

Context-Aware Saliency Detection

IEEE Transactions on Pattern Analysis and Machine Intelligence
34, 1915-1926

DOI: [10.1109/tpami.2011.272](https://doi.org/10.1109/tpami.2011.272)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Saliency Detection Model Based on Multi-feature Fusion. , 2011, , .		1
2	Electrocortical source imaging of intracranial EEG data in epilepsy. , 2011, 2011, 3909-12.		11
3	Quaternion-Based Spectral Saliency Detection for Eye Fixation Prediction. Lecture Notes in Computer Science, 2012, , 116-129.	1.0	76
4	Multi-Scale Spectral Residual Analysis to Speed up Image Object Detection. , 2012, , .		5
5	Salient region detection for object tracking. , 2012, , .		0
6	Human Attention Modelization and Data Reduction. , 0, , .		4
7	Image categorization using a semantic hierarchy model with sparse set of salient regions. Frontiers of Computer Science, 2013, 7, 838-851.	1.6	0
8	Saliency Detection: A Boolean Map Approach. , 2013, , .		358
9	Gestalt saliency: Salient region detection based on Gestalt principles. , 2013, , .		7
10	Learning Video Saliency from Human Gaze Using Candidate Selection. , 2013, , .		110
11	Saliency detection via boundary and center priors. , 2013, , .		2
12	Visual-Based Image Retrieval by Block Reallocation Considering Object Region. , 2013, , .		2
13	Saliency detection: Some ideas about spectral residual. , 2013, , .		0
14	A DCT based in-focus visual saliency detection algorithm. , 2013, , .		3
15	On contrast combinations for visual saliency detection. , 2013, , .		6
16	From Where and How to What We See. , 2013, , .		17
17	An edge detection with automatic scale selection approach to improve coherent visual attention model. Pattern Recognition Letters, 2013, 34, 1519-1524.	2.6	5
18	Graph-Regularized Saliency Detection With Convex-Hull-Based Center Prior. IEEE Signal Processing Letters, 2013, 20, 637-640.	2.1	237

#	ARTICLE	IF	CITATIONS
19	Key-components: detection of salient regions on 3D meshes. <i>Visual Computer</i> , 2013, 29, 1319-1332.	2.5	12
20	A Method of Ship Detection in Optical Satellite Image Based on Saliency Map. , 2013, , .		1
21	Crowdsourced object segmentation with a game. , 2013, , .		15
22	Category-Independent Object-Level Saliency Detection. , 2013, , .		92
23	Person Re-identification by Saliency Matching. , 2013, , .		331
24	Saliency Detection Using Color Spatial Variance Weighted Graph Model. , 2013, , .		0
25	Some problems in seam-carving algorithm. , 2013, , .		2
26	An interactive personalized video summarization based on sketches. , 2013, , .		7
27	Background aware saliency detection. , 2013, , .		1
28	Saliency Detection Using DCT Coefficients and Superpixel-Based Segmentation. <i>Lecture Notes in Computer Science</i> , 2013, , 122-133.	1.0	0
29	Learning bottom-up text attention maps for text detection using stroke width transform. , 2013, , .		6
30	Salient region detection based on multi-resolution. , 2013, , .		1
31	Finding and recognizing objects in natural scenes: complementary computations in the dorsal and ventral visual systems. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 85.	1.2	21
32	Scene Consistency Verification Based on PatchNet. <i>Scientific World Journal, The</i> , 2014, 2014, 1-12.	0.8	0
33	Multi-Resolution Salient Region Detection in Frequency Domain. <i>International Journal of Advanced Pervasive and Ubiquitous Computing</i> , 2014, 6, 60-70.	0.4	0
34	An inverse Yarbus process: Predicting observers' task from eye movement patterns. <i>Vision Research</i> , 2014, 103, 127-142.	0.7	66
35	Semiautomatic visual-attention modeling and its application to video compression. , 2014, , .		25
36	A survey for image resizing. <i>Journal of Zhejiang University: Science C</i> , 2014, 15, 697-716.	0.7	17

