 221, 103439	
529	Linking Pupil Size Modulated by Global Luminance and Motor Preparation to Saccade Behavior. 2021 , 476, 90-101	1
528	A Cuneate-Based Network and Its Application as a Spatio-Temporal Filter in Mobile Robotics. 2001 , 418-425	
527	Inferior temporal cortical visual areas. 2001 , 81-125	
526	Principles and Conclusions. 2001 , 456-476	

525	Visual attentional mechanisms. 2001 , 126-144	
524	Extrastriate visual areas. 2001 , 57-69	
523	Introduction. 2001 , 1-35	
522	Visual search: Attentional neurodynamics at work. 2001 , 353-382	
521	The cortical neurodynamics of visual attention - a model. 2001 , 323-352	
520	A Computational Approach to the Neuropsychology of Visual Attention. 2001 , 383-403	
519	The parietal cortex. 2001 , 70-80	
518	The primary visual cortex. 2001 , 36-56	
517	Models of invariant object recognition. 2001 , 243-322	
516	Outputs of visual processing. 2001 , 404-455	
515	A Method of Extracting Objects of Interest with Possible Broad Application in Computer Vision. 2002 , 331-339	1
5 1 4	Multimodal Attention System for an Interactive Robot. 2003 , 212-220	1
513	A Biologically Inspired Active Stereo Vision System Using a Bottom-Up Saliency Map Model. 2004 , 730-735	О
512	An LGN Inspired Detect/Transmit Framework for High Fidelity Relay of Visual Information with Limited Bandwidth. 2005 , 177-186	
511	Perception-Action Based Object Detection from Local Descriptor Combination and Reinforcement Learning. 2005 , 639-648	
510	TarzaNN : A General Purpose Neural Network Simulator for Visual Attention Modeling. 2005 , 159-167	6
509	Combining Conspicuity Maps for hROIs Prediction. 2005 , 71-82	
508	Biasing Competition in Human Visual Cortex. 2005 , 305-310	О

507	A Population-Based Inference Framework for Feature-Based Attention in Natural Scenes. 2005 , 147-156	
506	Salience-Preserving Image Composition with Luminance Consistency. 2006 , 308-316	
505	Whatland WhereInformation Based Attention Guidance Model. 2006, 265-274	1
504	Attention Improves the Recognition Reliability of Backpropagation Network. 2006, 633-642	
503	3-1. ?????????? 2006 , 60, 1214-1220	
502	Localization of Attended Multi-feature Stimuli: Tracing Back Feed-Forward Activation Using Localized Saliency Computations. 2006 , 471-480	
501	Guiding a Bottom-Up Visual Attention Mechanism to Locate Specific Image Regions Using a Distributed Genetic Optimization. 2006 , 257-266	
500	Simulation and Formal Analysis of Visual Attention in Cognitive Systems. 2007 , 463-480	1
499	Computational Neuroscience and Cognitive Brain Functions. 2007 , 153-167	
498	Artificial Brain and OfficeMateTR based on Brain Information Processing Mechanism. 2007 , 123-143	1
497	Instant Pattern Filtering and Discrimination in a Multilayer Network with Gaussian Distribution of the Connections. 2007 , 240-252	
496	Language Label Learning for Visual Concepts Discovered from Video Sequences. 2007 , 91-105	
495	Attention-Based Landmark Selection in Autonomous Robotics. 2007 , 447-462	
494	Reinforcement Learning for Decision Making in Sequential Visual Attention. 2007 , 293-306	2
493	Attention et perception de sc l ies visuelles. 2007 , 107, 113	O
492	Seeing What We Can Do: Insights into Vision and Action through Observations of Natural Behavior. 2008 , 189-206	1
491	Encyclopedia of Multimedia. 2008, 442-444	
490	CSDD Features: Center-Surround Distribution Distance for Feature Extraction and Matching. 2008 , 140-153	2

489	Neurobiologia na tropie Wiadomolli. 2008 ,	3
488	Animate Vision, Virtual Environments, and Neural Codes. 2008 , 139-158	
487	Between linguistic attention and gaze fixations inmultimodal conversational interfaces. 2009,	5
486	Attention Speeds Up Visual Information Processing: Selection for Perception or Selection for Action?. 2009 , 81-88	
485	Automated Visual Attention Manipulation. 2009, 257-272	2
484	Low Memory Implementation of Saliency Map Using Strip-Based Method. 2009 , 715-726	1
483	Early Top-Down Influences in Control of Attention: Evidence from the Attentional Blink. 2009, 680-686	
482	Cognitive Ontology: A Concept Structure for Dynamic Event Interpretation and Description from Visual Scene. 2009 , 123-134	O
481	Modelling the Efficiencies and Interactions of Attentional Networks. 2009 , 139-152	1
480	A Relationship between 'Uniform Connectedness' and Search Efficiency on Portal Main Page. 2009 , 9, 163-173	
479	Visual learning for flexible decisions in the human brain. 2009 , 1, 99-114	1
478	Positional Features and Algorithmic Predictability of Visual Regions-of-Interest in Robot Hand Movement. 2009 , 21, 765-772	1
477	A Novel Hierarchical Model of Attention: Maximizing Information Acquisition. 2010, 224-233	
476	Roles of Early Vision for the Dynamics of Border-Ownership Selective Neurons. 2010 , 99-106	
475	References. 2010 , 591-616	1
474	A Biologically-Inspired Automatic Matting Method Based on Visual Attention. 2010 , 170-177	O
473	Image and Video Region Saliency Based on Space and Motion. 2010 , 95-109	O
472	Estimation of Salient Regions Based on Local Extrema of Images. 2010 , 64, 1250-1259	2

