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Visual saliency estimation by nonlinearly integrating features using region covariances

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#	Paper	IF	Citations
290	Visual Attention-Driven Spatial Pooling for Image Memorability. 2013,		22
289	Analysis of Scores, Datasets, and Models in Visual Saliency Prediction. 2013,		100
288	Saliency detection using sparse and nonlinear feature representation. 2014, 2014, 137349		1
287	A scalable and efficient method for salient region detection using sampled template collation. 2014,		5
286	Robust metric for the evaluation of visual saliency algorithms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 532-40	1.8	1
285	What do saliency models predict?. <i>Journal of Vision</i> , 2014, 14, 14	0.4	84
284	Large-Scale Optimization of Hierarchical Features for Saliency Prediction in Natural Images. 2014,		198
283	Face recognition based on SIGMA sets of image features. 2014,		2
282	Markov chain based computational visual attention model that learns from eye tracking data. 2014, 49, 1-10		7
281	Degree of loop assessment in microvideo. 2014,		6
280	Saliency detection using parallel non-linear integration of color and gradient using covariances. 2014,		0
279	Saliency location based on color contrast. 2014,		
278	Exploration strategies for incremental learning of object-based visual saliency. 2015,		5
277	Generic Promotion of Diffusion-Based Salient Object Detection. 2015,		30
276	Learning to Predict Saliency on Face Images. 2015,		16
275	Quality assessment for out-of-focus blurred images. 2015,		1
274	Information set based approach for salient object detection. 2015,		

273	Stored object knowledge and the production of referring expressions: the case of color typicality. 2015 , 6, 935		15
272	Giving Good Directions: Order of Mention Reflects Visual Saliency. 2015 , 6, 1793		9
271	Light field saliency vs. 2D saliency: A comparative study. <i>Neurocomputing</i> , 2015 , 166, 389-396	5.4	11
270	Cauchy Graph Embedding Optimization for Built-Up Areas Detection From High-Resolution Remote Sensing Images. 2015 , 8, 2078-2096		28
269	Transductive video co-segmentation on the temporal trees. 2015 ,		
268	A hierarchical saliency detection approach for bokeh images. 2015 ,		
267	CT image quality evaluation for detection of signals with unknown location, size, contrast and shape using unsupervised methods. 2015 ,		1
266	Robust face recognition based on saliency maps of sigma sets. 2015 ,		2
265	Effective Information and Contrast Based Saliency Detection. <i>Lecture Notes in Computer Science</i> , 2015 , 195-204	0.9	
264	A Data-Driven Metric for Comprehensive Evaluation of Saliency Models. 2015 ,		19
263	Divergence Filter for Saliency. 2015 ,		
262	SALICON: Reducing the Semantic Gap in Saliency Prediction by Adapting Deep Neural Networks. 2015 ,		245
261	Information-theoretic model comparison unifies saliency metrics. 2015 , 112, 16054-9		81
260	A Study of the Region Covariance Descriptor: Impact of Feature Selection and Image Transformations. 2015 ,		4
259	Fused methods for visual saliency estimation. 2015 ,		1
258	Built-Up Area Detection From Satellite Images Using Multikernel Learning, Multifield Integrating, and Multihypothesis Voting. 2015 , 12, 1190-1194		11
257	On computational modeling of visual saliency: Examining what's right, and what's left. 2015 , 116, 95-112		47
256	Predicting eye fixations with higher-level visual features. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1178-89	8.7	16