#	ARTICLE	IF	CITATIONS
37	Spectral saliency model for an appearance only SLAM in an indoor environment. , 2014, , .		1
38	Salient object detection based on sparse representation with image-specific prior. , 2014, , .		2
39	Perceptual video coding based on saliency and Just Noticeable Distortion for H.265/HEVC. , 2014, , .		10
40	A Multiple Features Distance Preserving (MFDP) Model for Saliency Detection. , 2014, , .		0
41	Object-Coherence Warping for Stereoscopic Image Retargeting. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 759-768.	5.6	31
42	Saliency Detection through Nonlinear Metric Fusion. Advanced Materials Research, 2014, 926-930, 3692-3695.	0.3	0
43	Object-based attention: saliency detection using contrast via background prototypes. Electronics Letters, 2014, 50, 997-999.	0.5	13
44	Saliency Detection based on a Sparsity of Segments Model. , 2014, , .		0
45	Saliency detection via two-directional 2DPCA analysis of image patches. Optik, 2014, 125, 7222-7226.	1.4	3
46	Touch Saliency: Characteristics and Prediction. IEEE Transactions on Multimedia, 2014, 16, 1779-1791.	5.2	14
47	Salient region detection via color spatial distribution determined global contrasts. , 2014, , .		3
48	A low complexity visual saliency model based on in-focus regions and centre sensitivity. , 2014, , .		3
49	Exploring covert attention for generic boosting of saliency models. , 2014, , .		0
50	Learning to integrate local and global features for a blind image quality measure. , 2014, , .		3
51	A Background Prior Based Saliency Detection for JPEG Image. , 2014, , .		0
52	Salient object detection using bipartite dictionary. , 2014, , .		2
53	Weighted bag of visual words for object recognition. , 2014, , .		9
54	Depth saliency based on anisotropic center-surround difference. , 2014, , .		277

#	ARTICLE	IF	CITATIONS
55	Information Divergence Based Saliency Detection with a Global Center-Surround Mechanism. , 2014, , .		2
56	An adaptive computational method for color contrast based salient region detection. , 2014, , .		1
57	Salient object detection using octonion with Bayesian inference. , 2014, , .		5
58	Automatic image enhancement based on multi-scale image decomposition. , 2014, , .		1
59	Saliency detection based on distance between patches in polarimetric SAR images. , 2014, , .		3
60	Coherency Based Spatio-Temporal Saliency Detection for Video Object Segmentation. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 454-462.	7.3	26
61	Saliency driven clustering for salient object detection. , 2014, , .		1
62	Adaptive Partial Differential Equation Learning for Visual Saliency Detection. , 2014, , .		93
63	A Multisize Superpixel Approach for Salient Object Detection Based on Multivariate Normal Distribution Estimation. IEEE Transactions on Image Processing, 2014, 23, 5094-5107.	6.0	43
64	Learning Optimal Seeds for Diffusion-Based Salient Object Detection. , 2014, , .		93
65	GPU video retargeting with parallelized SeamCrop. , 2014, , .		7
66	Region-based saliency detection. IET Image Processing, 2014, 8, 519-527.	1.4	8
67	Salient region detection based on local and global saliency. , 2014, , .		5
68	Saliency detection based on extended boundary prior with foci of attention. , 2014, , .		5
69	Merging Neuroimaging and Multimedia: Methods, Opportunities, and Challenges. IEEE Transactions on Human-Machine Systems, 2014, 44, 270-280.	2.5	8
70	Polyp classification based on Bag of Features and saliency in wireless capsule endoscopy. , 2014, , .		27
71	Salient object detection: manifold-based similarity adaptation approach. Journal of Electronic Imaging, 2014, 23, 063004.	0.5	2
72	Multiscale salient region detection and salient map generation for synthetic aperture radar image. Journal of Applied Remote Sensing, 2014, 8, 083501.	0.6	6