471	Generating Saliency Maps Using Human Based Computation Agents. 2010, 252-260	1
470	Applying HTM-Based System to Recognize Object in Visual Attention. 2010 , 79-90	1
469	Quality of Experience for High Definition Presentations - Case: Digital Cinema. 2010 , 25-50	0
468	Ambiguity in Interpersonal Communication and Its Function. 2010 , 22, 450-463	2
467	Saliency-Based Candidate Inspection Region Extraction in Tape Automated Bonding. 2010, 186-196	1
466	Saliency Detection. 2010 , 64, 1830-1832	1
465	Algorithm for detection of ROI based on fractal and wavelet. 2010 , 30, 1613-1615	1
464	Encyclopedia of Clinical Neuropsychology. 2011 , 1856-1857	
463	An Integrated Approach to Visual Attention Modeling for Saliency Detection in Videos. 2011 , 181-214	
462	Video Scene Analysis: A Machine Learning Perspective. 2011 , 87-116	
461	Content and Attention Aware Overlay for Online Video Advertising. 2011, 101-121	
460	A Modified GBVS Method with Entropy for Extracting Bottom-Up Attention Information. 2011 , 765-770	
459	Development of a Biologically Inspired Real-Time Spatiotemporal Visual Attention System. 2011 , 416-424	2
458	Attentional mechanisms for video retargeting and 3D compressive processing. 2011 , 15, 943-950	
457	Forced and Multiple Choice. 2011 , 357-380	
456	Sudden-Target Search Algorithm of Monitor Area Based on Visual Information Processing Model. 2012 , 111-118	
455	Using Non-oscillatory Dynamics to Disambiguate Pattern Mixtures. 2012 , 57-74	1

453	Learning Visual Saliency Based on Object Relative Relationship. 2012 , 318-327	
452	An Integrated Agent Model for Attention and Functional State. 2012, 658-668	1
451	What the Eye Did Not See 🖪 Fusion Approach to Image Coding. 2012 , 199-208	1
450	ROI detection method for lunar imagery based on SURF. 2012 , 30, 561-565	
449	Implementation of a Stereo Vision Using Saliency Map Method. 2012 , 36, 674-682	
448	Visible Distortion Predictors Based on Visual Attention in Color Images. 2012 , 10, 300-306	
447	Neural Modelling: Neural Information Processing and Selected Applications. 2013, 349-388	
446	Brain Networks in Psychosis. 2013 , 165-190	
445	Unsupervised Language Learning for Discovered Visual Concepts. 2013 , 524-537	
444	Video Saliency Detection Algorithm Based on Phase and Amplitude Joint Spectrum Difference. 2013 , 180-189	
443	Selective Review of Visual Attention Models. 2013 , 372-405	
442	Attentive Visual Memory for Robot Localization. 2013, 406-436	
441	Validating the Visual Saliency Model. 2013 , 153-161	
440	Evaluating Scalability of Neural Configurations in Combined Classifier and Attention Models. 2013 , 246-258	
439	An Effective Image Retrieval Technique Based on Color and Texture to salient features of image. 2013 , 2, 32-38	
438	Attention-Guided Organized Perception and Learning of Object Categories Based on Probabilistic Latent Variable Models. 2013 , 05, 123-133	
437	Research on Motion Attention Fusion Model-Based Video Target Detection and Extraction of Global Motion Scene. 2013 , 04, 30-35	0
436	Evolving Conspicuous Point Detectors for Camera Trajectory Estimation. 2013 , 339-353	

435	Development of Dual Tactor Capability for a Soldier Multisensory Navigation and Communication System. 2013 , 46-55
434	Experimental Evidence. 2013 , 19-29
433	References. 2013 , 435-451
432	Computational Models for Top-down Visual Attention. 167-205
431	Validation and Evaluation for Visual Attention Models. 207-220
430	A Survey of Research on Human-Vehicle Interaction in Defense Area. 2013 , 18, 155-166
429	Computational Approaches to Attention. 2014 , 891-930
428	A Hybrid Model for Video Shot Saliency Extraction. 2014 , 779-786
427	Semi-Automatic Content Annotation. 166-208
426	Attention Based Segmentation and Recognition Algorithm for Hand Postures Against Complex Backgrounds. 2014, 107-131
425	A Curious Vision System for Autonomous and Cumulative Object Learning. 2014 , 195-211
425 424	A Curious Vision System for Autonomous and Cumulative Object Learning. 2014 , 195-211 Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain Programming. 2014 , 121-140
	Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain
424	Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain Programming. 2014 , 121-140
424	Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain Programming. 2014, 121-140 Encyclopedia of Computational Neuroscience. 2014, 1-3
424 423 422	Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain Programming. 2014, 121-140 Encyclopedia of Computational Neuroscience. 2014, 1-3 Robotic Gaze Stabilization based on Fixation. 2014, 32, 84-90
424 423 422 421	Optimizing a Conspicuous Point Detector for Camera Trajectory Estimation with Brain Programming. 2014, 121-140 Encyclopedia of Computational Neuroscience. 2014, 1-3 Robotic Gaze Stabilization based on Fixation. 2014, 32, 84-90 Mining Cluster-Specific Knowledge for Saliency Ranking. 2014, 151-178

Approach and scope. 2014, 1-15 417 Visual recognition as decoding. 2014, 315-363 416 The V1 hypothesisBreating a bottom-up saliency map for preattentive selection and 415 1 segmentation. **2014**, 189-314 Study on Low Delay and Adaptive Video Transmission for a Surveillance System in Visual Sensor 414 Networks. 2014, 39C, 435-446 Epilogue. 2014, 364-366 413 V1 and information coding. 2014, 177-188 Bibliography. 2014, 421-512 411 410 The Rules of Attention Shift on Display and Control Terminal Base on Situation Awareness. 2014, 9, Visual Perceptual Skills Training in Virtual Environments. 2014, 1029-1042 409 Research on the Distribution of Attention in the Course of Maintenance Training. 2014, 9, 408 Humanoid Robotics and Neuroscience: Science, Engineering, and Society. 2014, 3-28 407 3 406 Automatic Segmentation of Product Bottle Label Based on GrabCut Algorithm. 2014, 10, 1-10 A Detection Framework for Weld Seam Profiles Based on Visual Saliency. 2015, 311-319 405 Integration of Biological Neural Models for the Control of Eye Movements in a Robotic Head. 2015, 231-242 404 A Feature Fusion-Based Visual Attention Method for Target Detection in SAR Images. 2015, 159-166 1 403 402 Why You Trust in Visual Saliency. 2015, 589-596 An Experimental Analysis of Saliency Detection with Respect to Three Saliency Levels. 2015, 806-821 401 3 Search Guided Saliency. 2015, 443-456 400