255	Kernel regression in mixed feature spaces for spatio-temporal saliency detection. 2015 , 135, 126-140		23
254	What is a salient object? A dataset and a baseline model for salient object detection. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 742-56	8.7	105
253	Better together: Fusing visual saliency methods for retrieving perceptually-similar images. 2015 ,		2
252	A depth perception and visual comfort guided computational model for stereoscopic 3D visual saliency. <i>Signal Processing: Image Communication</i> , 2015 , 38, 57-69	2.8	29
251	Salient Object Detection: A Benchmark. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5706-22	8.7	807
250	Predicting memorability of images using attention-driven spatial pooling and image semantics. <i>Image and Vision Computing</i> , 2015 , 42, 35-46	3.7	10
249	Influence of Spatial Resolution on State-of-the-Art Saliency Models. <i>Lecture Notes in Computer Science</i> , 2015 , 74-83	0.9	
248	Salient Region Detection Using Patch Level and Region Level Image Abstractions. 2015 , 22, 686-690		9
247	Modeling Bottom-Up Visual Attention Using Dihedral Group D4. 2016 , 8, 79		2
246	Learning to Model Task-Oriented Attention. 2016 , 2016, 2381451		
245	Scene-Level Geographic Image Classification Based on a Covariance Descriptor Using Supervised Collaborative Kernel Coding. 2016 , 16,		4
244	A Novel GBM Saliency Detection Model Using Multi-Channel MRI. <i>PLoS ONE</i> , 2016 , 11, e0146388	3.7	28
243	Bottom-Up Saliency Models for Still Images: A Practical Review. <i>Springer Series in Cognitive and Neural Systems</i> , 2016 , 141-175	0.3	0
242	Classification of Alzheimer's disease in MRI using visual saliency information. 2016 ,		4
241	Spatially Binned ROC: A Comprehensive Saliency Metric. 2016 ,		4
240	Performance Evaluation of Bottom-Up Saliency Models for Object Proposal Generation. 2016 ,		
239	Visual attention quality database for benchmarking performance evaluation metrics. 2016 ,		
238	Investigation of mobile surroundings for visual attention based on image perception model. 2016 ,		0

237	Interpretation II Complete Session. 2016,		
236	Spatio-Temporal Modeling and Prediction of Visual Attention in Graphical User Interfaces. 2016,		17
235	Airplane tire inspection by image processing techniques. 2016,		2
234	User, metric, and computational evaluation of foveated rendering methods. 2016,		35
233	Anomaly Detection and Activity Perception Using Covariance Descriptor for Trajectories. <i>Lecture Notes in Computer Science</i> , 2016 , 728-742	0.9	11
232	Visual Attention-Based Image Watermarking. <i>IEEE Access</i> , 2016 , 4, 8002-8018	3.5	31
231	Fault detection using seismic attributes and visual saliency. 2016,		0
230	Visual salience and priority estimation for locomotion using a deep convolutional neural network. 2016,		2
229	Salient regions detection using background superpixels. 2016,		1
228	Towards Fixation Prediction: A Nonparametric Estimation-Based Approach through Key-Points. 2016,		
227	Environment exploration for object-based visual saliency learning. 2016,		30
226	A Locally Weighted Fixation Density-Based Metric for Assessing the Quality of Visual Saliency Predictions. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3852-61	8.7	4
225	Visual saliency detection using information contents weighting. 2016 , 127, 7418-7430		14
224	Evaluation of visual saliency analysis algorithms in noisy images. 2016 , 27, 915-927		5
223	A Novel Saliency Prediction Method Based on Fast Radial Symmetry Transform and Its Generalization. 2016 , 8, 693-702		4
222	Predicting visual attention using gamma kernels. 2016,		2
221	Hierarchical image enhancement. 2016 , 76, 704-709		2
220	Kernel sparse coding method for automatic target recognition in infrared imagery using covariance descriptor. 2016 , 76, 740-747		3

219	Measuring Visual Surprise Jointly from Intrinsic and Extrinsic Contexts for Image Saliency Estimation. 2016 , 120, 44-60		8
218	An object-based visual selection framework. <i>Neurocomputing</i> , 2016 , 180, 35-54	5.4	2
217	Visual saliency detection: From space to frequency. <i>Signal Processing: Image Communication</i> , 2016 , 44, 57-68	2.8	8
216	Exploiting Surroundedness for Saliency Detection: A Boolean Map Approach. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 889-902	13.3	142
215	Bottom-Up Visual Saliency Estimation With Deep Autoencoder-Based Sparse Reconstruction. 2016 , 27, 1227-40		43
214	An optical information processing-based idea for visual attention analysis. 2016 , 127, 3556-3559		
213	Spatiochromatic Context Modeling for Color Saliency Analysis. 2016 , 27, 1177-89		28
212	Salient object detection using color spatial distribution and minimum spanning tree weight. <i>Multimedia Tools and Applications</i> , 2016 , 75, 6963-6978	2.5	6
211	Transductive Video Segmentation on Tree-Structured Model. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 992-1005	6.4	7
210	An evolutionary learning based fuzzy theoretic approach for salient object detection. 2017 , 33, 665-685		8
209	Learning Discriminative Subspaces on Random Contrasts for Image Saliency Analysis. 2017 , 28, 1095-1108		50
208	Remote sensing image classification using extreme learning machine-guided collaborative coding. 2017 , 28, 835-850		
207	Reference Production as Search: The Impact of Domain Size on the Production of Distinguishing Descriptions. 2017 , 41 Suppl 6, 1457-1492		14
206	Building Regional Covariance Descriptors for Vehicle Detection. 2017 , 14, 524-528		4
205	Attention region detection based on closure prior in layered bit Planes. <i>Neurocomputing</i> , 2017 , 251, 16-254		9
204	A global and local consistent ranking model for image saliency computation. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 46, 199-207	2.7	6
203	Avian eye-inspired visual attention approach to UAV target detection. 2017 , 130, 1205-1213		1
202	Saliency Detection via A Graph Based Diffusion Model. <i>Lecture Notes in Computer Science</i> , 2017 , 3-12	0.9	4

201	Depth-Aware Salient Object Detection and Segmentation via Multiscale Discriminative Saliency Fusion and Bootstrap Learning. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4204-4216	8.7	131
200	DeepFix: A Fully Convolutional Neural Network for Predicting Human Eye Fixations. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4446-4456	8.7	207
199	Saliency Detection of Stereoscopic 3D Images with Application to Visual Discomfort Prediction. 2017 , 8, 1		2
198	Learning-Based Saliency Detection of Face Images. <i>IEEE Access</i> , 2017 , 5, 6502-6514	3.5	5
197	Quality assessment for real out-of-focus blurred images. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 46, 70-80	2.7	22
196	Exploiting inter-image similarity and ensemble of extreme learners for fixation prediction using deep features. <i>Neurocomputing</i> , 2017 , 244, 10-18	5.4	38
195	Two-stage sparse coding of region covariance via Log-Euclidean kernels to detect saliency. 2017 , 89, 84-96		2
194	Infrared image super-resolution via transformed self-similarity. 2017 , 81, 89-96		1
193	A learning-based visual saliency prediction model for stereoscopic 3D video (LBVS-3D). <i>Multimedia Tools and Applications</i> , 2017 , 76, 23859-23890	2.5	15
192	Fixation Prediction through Multimodal Analysis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2017 , 13, 1-23	3.4	29
191	Merging fixation for saliency detection in a multilayer graph. <i>Neurocomputing</i> , 2017 , 230, 173-183	5.4	6
190	Pixel-based airplanes segmentation in remote sensing image. 2017 ,		0
189	Time series classification using point-wise features. 2017 ,		1
188	Full Reference Quality Assessment for Image Retargeting Based on Natural Scene Statistics Modeling and Bi-Directional Saliency Similarity. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5138-5148	8.7	28
187	Visual attention analysis and prediction on human faces. 2017 , 420, 417-430		23
186	Reprint of "Two-stage sparse coding of region covariance via Log-Euclidean kernels to detect saliency". 2017 , 92, 47-59		1
185	Combining multi-layer integration algorithm with background prior and label propagation for saliency detection. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 48, 110-121	2.7	7
184	Small target detection combining regional stability and saliency in a color image. <i>Multimedia Tools and Applications</i> , 2017 , 76, 14781-14798	2.5	19

183	Weather Radar Spatiotemporal Saliency: A First Look at an Information TheoryBased Human Attention Model Adapted to Reflectivity Images. 2017 , 34, 137-152		2
182	Mobile-cloud assisted framework for selective encryption of medical images with steganography for resource-constrained devices. <i>Multimedia Tools and Applications</i> , 2017 , 76, 3519-3536	2.5	41
181	Two Birds With One Stone: A Unified Approach to Saliency and Co-Saliency Detection via Multi-Instance Learning. <i>IEEE Access</i> , 2017 , 5, 23519-23531	3.5	5
180	Beyond Saliency. 2017 ,		3
179	Image Visual Saliency Feature Extraction Based on Multi-Scale Tensor Space. 2017 ,		
178	The OUC-vision large-scale underwater image database. 2017 ,		20
177	Understanding Low- and High-Level Contributions to Fixation Prediction. 2017 ,		106
176	Novel evaluation metrics for seam carving based image retargeting. 2017 ,		2
175	. 2017 ,		2
174	Saliency Revisited: Analysis of Mouse Movements Versus Fixations. 2017 ,		12
173	Salient object detection using array images. 2017 ,		1
172	Learning Multiscale Deep Features and SVM Regressors for Adaptive RGB-T Saliency Detection. 2017 ,		10
171	Image Classification Based on Convolutional Denoising Sparse Autoencoder. 2017 , 2017, 1-16		5
170	Age-adapted saliency model with depth bias. 2017 ,		3
169	Fixation Prediction and Visual Priority Maps for Biped Locomotion. 2018 , 48, 2294-2306		4
168	Integrating QDWD with pattern distinctness and local contrast for underwater saliency detection. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 53, 31-41	2.7	51
167	Image Saliency in Geometric Aesthetic Aspect. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 495-505		
166	Saliency detection via bi-directional propagation. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 53, 113-121	2.7	3