399	An Algorithm for Medical Imagining Compression That Is Oriented to ROI-Characteristics Protection. 2015 , 03, 854-861	1
398	Full-Reference SSIM Metric for Video Quality Assessment with Saliency-Based Features. 2015 , 547-554	O
397	Cortical Networks of Visual Recognition. 295-318	
396	Fast 3D Salient Region Detection in Medical Images Using GPUs. 2016 , 11-26	
395	Tactile Attention in the Vibrissal System. 2016 , 771-779	О
394	Applications of Visual Attention in Image Processing, Computer Vision, and Graphics. 2016, 45-68	
393	Evolution of Active Categorical Image Classification via Saccadic Eye Movement. 2016 , 581-590	1
392	Prediction of the Attention Area in Ambient Intelligence Tasks. 2016 , 33-56	
391	Spectral Saliency-Based Video Deinterlacing. 2016 , 590-598	1
390	2D and 3D Visual Attention for Computer Vision. 2016 , 1-44	
389	Perceptual Modeling of Virtual Soldier in Military Game Based on Attention Theory. 2016 , 483-491	
388	Visual Attention Model with a Novel Learning Strategy and Its Application to Target Detection from SAR Images. 2016 , 149-160	
387	Event Recognition B iological. 2016 , 447-466	
386	Context Sensitive Tactile Displays for Bidirectional HRI Communications. 2017 , 17-26	
385	Mechanisms for Stable Bump Activity, Winner-Take-All and Group Selection in Neuronal Spiking Networks.	
384	Attention Allocation and Maintenance in Novice and Teen Drivers. 2016, 75-84	
383	Cortical dynamics of saccade-target selection during free-viewing of natural scenes.	
382	Death and rebirth of neural activity in sparse inhibitory networks.	1

381	Actions. 2016 , 11, e0166174	
380	Ich bin 🗟 lso denke ich. 2016 , 63-96	
379	Allgegenwitige Mensch-Computer-Interaktion. 2017 , 11-31	
378	Video saliency detection algorithm based on biological visual feature and visual psychology theory. 2017, 66, 109501	
377	On the Implementation of a Digital Image Watermarking Framework Using Saliency and Phase Congruency. 2017 , 253-292	
376	Webpage Image Saliency Prediction via Adaptive SVM. 2017 , 128-136	
375	Eye Movements: Parameters, Mechanisms, and Active Vision. 2017 , 265-279	
374	Captive-bred Orangutans voluntarily choose to reward themselves with cabbage containing greater amounts of anthocyanin in a two-alternative decision task.	
373	2D and 3D Visual Attention for Computer Vision. 2017 , 75-118	
372	A Saliency Based Human Detection Framework for Infrared Thermal Images. 2017 , 282-294 o	
37 ²	A Saliency Based Human Detection Framework for Infrared Thermal Images. 2017 , 282-294 o Encyclopedia of Clinical Neuropsychology. 2017 , 1-2	
371	Encyclopedia of Clinical Neuropsychology. 2017 , 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies	
37 ¹	Encyclopedia of Clinical Neuropsychology. 2017, 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies revealed by Fixation-Pattern Similarity Analysis.	
371 370 369	Encyclopedia of Clinical Neuropsychology. 2017, 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies revealed by Fixation-Pattern Similarity Analysis. Spreading pre-saccadic attentional resources without trade-off.	
371 370 369 368	Encyclopedia of Clinical Neuropsychology. 2017, 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies revealed by Fixation-Pattern Similarity Analysis. Spreading pre-saccadic attentional resources without trade-off. Incentive value and spatial certainty combine additively to determine visual priorities. Dissociable signatures of visual salience and behavioral relevance across attentional priority maps	
371 370 369 368 367	Encyclopedia of Clinical Neuropsychology. 2017, 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies revealed by Fixation-Pattern Similarity Analysis. Spreading pre-saccadic attentional resources without trade-off. Incentive value and spatial certainty combine additively to determine visual priorities. Dissociable signatures of visual salience and behavioral relevance across attentional priority maps in human cortex.	
371 370 369 368 367 366	Encyclopedia of Clinical Neuropsychology. 2017, 1-2 Fear Generalization as Threat Prediction: Adaptive Changes in Facial Exploration Strategies revealed by Fixation-Pattern Similarity Analysis. Spreading pre-saccadic attentional resources without trade-off. Incentive value and spatial certainty combine additively to determine visual priorities. Dissociable signatures of visual salience and behavioral relevance across attentional priority maps in human cortex. 2 Visual attention is not always spatially coupled to subsequent oculomotor program.	

363	Encyclopedia of Clinical Neuropsychology. 2018, 2565-2567	
362	Applications of Visual Attention in Image Processing, Computer Vision, and Graphics. 2018 , 1662-1685	
361	Biologically Inspired Components in Embedded Vision Systems. 2018 , 458-493	
360	Estimation of Student Classroom Attention Using a Novel Measure of Head Motion Coherence. 2018 , 106-117	
359	On the Implementation of a Digital Image Watermarking Framework Using Saliency and Phase Congruency. 2018 , 1391-1430	
358	Cortical Recruitment Determines Learning Dynamics and Strategy.	О
357	Computational Models of Visual Attention. 2018 , 1-26	
356	Cortical recruitment determines learning dynamics and strategy.	
355	Inter-trial effects in visual pop-out search: Factorial comparison of Bayesian updating models.	
354	Performance Analysis of Preconditioned Conjugate Gradient Solver on Heterogeneous (Multi-CPUs/Multi-GPUs) Architecture. 2019 , 318-336	1
353	Dynamic saliency detection via CNN and spatial-temporal fusion. 2018,	
352	Effect of Ocular Vergence Function on Eye-Hand Coordination. 2018 , 20, 289-295	
351	Free Energy Principle and Visual Consciousness. 2018 , 25, 53-70	1
350	Microsphere rapid positioning and contour evaluation in a microvisual environment. 2018, 27, 1	
349	Novel infrared object detection and tracking algorithm based on visual attention. 2018,	
348	Modeling Attention Control Using A Convolutional Neural Network Designed After The Ventral Visual Pathway.	
347	Target Tracking Based on Visual Saliency Combining Super-Pixel Segmentation and Conditional Number Blocking. 2019 ,	
346	Believe It or Not, We Know What You Are Looking At!. 2019 , 35-50	14