165	Development and utilization of a disgusting image dataset to understand and predict visual disgust. <i>Image and Vision Computing</i> , 2018 , 72, 24-38	3.7	0
164	Salient object detection based on Laplacian similarity metrics. 2018 , 34, 645-658		4
163	Early biological vision inspired system for saliency computation in images. 2018 , 29, 137-184		1
162	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 379-391	6.6	62
161	Attentive Systems: A Survey. 2018 , 126, 86-110		39
160	Automated 3D segmentation of brain tumor using visual saliency. 2018 , 424, 337-353		25
159	Time series classification with feature covariance matrices. 2018 , 55, 695-718		5
158	Saliency Detection via Background Seeds by Object Proposals. 2018 ,		
157	Saliency detection based on background seeds by object proposals and extended random walk. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 202-211	2.7	13
156	Multi-scale Cooperative Ranking for Saliency Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 574-585.9		
155	Object Detection in Foggy Conditions by Fusion of Saliency Map and YOLO. 2018 ,		7
154	Research on Visual Saliency Model Based on CovSal Algorithm and Histogram Contrast. 2018 ,		
153	Signboard Saliency Detection in Street Videos. 2018 ,		1
152	Saliency Detection via Multi-view Synchronized Manifold Ranking. <i>Lecture Notes in Computer Science</i> , 2018 , 473-483	0.9	
151	An Efficient Multi-Scale Local Binary Fitting-Based Level Set Method for Inhomogeneous Image Segmentation. 2018 , 2018, 1-17		
150	Saliency detection based on directional patches extraction and principal local color contrast. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 1-11	2.7	36
149	Saliency map based analysis for prediction of car driving difficulty in Google street view scenes. 2018 ,		1
148	Predicting Human Eye Fixations via an LSTM-based Saliency Attentive Model. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	226

147	Performance Comparison of Saliency Detection. 2018 , 2018, 1-13		4
146	A novel superpixel-based saliency detection model for 360-degree images. <i>Signal Processing: Image Communication</i> , 2018 , 69, 1-7	2.8	20
145	Superpixel-Based Feature for Aerial Image Scene Recognition. 2018 , 18,		10
144	Saliency detection via a multi-layer graph based diffusion model. <i>Neurocomputing</i> , 2018 , 314, 215-223	5.4	8
143	Detection of small ship targets from an optical remote sensing image. 2018 , 11, 275-284		3
142	A Bottom-Up Saliency-Based Segmentation for High-Resolution Satellite Images. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 169-180	0.4	1
141	Task Specific Visual Saliency Prediction with Memory Augmented Conditional Generative Adversarial Networks. 2018 ,		16
140	Exploiting Color Volume and Color Difference for Salient Region Detection. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 6-16	8.7	49
139	Assessment of feature fusion strategies in visual attention mechanism for saliency detection. 2019 , 127, 37-47		7
138	Personalized Saliency and Its Prediction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2975-2989	13.3	12
137	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 98-113	6.6	6
136	Multi-Layer Abstraction Saliency for Airport Detection in SAR Images. 2019 , 57, 9820-9831		6
135	Visual Saliency Prediction Based on Deep Learning. <i>Information (Switzerland)</i> , 2019 , 10, 257	2.6	5
134	Visual Attention Modeling for Autism Spectrum Disorder by Semantic Features. 2019 ,		5
133	The Changing Landscape: High-Level Influences on Eye Movement Guidance in Scenes. 2019 , 3,		15
132	Broad Area Target Search System for Ship Detection via Deep Convolutional Neural Network. <i>Remote Sensing</i> , 2019 , 11, 1965	5	7
131	Video salient region detection model based on wavelet transform and feature comparison. 2019 , 2019,		4
130	The Influence of Different Saliency on Full-Reference Sonar Image Quality Evaluation. 2019 , 569, 052093		1

129	Salient Object Detection Integrating Both Background and Foreground Information Based on Manifold Preserving. <i>IEEE Access</i> , 2019 , 7, 126831-126841	3.5	
128	Extremely Optimized DRLSE Method and Its Application to Image Segmentation. <i>IEEE Access</i> , 2019 , 7, 119603-119619	3.5	2
127	Boolean Map Saliency: A Surprisingly Simple Method. 2019 , 11-31		
126	Exploring to learn visual saliency: The RL-IAC approach. 2019 , 112, 244-259		3
125	A Convolutional Encoder-Decoder Network With Skip Connections for Saliency Prediction. <i>IEEE Access</i> , 2019 , 7, 60428-60438	3.5	8
124	Underwater Object Segmentation Integrating Transmission and Saliency Features. <i>IEEE Access</i> , 2019 , 7, 72420-72430	3.5	4
123	Quality-aware dual-modal saliency detection via deep reinforcement learning. <i>Signal Processing: Image Communication</i> , 2019 , 75, 158-167	2.8	5
122	Spatial-Temporal Visual Attention Model for Video Quality Assessment. 2019 ,		1
121	M3S-NIR: Multi-modal Multi-scale Noise-Insensitive Ranking for RGB-T Saliency Detection. 2019 ,		23
120	Robust Image Watermarking Based on Two-Layer Visual Saliency-Induced JND Profile. <i>IEEE Access</i> , 2019 , 7, 39826-39841	3.5	10
119	The extended marine underwater environment database and baseline evaluations. 2019 , 80, 425-437		30
118	Implicit Calibration Using Probable Fixation Targets. 2019 , 19,		1
117	Fabric defect detection based on saliency histogram features. 2019 , 35, 517-534		26
116	FqSD: Full-Quaternion Saliency Detection in Images. <i>Lecture Notes in Computer Science</i> , 2019 , 462-469	0.9	
115	. 2019 , 16, 271-275		3
114	Visual Saliency Based Ship Extraction Using Improved Bing. 2019 ,		1
113	A Saliency Detection Method via Color Contradistinction and Background Similarity. 2019 ,		
112	Saliency Detection via Topological Feature Modulated Deep Learning. 2019 ,		4

111	Salient object detection of dairy goats in farm image based on background and foreground priors. <i>Neurocomputing</i> , 2019 , 332, 270-282	5.4	6
110	Robust pixelwise saliency detection via progressive graph rankings. <i>Neurocomputing</i> , 2019 , 329, 433-446	5.4	7
109	What Do Different Evaluation Metrics Tell Us About Saliency Models?. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 740-757	13.3	200
108	BioVision: A Biomimetics Platform for Intrinsically Motivated Visual Saliency Learning. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 347-362	3	1
107	DeepFeat: A Bottom-Up and Top-Down Saliency Model Based on Deep Features of Convolutional Neural Networks. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020 , 12, 54-63	3	10
106	Saliency bagging: a novel framework for robust salient object detection. 2020 , 36, 1423-1441		3
105	Saliency Boosting: a novel framework to refine salient object detection. 2020 , 53, 3731-3772		2
104	Learning to Draw Sight Lines. 2020 , 128, 1076-1100		3
103	Exploiting color name space for salient object detection. <i>Multimedia Tools and Applications</i> , 2020 , 79, 10873-10897	2.5	2
102	Super Diffusion for Salient Object Detection. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	5
101	On Matching Finger-Selfies Using Deep Scattering Networks. 2020 , 2, 350-362		6
100	Visual fixation prediction with incomplete attention map based on brain storm optimization. 2020 , 96, 106653		5
99	Cross-Domain Visual Attention Model Adaption with One-Shot GAN. 2020 ,		
98	EML-NET: An Expandable Multi-Layer NETwork for saliency prediction. <i>Image and Vision Computing</i> , 2020 , 95, 103887	3.7	28
97	. 2020 ,		2
96	A hybrid approach using color spatial variance and novel object position prior for salient object detection. <i>Multimedia Tools and Applications</i> , 2020 , 79, 30045-30067	2.5	1
95	Deep Learning VS. Traditional Algorithms for Saliency Prediction of Distorted Images. 2020 ,		0
94	Hdr Image Saliency Estimation By Convex Optimization. 2020 ,		