Bottom-Up Attention, Models of. 2019, 1-19 345 Influences of Prolonged Fasting on Behavioral and Brain Patterns. 2019, 1261-1278 344 Intrinsically Motivated Active Perception for Multi-areas View Tasks. 2019, 598-609 343 Cross-Category Cross-Semantic Regularization for Fine-Grained Image Recognition. 2019, 110-122 342 Attentional Bias Based on Previous Selection Experience Bottom-Up Attention Processing 341 Mechanism. 2019, 09, 405-412 Unified Image Aesthetic Prediction via Scanpath-Guided Feature Aggregation Network. 2019, 259-271 340 Implementation of a Reversible Watermarking Technique for Medical Images. 2019, 1-37 2 339 Defect detection method for complex surface based on human visual characteristics and feature 338 extracting. 2019, Anticipatory distractor suppression elicited by statistical regularities in visual search. \circ 337 Watermark by Learning Non-saliency. 2020, 61-72 336 Fabric Defect Detection Using Fully Convolutional Network with Attention Mechanism. 2019, 335 Meaning maps and saliency models based on deep convolutional neural networks are insensitive to 334 image meaning when predicting human fixations. Mechanism of duration perception in artificial brains suggests new model of attentional 333 entrainment. Visual Importance Identification of Natural Images Using Location-Based Feature Selection Saliency 332 Map. 2020, 557-571 Attention-Based Asymmetric Fusion Network for Saliency Prediction in 3D Images. 2020, 93-105 331 Visual Attention Through Uncertainty Minimization in Recurrent Generative Models. 330 Perception and Saccades during Figure-Ground Segregation and Border-Ownership Discrimination 329 in Natural Contours. 2020, E103.D, 1126-1134 328 If I Cannot See It, It Is Not There - A Graphical Approach to De-escalating Commitment. 2020,

327	COCO-Search18: A Dataset for Predicting Goal-directed Attention Control.	
326	Optimal policy for attention-modulated decisions explains human fixation behavior.	3
325	A Study of Perceptual and Cognitive Models Applied to Prediction of Eye Gaze within Statistical Graphs. 2020 ,	
324	Residual Attention Encoding Neural Network for Terrain Texture Classification. 2020 , 52-63	
323	Scene Viewing and Spatial Statistics. 2021 , 89-105	
322	. 2020,	1
321	Functional biases in attentional templates from associative memory. 2020 , 20, 7	1
320	Enforcement Key Feature Mining for Task Specific Salient Region Detection. 2020,	
319	Induced brain magnetic activities related to salient birdsong under noisy conditions. 2021, 32, 82-87	1
318	A concurrent working memory load does not necessarily impair spatial attention: Evidence from inhibition of return. 2021 , 29, 38-50	O
317	Task-Dependent Eye-Movement Patterns in Viewing Art. 2020 , 13,	1
316	Active Touch Sensing in Mammals and Robots. 2020 , 79-109	1
315	Early Diagnosis of Alzheimer Disease Based on Selective Kernel Network with Spatial Attention. 2020 , 503-515	3
314	Social-Emotional Inhibition of Return. 2020 , 1-7	
313	Preliminary Study on Visual Attention Maps of Experts and Nonexperts When Examining Pathological Microscopic Images. 2020 , 140-149	
312	Depth Perception Tendencies in the 3-D Environment of Virtual Reality. 2020 , 142-150	
311	Synchronization Analysis in Models of Coupled Oscillators. 2020 , 889-904	
310	Viewing Behaviour and Task Performance on Austrian Destination Websites: Comparing Generation Y and the Baby Boomers. 2020 , 225-241	1

309	Themes of advanced information processing in the primate brain. 2020 , 7, 373-388	O
308	Popular Imperceptibility Measures in Visual Adversarial Attacks are Far from Human Perception. 2020 , 188-199	
307	Salient Object Detection Using DenseNet Features. 2020 , 1641-1648	
306	Lateral Lemniscus. 2020 , 556-565	
305	Inferring Intent and Action from Gaze in Naturalistic Behavior. 2020 , 1464-1482	
304	Predicting Human Scanpaths in Visual Question Answering. 2021,	1
303	Discoursing children characteristics of Zenith bank \square , Nigeria, advertising: an expression of clause as representation. 2020 , 16, 333-365	2
302	Exploring the Effect of Visual Cues on Eye Gaze During AR-Guided Picking and Assembly Tasks. 2021 ,	2
301	SAI-YOLO: A Lightweight Network for Real-Time Detection of Driver Mask-Wearing Specification on Resource-Constrained Devices. 2021 , 2021, 4529107	5
300	Rapid Extraction of the Spatial Distribution of Physical Saliency and Semantic Informativeness from Natural Scenes in the Human Brain. 2021 ,	5
299	Computational Approaches to Measurement of Visual Attention. 31-43	
298	Replicating the Role of the Human Retina for a Cortical Visual Neuroprosthesis. 346-365	
297	Modeling Visual Saliency in Images and Videos. 79-100	
296	Implementation and Evaluation of a Computational Model of Attention for Computer Vision. 422-454	
295	Replicating the Role of the Human Retina for a Cortical Visual Neuroprosthesis. 1532-1551	
294	Attentive Visual Memory for Robot Localization. 785-811	
293	Modeling Visual Saliency in Images and Videos. 273-293	
292	A Curious Vision System for Autonomous and Cumulative Object Learning. 2014 , 195-211	O

291	Multimedia Adaptation and Browsing on Small Displays. 2005 , 371-391	
290	Cognitively Motivated Novelty Detection in Video Data Streams. 2007 , 209-233	
289	Toward Human Arm Attention and Recognition. 2007 , 1071-1080	
288	Attention-Based Environment Perception in Autonomous Robotics. 2007, 579-590	
287	Covert Attention with a Spiking Neural Network. 2008 , 56-65	4
286	A Bio-inspired Proposal for Focus Attention While Preserving Information. 21-29	
285	Perception Model for People with Visual Impairments. 2008, 279-290	2
284	Biologically-Inspired Digital Architecture for a Cortical Model of Orientation Selectivity. 2008 , 188-197	
283	A Computational Model of Saliency Map Read-Out during Visual Search. 2008, 433-442	
282	Can we accurately predict where we look at paintings?. 2020 , 15, e0239980	2
281	Efficient Salient Object Detection Model with Dilated Convolutional Networks. 2020 , E103.D, 2199-2207	0
280	Rapid coordination of effective learning by the human hippocampus.	
279	Eye and hand movements disrupt attentional control.	
278	Exploring Language Prior for Mode-Sensitive Visual Attention Modeling. 2020,	1
277	The Role of Attention in Learning in the Digital Age. 2019 , 92, 21-28	9
276	Understanding the differential impact of children's TV on executive functions: a narrative-processing analysis. 2021 , 66, 101661	O
275	How Does Threat Modulate the Motivational Effects of Reward on Attention?. 2021, 68, 165-172	
274	Diminishing Reality: Potential Benefits and Risks. 2021 , 65, 164-168	

273	The Effects of Diminished Reality on the Detection of and Response to Notifications. 2021 , 65, 159-163	
272	Under time pressure, the exogenous modulation of saccade plans is ubiquitous, intricate, and lawful. 2021 , 70, 154-162	O
271	DRA-ODM: a faster and more accurate deep recurrent attention dynamic model for object detection. 1	1
270	A causal role for the right frontal eye fields in value comparison. 2021 , 10,	Ο
269	Mechanisms of feature binding in visual working memory are stable over long delays. 2021 , 21, 7	
268	A Biological Inspired Cognitive Framework for Memory-Based Multi-Sensory Joint Attention in Human-Robot Interactive Tasks. 2021 , 15, 648595	
267	3-D Facial Expression Recognition via Attention-Based Multichannel Data Fusion Network. 2021 , 70, 1-10	
266	Salience.	
265	Cognitive function and alcohol use disorder: Path analysis for a cross-sectional study in Taiwan. 2021 , 35, 124	
264	The Ingredients of Scenes that Affect Object Search and Perception. 2022 , 1-32	Ο
263	A new representation of scene layout improves saliency detection in traffic scenes. 2022 , 193, 116425	О
262	HyperLoopNet: Hyperspectral image classification using multiscale self-looping convolutional networks. 2022 , 183, 422-438	4
261	Reward learning and statistical learning independently influence attentional priority of salient distractors in visual search 2022 , 1	1
260	Contour detection based on the interactive response and fusion model of bilateral attention pathways. 1	
259		0
	pathways. 1	0
259	An awareness-dependent mapping of saliency in the human visual system 2021 , 247, 118864	

255	Parallel Advantage: Further Evidence for Bottom-up Saliency Computation by Human Primary Visual Cortex 2022 , 51, 60-69	О
254	Twenty seconds of visual behaviour on social media gives insight into personality 2022 , 12, 1178	
253	Visual Saliency via Multiscale Analysis in Frequency Domain and Its Applications to Ship Detection in Optical Satellite Images 2021 , 15, 767299	О
252	Global attention-assisted representation learning for vehicle re-identification. 1	1
251	Do Children With Developmental Language Disorder Activate Scene Knowledge to Guide Visual Attention? Effect of Object-Scene Inconsistencies on Gaze Allocation 2021 , 12, 796459	0
250	Attention integrated hierarchical networks for no-reference image quality assessment. 2022 , 82, 103399	3
249	Impact of Mixed Bundling Type on Consumers[Value Perception.	О
248	Sensing and Human Factors Research: A Review. 2022 , 88, 55-64	
247	Eye and hand movements disrupt attentional control 2022 , 17, e0262567	О
246	Exogenous capture accounts for fundamental differences between prosaccade and antisaccade performance.	
245	The angry versus happy recognition advantage: the role of emotional and physical properties 2022 , 1	
244	Task demands determine whether shape or arousal of a stimulus modulates competition for visual working memory resources 2022 , 224, 103523	
243	Visualization of Facial Attractiveness Factors Using Gradient-weighted Class Activation Mapping to Understand the Connection between Facial Features and Perception of Attractiveness. 2022 ,	0
242	The optimal use of computer aided detection to find low prevalence cancers 2022 , 7, 13	
241	Salient visual foci on human faces in viewersængagement with advertisements: Eye-tracking evidence and theoretical implications. 263497952210763	
240	Neural circuits of fear and defensive behavior 2022 , 271, 51-69	O
239	Weakly Supervised Visual Saliency Prediction 2022, PP,	0
238	Generating Automatic Ground Truth by Integrating Various Saliency Techniques. 2022, 371-384	

237	Influence of claustrum on cortex varies by area, layer, and cell type.	0
236	SFINet: Shufflelindliusion Interaction Networks for Wind Power Forecasting. 2022, 12, 2253	О
235	Semantic object-scene inconsistencies affect eye movements, but not in the way predicted by contextualized meaning maps 2022 , 22, 9	
234	Image Quality Predictor with Highly Efficient Fully Convolutional Neural Network. 2022 , 2022, 1-12	
233	Application of Image Fusion Algorithm Combined with Visual Saliency in Target Extraction of Reflective Tomography Lidar Image 2022 , 2022, 8247344	1
232	Lightweight Deep Learning for Road Environment Recognition. 2022 , 12, 3168	1
231	Context-Aware Saliency Guided Radiomics: Application to Prediction of Outcome and HPV-Status from Multi-Center PET/CT Images of Head and Neck Cancer 2022 , 14,	1
230	The location independence of learned attentional flexibility 2022 , 84, 682	
229	Interaction of prior category knowledge and novel statistical patterns during visual search for real-world objects 2022 , 7, 21	
228	Detection of DIAG and LINE Patterns in PassPoints Graphical Passwords Based on the Maximum Angles of Their Delaunay Triangles 2022 , 22,	
227	Fast Detection of Snakes and Emotional Faces in the Macaque Amygdala 2022, 16, 839123	1
226	The elephant in the room: attention to salient scene features increases with comedic expertise 2022 , 1	
225	Search image formation for spider prey in a mud dauber wasp 2022, 197, 104619	
224	Testing the underlying processes leading to learned distractor rejection: Learned oculomotor avoidance 2022 , 1	0
223	Visual segmentation of complex naturalistic structures in an infant eye-tracking search task 2022 , 17, e0266158	0
222	Gated residual feature attention network for real-time Dehazing. 1	
221	A compact deep architecture for real-time saliency prediction. 2022 , 104, 116671	2
220	Contour-guided saliency detection with long-range interactions. 2022 , 488, 345-358	