93	Analysis on Saliency Estimation Methods in High-Resolution Optical Remote Sensing Imagery for Multi-Scale Ship Detection. <i>IEEE Access</i> , 2020 , 8, 194485-194496	3.5	3
92	Multi-Exposure Decomposition-Fusion Model for High Dynamic Range Image Saliency Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 4409-4420	6.4	5
91	Saliency detection via multiple-morphological and superpixel based fast fuzzy C-mean clustering network. 2020 , 161, 113654		8
90	Saliency detection via image sparse representation and color features combination. <i>Multimedia Tools and Applications</i> , 2020 , 79, 23147-23159	2.5	4
89	A novel attention-guided JND Model for improving robust image watermarking. <i>Multimedia Tools and Applications</i> , 2020 , 79, 24057-24073	2.5	6
88	How is Gaze Influenced by Image Transformations? Dataset and Model. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	24
87	Exploiting Surroundedness and Superpixel cues for salient region detection. <i>Multimedia Tools and Applications</i> , 2020 , 79, 10935-10951	2.5	
86	A brief survey of visual saliency detection. <i>Multimedia Tools and Applications</i> , 2020 , 79, 34605-34645	2.5	13
85	CascNet: No-reference saliency quality assessment with cascaded applicability sorting and comparing network. <i>Neurocomputing</i> , 2021 , 425, 231-242	5.4	2
84	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 748-760	6.6	10
83	Fixation data analysis for complex high-resolution satellite images*. <i>Geocarto International</i> , 2021 , 36, 698-719	2.7	
82	Annotation of images using local binary pattern and local derivative pattern after salient object detection using minimum directional contrast and gradient vector flow. <i>Signal, Image and Video Processing</i> , 2021 , 15, 861-869	1.6	0
81	Predicting atypical visual saliency for autism spectrum disorder via scale-adaptive inception module and discriminative region enhancement loss. <i>Neurocomputing</i> , 2021 , 453, 610-622	5.4	3
80	The Use of Saliency in Underwater Computer Vision: A Review. <i>Remote Sensing</i> , 2021 , 13, 22	5	5
79	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 2757-2769	6.6	2
78	Computational attention model for children, adults and the elderly. <i>Multimedia Tools and Applications</i> , 2021 , 80, 1055-1074	2.5	
77	Deep Cognitive Gate: Resembling Human Cognition for Saliency Detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	
76	A Skill-Based Visual Attention Model for Cloud Gaming. <i>IEEE Access</i> , 2021 , 9, 12332-12347	3.5	0

75	Saliency detection via cross-scale deep inference. <i>Journal of Visual Communication and Image Representation</i> , 2021 , 75, 103031	2.7	1
74	Cross-modal learning for saliency prediction in mobile environment. 2021 ,		
73	Secured Digital Watermarking Technique and FPGA Implementation. 41-67		0
72	Visual attention prediction for Autism Spectrum Disorder with hierarchical semantic fusion. <i>Signal Processing: Image Communication</i> , 2021 , 93, 116186	2.8	0
71	A fast method for monitoring molten pool in infrared image streams using gravitational superpixels.. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	3
70	Can consumers' visual attention be predictable? A saliency modelling-based approach on fashion advertisements. <i>International Journal of Fashion Design, Technology and Education</i> , 2021 , 14, 253-262	1.1	
69	Two-stage salient object identification and segmentation based on irregularity. <i>Multimedia Tools and Applications</i> , 1	2.5	1
68	SCGAN: Saliency Map-Guided Colorization With Generative Adversarial Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3062-3077	6.4	7
67	Semantic meaning modulates object importance in human fixation prediction. <i>Journal of Visual Communication and Image Representation</i> , 2021 , 79, 103206	2.7	
66	Detecting Salient Image Objects Using Color Histogram Clustering for Region Granularity. <i>Journal of Imaging</i> , 2021 , 7,	3.1	1
65	Activity guided multi-scales collaboration based on scaled-CNN for saliency prediction. <i>Image and Vision Computing</i> , 2021 , 114, 104267	3.7	2
64	Video saliency prediction via spatio-temporal reasoning. <i>Neurocomputing</i> , 2021 , 462, 59-68	5.4	2
63	Infrared dim target detection via mode-k1k2 extension tensor tubal rank under complex ocean environment. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 181, 167-190	11.8	10
62	Visual Security Assessment via Saliency-Weighted Structure and Orientation Similarity for Selective Encrypted Images. <i>Security and Communication Networks</i> , 2021 , 2021, 1-16	1.9	
61	COTS: A Multipurpose RGB-D Dataset for Saliency and Image Manipulation Applications. <i>IEEE Access</i> , 2021 , 9, 21481-21497	3.5	2
60	Classifying Eye-Tracking Data Using Saliency Maps. 2021 ,		
59	Indoor Scene Simplification for Safe Navigation Using Saliency Map for the Benefit of Visually Impaired People. <i>Smart Sensors, Measurement and Instrumentation</i> , 2021 , 201-223	0.3	
58	CHELM: Convex Hull based Extreme Learning Machine for salient object detection. <i>Multimedia Tools and Applications</i> , 2021 , 80, 13535-13558	2.5	1