219	Attention-based deep neural network for driver behavior recognition. 2022, 132, 152-161	1
218	SRFS-NET: Few Shot Learning Combined with the Salient Region. 2021 ,	
217	Top-down, bottom-up, and history-driven processing of multisensory attentional cues in intellectual disability: An experimental study in virtual reality 2021 , 16, e0261298	1
216	AHDet: A dynamic coarse-to-fine gaze strategy for active object detection. 2021,	
215	How do humans group non-rigid objects in multiple object tracking?: Evidence from grouping by self-rotation 2021 ,	
214	Relationship Between Facial Areas With the Greatest Increase in Non-local Contrast and Gaze Fixations in Recognizing Emotional Expressions. 2021 , 9, 359-368	1
213	Supporting Online and On-Site Digital Diverse Travels. 2021, 4, 4558-4577	2
212	Review of Visual Saliency Prediction: Development Process from Neurobiological Basis to Deep Models. 2022 , 12, 309	3
211	Depth-Guided Two-Way Saliency Network for 2D Images. 2022 , 61-71	
210	Visual Attention and Cognitive Archaeology: An Eye-Tracking Study of Palaeolithic Stone Tools 2021 , 3010066211069504	4
209	Guiding spatial attention by multimodal reward cues 2021 , 84, 655	O
208	Two-stream Global-Guided Attention Network for Facial Expression Recognition. 2021,	8
207	What is unique about the human eye? Comparative image analysis on the external eye morphology of human and nonhuman great apes. 2021 ,	О
206	Maximizing the visual translation of medical information: A narrative review of the role of infographics in clinical pharmacy practice, education, and research. 2021 , 4, 257-266	3
205	The role of temporal cortex in the control of attention. 2022 , 3, 100038	O
204	Visual selective attention and visual search performance in children with CVI, ADHD, and Dyslexia: a scoping review 2022 , 1-34	1
203	Parietal but not temporoparietal alpha-tACS modulates endogenous visuospatial attention. 2022,	О
202	A descending interneuron with depolarized resting membrane potential controls C. elegans motor states.	2

201	Salient Object Detection by LTP Texture Characterization on Opposing Color Pairs under SLICO Superpixel Constraint 2022 , 8,		O
200	Priority coding in the visual system <i>Nature Reviews Neuroscience</i> , 2022 ,	13.5	1
199	How the Preattentive Process is Exploited in Practical Information Visualization Design: A Review. 1-14		1
198	A Multitask Convolutional Neural Network for Artwork Appreciation. 2022 , 2022, 1-8		2
197	Pupillary responses to differences in luminance, color and set size 2022,		
196	Construction Robot Teleoperation Safeguard Based on Real-Time Human Hand Motion Prediction. 2022 , 148,		1
195	Dynamic causal interactions between occipital and parietal cortex explain how endogenous spatial attention and stimulus-driven salience jointly shape the distribution of processing priorities in 2D visual space 2022 , 119206		O
194	Data_Sheet_1.docx. 2020 ,		
193	Presentation_1.pdf. 2018 ,		
192	Data_Sheet_1.PDF. 2020 ,		
191	Data_Sheet_1.ZIP. 2020 ,		
190	Video_1.MP4. 2020 ,		
189	Table_1.pdf. 2020 ,		
188	Data_Sheet_1.doc. 2018 ,		
187	Image_1.tif. 2018 ,		
186	Image_2.tif. 2018 ,		
185	Table_1.docx. 2018 ,		
184	Data_Sheet_1.PDF. 2019 ,		

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165	The relationship between visual confirmation bias, belief consistency, and belief polarization. 1-38	
164	Attentional economics links value-modulated attentional capture and decision-making.	1
163	Multi-Color Space Network for Salient Object Detection 2022 , 22,	
162	Spatiotemporal two-stream LSTM network for unsupervised video summarization.	
161	A Multi-Stage Visible and Infrared Image Fusion Network Based on Attention Mechanism. 2022, 22, 3651	
160	Saliency-aware color harmony models for outdoor signboard. 2022 , 105, 25-35	O
159	Attention-modulated multi-branch convolutional neural networks for neonatal brain tissue segmentation 2022 , 146, 105522	1
158	Event driven bio-inspired attentive system for the iCub humanoid robot on SpiNNaker.	1
157	1111111111111111111111111111111111111	
156	Developmental differences in the impact of perceptual salience on short-term memory performance and meta-memory skills 2022 , 12, 8185	Ο
155	Quality of Experience in Telemeetings and Videoconferencing: A Comprehensive Survey. 2022, 1-1	O
154	Effective DemeapexNet: Revealing Spontaneous Facial Micro-Expressions. 2022,	
153	Detecting Marine Organisms Via Joint Attention-Relation Learning for Marine Video Surveillance. 2022 , 1-16	О
152	Multisource Adaption for Driver Attention Prediction in Arbitrary Driving Scenes. 2022, 1-14	O
151	Perceived Dominating Colors Optimization for Camouflage Texture Generation & ITS Effect Evaluation. 2022 ,	
150	Average fixation duration in infancy: Stability and predictive utility.	O
149	How much can we differentiate at a brief glance: revealing the truer limit in conscious contents through the massive report paradigm (MRP). 2022 , 9,	0
148	Taking a closer look at body processing in binge eating disorder Influence of BMI and eating pathology. 2022 , 104106	O

147	Modeling Human Visual Search in Natural Scenes: A Combined Bayesian Searcher and Saliency Map Approach. 2022 , 16,	
146	Neuro-anatomie morphologique et fonctionnelle. 2021 , e1-e168	
145	On the Influence of Spatial and Value Attentional Cues Across Individuals. 2022, 5,	
144	Biased Competition between Targets and Distractors Reduces Attentional Suppression: Evidence from the Ppc and PD. 1-13	O
143	Spatial task relevance modulates value-driven attentional capture.	O
142	2D and 3D representation of objects in architectural and heritage studies: in search of gaze pattern similarities. 2022 , 10,	O
141	A Perspective on Information Optimality in a Neural Circuit and Other Biological Systems. 2022 , 3, 410-427	1
140	Effects of selective attention on the C1 ERP component: A systematic review and meta-analysis.	O
139	Information-optimal local features automatically attract covert and overt attention. 2022, 12,	O
138	A novel video saliency estimation method in the compressed domain.	O
137	Bottom-Up Attention, Models of. 2022 , 513-531	
136	Target Selection vs. Response Selection. 2022 , 3393-3395	
135	Pop-in: the inversion of pop-out for a feature dimension during visual search in area V4 of the monkey cortex.	
134	Perceptual learning with dichoptic attention tasks improves attentional modulation in V1 and IPS and reduces interocular suppression in human amblyopia. 2022 , 12,	O
133	CAFS: An Attention-Based Co-Segmentation Semi-Supervised Method for Nasopharyngeal Carcinoma Segmentation. 2022 , 22, 5053	
132	Searching for Visual Singletons Without A Feature to Guide Attention. 1-18	2
131	Nicotine promotes the utility of short-term memory during visual search in macaque monkeys.	О
130	HVLM: Exploring Human-Like Visual Cognition and Language-Memory Network for Visual Dialog. 2022 , 59, 103008	O

129	Co-saliency detection with intra-group two-stage group semantics propagation and inter-group contrastive learning. 2022 , 252, 109356	2
128	Human peripheral blur is optimal for object recognition. 2022 , 200, 108083	O
127	Exogenous capture accounts for fundamental differences between pro- and antisaccade performance. 11,	0
126	Modeling Eye Movements During Decision Making: A Review.	1
125	Copyright Page. 2014 , iv-iv	
124	Preface. 2014 , v-vi	
123	EyeSyn: Psychology-inspired Eye Movement Synthesis for Gaze-based Activity Recognition. 2022,	1
122	Implementation of a Reversible Watermarking Technique for Medical Images. 2022 , 533-571	
121	Self Supervised Scanpath Prediction Framework for Painting Images. 2022,	0
120	Characterizing Target-absent Human Attention. 2022 ,	1
119	ScanpathNet: A Recurrent Mixture Density Network for Scanpath Prediction. 2022,	
118	When We Study the Ability to Attend, What Exactly Are We Trying to Understand?. 2022, 8, 212	O
117	Reclaiming saliency: Rhythmic precision-modulated action and perception. 16,	
116	Enhancing spiking neural networks with hybrid top-down attention. 16,	
115	Cascaded normalizations for spatial integration in the primary visual cortex of primates. 2022, 40, 111221	О
114	Deep Global-Local Gazing: Including Global Scene Properties in Local Saliency Computation. 2022 , 2022, 1-15	
113	Pinging the brain to reveal the hidden attentional priority map.	О
112	A dynamic 1/f noise protocol to assess visual attention without biasing perceptual processing.	

Preattentive facilitation of target trajectories in a dragonfly visual neuron. **2022**, 5,

110	Scene inversion reveals distinct patterns of attention to semantically interpreted and uninterpreted features. 2022 , 229, 105231	
109	Scene saliencies in egocentric vision and their creation by parents and infants. 2022 , 229, 105256	
108	Simulating Visual Mechanisms by Sequential Spatial-Channel Attention for Image Quality Assessment. 2022 ,	O
107	A Fine-Grained Attention Model for High Accuracy Operational Robot Guidance. 2022, 1-1	0
106	A Novel Architectural Method for Producing Dynamic Gaze Behavior in Human-Robot Interactions. 2022 ,	o
105	Deep Saliency Prior for Reducing Visual Distraction. 2022,	0
104	Automatic Sample Segmentation & Detection of Parkinson Disease Using Synthetic Staining & Disease Using Synthetic Staining & Deep Learning.	O
103	Visual Attention to Novel Products © ross-Cultural Insights From Physiological Data. 13,	О
102	Towards Parallel Selective Attention Using Psychophysiological States as the Basis for Functional Cognition. 2022 , 22, 7002	O
101	Adaptation in auditory processing.	0
100	Active Vision in Sight Recovery Individuals with a History of Long-Lasting Congenital Blindness. 2022 , 9, ENEURO.0051-22.2022	o
99	A deep neural network model of the primate superior colliculus for emotion recognition. 2022, 377,	2
98	Pupillometric measures of altered stimulus-evoked locus coeruleus-norepinephrine activity explain attenuated social attention in preschoolers with autism spectrum disorder.	1
97	Predicting Product Preferences on Retailers (Web Shops through Measurement of Gaze and Pupil Size Dynamics. 2022 , 5, 45	О
96	A non-canonical retina-ipRGCs-SCN-PVT visual pathway for mediating contagious itch behavior. 2022 , 41, 111444	O
95	Emotion-aware Multi-view Contrastive Learning for Facial Emotion Recognition. 2022, 178-195	О
94	RadioTransformer: A Cascaded Global-Focal Transformer for Visual Attention Luided Disease Classification. 2022 , 679-698	1

93	Neural interactions in working memory explain decreased recall precision and similarity-based feature repulsion. 2022 , 12,	Ο
92	Efficient Transformer with Locally Shared Attention for Video Quality Assessment. 2022,	О
91	Green advertising is more environmentally friendly? The influence of advertising color on consumers[preferences for green products. 13,	0
90	Few-Shot Learning with Complex-Valued Neural Networks and Dependable Learning.	О
89	Explore Spatial and Channel Attention in Image Quality Assessment. 2022,	0
88	Potential of eye-tracking simulation software for analyzing landscape preferences. 2022 , 17, e0273519	2
87	Motivation by reward jointly improves speed and accuracy, whereas task-relevance and meaningful images do not.	Ο
86	What attention is. The priority structure account.	Ο
85	Visual stream connectivity predicts assessments of image quality. 2022 , 22, 4	0
84	Social attention: Developmental foundations and relevance for autism spectrum disorder. 2022,	1
83	Estimating forces from cross-sectional data in the wake of flows past a plate using theoretical and data-driven models. 2022 , 34, 111905	0
82	Medical image fusion based on quasi-cross bilateral filtering. 2023 , 80, 104259	1
81	Saliency Preserving Image Retargeting Using Probability Density. 2022,	О
80	FPGA Implementation of An Event-driven Saliency-based Selective Attention Model. 2022,	Ο
79	When information security depends on font size: how the saliency of warnings affects protection behavior. 1-22	0
78	Fluoxetine degrades luminance perceptual thresholds while enhancing motivation and reward sensitivity.	O
77	OTNet: A Small Object Detection Algorithm for Video Inspired by Avian Visual System. 2022 , 10, 4125	Ο
76	Landmark selection for route instructions: At which corner of an intersection is the preferred landmark located?. 4,	O

75	The effect of landmark visualization in mobile maps on brain activity during navigation: A virtual reality study. 3,	Ο
74	Influence of claustrum on cortex varies by area, layer, and cell type. 2022 ,	O
73	Gaze-contingent display technology can help to reduce the ipsilesional attention bias in hemispatial neglect following stroke. 2022 , 19,	0
72	A brain-inspired computational model for extremely few reference image quality assessment. 2022 , 102331	1
71	An Attention Residual U-Net with Differential Preprocessing and Geometric Postprocessing: Learning How to Segment Vasculature Including Intracranial Aneurysms. 2022 , 102697	0
70	Executive function and visual attention in sport: a systematic review. 1-34	O
69	Can colored sidewalk nudge city tourists to walk? An experimental study of the effect of nudges. 2023 , 95, 104683	0
68	A CNN-based no reference image quality metric exploiting content saliency. 2023 , 111, 116899	O
67	Getting to 30 GW by 2030: Visual preferences of coastal residents for offshore wind farms on the US East Coast. 2023 , 173, 113366	0
66	AMS-PAN: Breast ultrasound image segmentation model combining attention mechanism and multi-scale features. 2023 , 81, 104425	O
65	Implementation of a Reversible Watermarking Technique for Medical Images. 2022, 490-526	0
64	Aberrant visual salience in participants with schizophrenia during free-viewing of natural images.	O
63	Low-level factors increase gaze-guidance under cognitive load: A comparison of image-salience and semantic-salience models. 2022 , 17, e0277691	0
62	Learned feature regularities enable suppression of spatially overlapping stimuli.	O
61	Eye movement behavior in a real-world virtual reality task reveals ADHD in children. 2022, 12,	0
60	AWANet: Attentive-Aware Wide-Kernels Asymmetrical Network with Blended Contour Information for Salient Object Detection. 2022 , 22, 9667	O
59	Neuroimaging evidence for the direct role of auditory scene analysis in object perception.	0
58	Mapping attention across multiple media tasks. 1-25	О