57	Bottom-Up Visual Attention for Still Images: A Global View. <i>Springer Series in Cognitive and Neural Systems</i> , 2016 , 123-140	0.3	2
56	Predicting Driver Attention in Critical Situations. <i>Lecture Notes in Computer Science</i> , 2019 , 658-674	0.9	12
55	On the Saliency of Adversarial Examples. <i>Lecture Notes in Computer Science</i> , 2019 , 221-232	0.9	1
54	ConceptMap: Mining Noisy Web Data for Concept Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 439-455	0.9	9
53	Displays for Effective Human-Agent Teaming: Evaluating Attention Management with Computational Models. <i>Lecture Notes in Computer Science</i> , 2015 , 216-227	0.9	2
52	A Task-Driven Eye Tracking Dataset for Visual Attention Analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 637-648	0.9	3
51	RGB-T Saliency Detection Benchmark: Dataset, Baselines, Analysis and a Novel Approach. <i>Communications in Computer and Information Science</i> , 2018 , 359-369	0.3	30
50	A new graph ranking model for image saliency detection problem. 2017 ,		4
49	Evaluation of bottom-up saliency model using deep features pretrained by deep convolutional neural networks. <i>Journal of Electronic Imaging</i> , 2019 , 28, 1	0.7	1
48	Cauchy graph embedding based diffusion model for salient object detection. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016 , 33, 887-98	1.8	4
47	Volumetric brain tumour detection from MRI using visual saliency. <i>PLoS ONE</i> , 2017 , 12, e0187209	3.7	10
46	Gaze distribution analysis and saliency prediction across age groups. <i>PLoS ONE</i> , 2018 , 13, e0193149	3.7	6
45	RETRIEVAL OF COMPLEX IMAGES USING VISUAL SALIENCY GUIDED COGNITIVE CLASSIFICATION. <i>Journal of Innovative Image Processing</i> , 2020 , 2, 102-109	5.8	19
44	Scene Perception. 2021 ,		0
43	Application of RT-middleware to Computational Modelling of the Brain System. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2016 , 52, 264-275	0.1	
42	Technical Program in full - Part I (ACQ 1 - PS P1). 2016 ,		
41	Saliency Detection via Combining Global Shape and Local Cue Estimation. <i>Lecture Notes in Computer Science</i> , 2017 , 325-334	0.9	
40	Vision Saliency Feature Extraction Based on Multi-scale Tensor Region Covariance. <i>Lecture Notes in Computer Science</i> , 2017 , 185-197	0.9	