57	Combined influence of valence and statistical learning on the control of attention II: Evidence from within-domain additivity.	O
56	Baseline Acute Myeloid Leukemia Prognosis Models using Transcriptomic and Clinical Profiles by Studying the Impacts of Dimensionality Reductions and Gene Signatures on Cox-Proportional Hazard.	O
55	Towards semiotically driven empirical studies of ballet as a communicative form. 2022, 9,	O
54	MATTE: Multi-task multi-scale attention. 2023 , 103622	O
53	Information theory. 2001 , 490-519	О
52	Copyright Page. 2001 , iv-iv	O
51	Introduction to linear algebra for neural networks. 2001 , 477-489	O
50	Preface. 2001 , v-viii	O
49	Graphs versus numbers: How information format affects risk aversion in gambling. 2016 , 11, 223-242	1
48	It's time for attentional control: Temporal expectation in the attentional blink. 2023, 107, 103461	O
47	Brain-inspired Intelligent Robotics: Theoretical Analysis and Systematic Application. 2023, 20, 1-18	О
46	Pre-saccadic attention relies more on suppression than does covert attention. 2023 , 23, 1	O
45	Evaluation method of fabric pilling grades based on saliency-based deep convolutional network. 0040517	52211⁄496
44	Leveraging explainability for understanding object descriptions in ambiguous 3D environments. 9,	O
43	Learning affects top down and bottom up modulation of eye movements in decision making. 2013 , 8, 700-716	4
42	Top-down knowledge surpasses selection history in influencing attentional guidance.	O
41	Cognitive and neural bases of salience-driven incidental learning.	O
40	Extracting probability in the absence of visual awareness.	O

39	Fundamentals of neuroscience for mind mapping. 2023 , 87-115	О
38	Understanding Deep Learning Techniques for Recognition of Human Emotions using Facial Expressions: A Comprehensive Survey. 2023 , 1-1	O
37	Omnidirectional video saliency. 2023 , 123-158	О
36	Saliency Detection from Subitizing Processing.	O
35	Evidence for top-down suppression of negative features in the target feature dimension. 2023 , 235, 105415	O
34	Cyberinfrastructure for sourcing and processing ecological data. 2023 , 75, 102039	O
33	Hierarchy of Intra- and Cross-modal Redundancy Gains in Visuo-tactile Search: Evidence from the Posterior Contralateral Negativity. 2023 , 35, 543-570	0
32	A New Design of VQA System based on Weighted Contextual Features. 2022,	О
31	Fast discrimination of fragmentary images: the role of local optimal information. 17,	O
30	Attention-based Feature Fusion for Reconstructing Gene-Regulatory Interactions. 2022,	O
29	Sensory salience processing moderates attenuated gazes on faces in autism spectrum disorder: a caseflontrol study. 2023 , 14,	0
28	Automatic and controlled attentional orienting toward emotional faces in patients with Parkinson disease. 2023 , 23, 371-382	O
27	Motor Daziness Constrains fixation selection in real-world tasks.	О
26	Stimulus novelty uncovers coding diversity in visual cortical circuits.	O
25	Saliency Map Estimation Using a Pixel-Pairwise-Based Unsupervised Markov Random Field Model. 2023 , 11, 986	O
24	Stimulus salience conflicts and colludes with endogenous goals during urgent choices. 2023 , 26, 106253	O
23	Efficient quantization of painting images by relevant colors. 2023 , 13,	0
22	No evidence for spatial suppression due to across-trial distractor learning in visual search.	O

21	PCNN Model Guided by Saliency Mechanism for Image Fusion in Transform Domain. 2023 , 23, 2488	О
20	Omit needless words: Sentence length perception. 2023 , 18, e0282146	O
19	AttentionMNIST: a mouse-click attention tracking dataset for handwritten numeral and alphabet recognition. 2023 , 13,	О
18	A Deep Model of Visual Attention for Saliency Detection on 3D Objects.	O
17	Visual Mechanisms Inspired Efficient Transformers for Image and Video Quality Assessment. 2023 , 455-473	O
16	The Role of Eco-Labels in Making Environmentally Friendly Choices: An Eye-Tracking Study on Aquaculture Products with Italian Consumers. 2023 , 15, 4659	1
15	Statistical Learning Within Objects. 2023 , 34, 501-511	0
14	Objects guide human gaze behavior in dynamic real-world scenes.	O
13	The Electrophysiological Markers of Statistically Learned Attentional Enhancement: Evidence for a Saliency Based Mechanism.	О
12	Patch-Range Attention and Visual Transformer for Facial Expression Recognition. 2022,	O
11	Early detection of cognitive decline in Alzheimer⊠ disease using eye tracking. 15,	O
10	Gaze patterns reflect and predict expertise in dynamic echocardiographic imaging. 2023, 10,	O
9	The influence of scene tilt on saccade directions is amplitude dependent. 2023, 448, 120635	О
8	Speakers prioritise affordance-based object semantics in scene descriptions. 1-23	O
7	Feature-specific salience maps in human cortex.	O
6	????????????????. 2022 , 51, 20220060	O
5	Consumer neuroscience on branding and packaging: A review and future research agenda.	О
4	How scene encoding affects memory discrimination: Analysing eye movements data using data driven methods. 1-17	O

3 The Architecture of Object-Based Attention.

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- Peripheral and central sensation: multisensory orienting and recognition across species. **2023**,
- О

Stochastic reconstruction of porous media based on attention mechanisms and multi-stage generative adversarial network. **2023**, 27, 515-536

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