39	Salient Object Detection via Google Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2017 , 97-107	0.9	
38	Saliency-Based Optimization for the Histogram of Oriented Gradients-Based Detection Methods. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 148-158	0.4	
37	Modelling saliency attention to predict eye direction by topological structure and earth mover's distance. <i>PLoS ONE</i> , 2017 , 12, e0181543	3.7	0
36	Object detection from images obtained through underwater turbulence medium. 2017 ,		0
35	Layout-Driven Top-Down Saliency Detection for Webpage. <i>Lecture Notes in Computer Science</i> , 2018 , 438-446	4.9	
34	A Randomized Framework for Estimating Image Saliency Through Sparse Signal Reconstruction. <i>International Journal of Multimedia Data Engineering and Management</i> , 2018 , 9, 1-20	0.6	
33	Comparing salience detection algorithms in mammograms. 2018 ,		
32	Saliency detection via PageRank and local spline regression. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	0
31	Salient Object Detection based on Bayesian Surprise of Restricted Boltzmann Machine. 2018 ,		1
30	Enhanced Saliency Prediction via Free Energy Principle. <i>Communications in Computer and Information Science</i> , 2019 , 31-44	0.3	
29	Multi-visual Tasks Based on Night-Vision Data Structure and Feature Analysis. 2019 , 45-85		
28	A Study on Monitoring Coastal Areas for Having a Better Underwater Surveillance Perspective. <i>Algorithms for Intelligent Systems</i> , 2020 , 163-174	0.5	
27	Detecting Protuberant Saliency from a Depth Image. 2019 ,		
26	Performance Comparison of Saliency Detection Methods for Food Region Extraction. 2020 ,		1
25	Visual attention method based on vertex ranking of graphs by heterogeneous image attributes. <i>Computer Optics</i> , 2020 , 44, 427-435	1.4	0
24	RGB-T Saliency Detection via Robust Graph Learning and Collaborative Manifold Ranking. <i>Communications in Computer and Information Science</i> , 2020 , 670-684	0.3	0
23	Smart Solution to Detect Images in Limited Visibility Conditions Based Convolutional Neural Networks. <i>Communications in Computer and Information Science</i> , 2020 , 641-650	0.3	2
22	Intuition Learning. 2020 , 111-127		

21	Design, Analysis, and Implementation of Efficient Framework for Image Annotation. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-24	3.4	0
20	SalFBNNet: Learning pseudo-saliency distribution via feedback convolutional networks. <i>Image and Vision Computing</i> , 2022 , 120, 104395	3.7	2
19	Learning Static-Adaptive Graphs for RGB-T Image Saliency Detection. <i>Information (Switzerland)</i> , 2022 , 13, 84	2.6	
18	Humans represent the precision and utility of information acquired across fixations.. <i>Scientific Reports</i> , 2022 , 12, 2411	4.9	0
17	Personalized saliency prediction using color spaces. <i>Multimedia Tools and Applications</i> ,	2.5	
16	Salient Objects in Clutter.. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022 , PP,	13.3	0
15	Memorability Based No-Reference Quality Assessment for Multiply-Distorted Images. <i>Communications in Computer and Information Science</i> , 2022 , 151-163	0.3	
14	Defect detection in the textile industry using image-based machine learning methods: a brief review. <i>Journal of Physics: Conference Series</i> , 2022 , 2224, 012010	0.3	1
13	TranSalNet: Towards perceptually relevant visual saliency prediction. <i>Neurocomputing</i> , 2022 , 494, 455-467	4.74	0
12	Multiscale Brain-Like Neural Network for Saliency Prediction on Omnidirectional Images. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022 , 14, 507-518	3	
11	SST-Sal: A spherical spatio-temporal approach for saliency prediction in 360° videos. <i>Computers and Graphics</i> , 2022 ,	1.8	1
10	Ship Detection in Visible Remote Sensing Image Based on Saliency Extraction and Modified Channel Features. <i>Remote Sensing</i> , 2022 , 14, 3347	5	0
9	FGO-Net: Feature and Gaussian Optimization Network for visual saliency prediction. <i>Applied Intelligence</i> ,	4.9	
8	DenseASPP Enriched Residual Network Towards Visual Saliency Prediction. 2022 , 85-96		
7	Learning based versus heuristic based: A comparative analysis of visual saliency prediction in immersive virtual reality.		
6	Visual Attention-Based Optic Disc Detection System Using Machine Learning Algorithms. 2022 , 317-326		0
5	Using a Saliency-Driven Convolutional Neural Network Framework for Brain Tumor Detection. 2022 ,		0
4	Saliency in Augmented Reality. 2022 ,		2

- 3 Deep Attentive Skip Connection Model and Gaussian Priors based Visual Saliency Prediction. **2022,** ○
- 2 Visual saliency detection via invariant feature constrained stacked denoising autoencoder. ○
- 1 Biological Eagle-eye Inspired Target Detection for Unmanned Aerial Vehicles Equipped with a Manipulator. ○