#	ARTICLE	IF	CITATIONS
73	Salient region detection using high level feature. , 2014, , .		0
74	Virtual, Augmented and Mixed Reality. Applications of Virtual and Augmented Reality. Lecture Notes in Computer Science, 2014, , .	1.0	6
75	Image retargeting based on spring analogy. , 2014, , .		0
76	Saliency detection framework via linear neighbourhood propagation. IET Image Processing, 2014, 8, 804-814.	1.4	7
77	Block-Based Salient Region Detection Using a New Spatial-Spectral-Domain Contrast Measure. , 2014, , .		2
78	Applying Saliency-Based Region of Interest Detection in Developing a Collaborative Active Learning System with Augmented Reality. Lecture Notes in Computer Science, 2014, , 51-62.	1.0	1
79	Unsupervised detection of abnormalities in medical images using salient features. Proceedings of SPIE, 2014, , .	0.8	1
80	Improved Squeeze Algorithm for Saliency Features of Dictionary Learning. Applied Mechanics and Materials, 0, 556-562, 3658-3661.	0.2	0
81	Saliency detection via foreground rendering and background exclusion. , 2014, , .		5
82	What do saliency models predict?. Journal of Vision, 2014, 14, 14-14.	0.1	109
83	Genetic algorithms based feature combination for salient object detection, for autonomously identified image domain types. , 2014, , .		5
84	Real-Time Visual Saliency Detection Using Gaussian Distribution. , 2014, , .		1
85	Regions of Interest Detection in Panchromatic Remote Sensing Images Based on Multiscale Feature Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4704-4716.	2.3	52
86	A novel approach to combine features for salient object detection using constrained particle swarm optimization. Pattern Recognition, 2014, 47, 1731-1739.	5.1	49
87	A novel monochromatic cue for detecting regions of visual interest. Image and Vision Computing, 2014, 32, 405-413.	2.7	3
88	Mesh resizing based on hierarchical saliency detection. Graphical Models, 2014, 76, 355-362.	1.1	12
89	Sub-scene segmentation using constraints based on Gestalt principles. Journal of Visual Communication and Image Representation, 2014, 25, 994-1005.	1.7	6
90	Survey of encoding and decoding of visual stimulus via fMRI: an image analysis perspective. Brain Imaging and Behavior, 2014, 8, 7-23.	1.1	35

#	ARTICLE	IF	CITATIONS
91	Saliency-SVM: An automatic approach for image segmentation. <i>Neurocomputing</i> , 2014, 136, 243-255.	3.5	47
92	Bayesian salient object detection based on saliency driven clustering. <i>Signal Processing: Image Communication</i> , 2014, 29, 434-447.	1.8	8
93	Integration of the saliency-based seed extraction and random walks for image segmentation. <i>Neurocomputing</i> , 2014, 129, 378-391.	3.5	64
94	Context-aware features and robust image representations. <i>Journal of Visual Communication and Image Representation</i> , 2014, 25, 339-348.	1.7	5
95	Influence of compression artifacts on visual attention. , 2014, , .		9
96	Large-Scale Optimization of Hierarchical Features for Saliency Prediction in Natural Images. , 2014, , .		277
97	Image Retargeting Via Adaptive Scaling With Geometry Preservation. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2014, 4, 70-81.	2.7	14
98	Salient edge and region aware image retargeting. <i>Signal Processing: Image Communication</i> , 2014, 29, 1223-1231.	1.8	12
99	Fast Seam Carving Using Gaussian Pyramid. , 2014, , .		1
100	Salient object detection using learning classifiersystems that compute action mappings. , 2014, , .		13
101	A Study of Image Retargeting Based on Seam Carving. , 2014, , .		10
102	Saliency detection based on diffusion maps. <i>Optik</i> , 2014, 125, 5202-5206.	1.4	2
103	OBSIR: Object-based stereo image retrieval. , 2014, , .		22
104	Depth Information Fused Salient Object Detection. , 2014, , .		3
105	Saliency Analysis for Car Detection Based on 2-D Entropy and Velocity Prior. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 138, 378-385.	0.5	1
106	Toward Statistical Modeling of Saccadic Eye-Movement and Visual Saliency. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 4649-4662.	6.0	31
107	Visual saliency detection based on region descriptors and prior knowledge. <i>Signal Processing: Image Communication</i> , 2014, 29, 424-433.	1.8	18
108	Fast salient object detection through efficient subwindow search. <i>Pattern Recognition Letters</i> , 2014, 46, 60-66.	2.6	6

#	ARTICLE	IF	CITATIONS
109	Salient region detection for complex background images using integrated features. Information Sciences, 2014, 281, 586-600.	4.0	17
110	Hybrid Integration of Visual Attention Model into Image Quality Metric. IEICE Transactions on Information and Systems, 2014, E97.D, 2971-2973.	0.4	0
111	Salient Region Detection Based on Color Uniqueness and Color Spatial Distribution. IEICE Transactions on Information and Systems, 2014, E97.D, 1933-1936.	0.4	2
112	Nonlocal Diffusion Tensor for Visual Saliency Detection. , 2014, , .		0
113	Object Level Saliency by Submodular Optimization. , 2014, , .		2
114	Prior fusion based salient object detection. , 2014, , .		0
115	Ant colony optimization inspired saliency detection using compressed video information. , 2015, , .		0
116	Salient object detection using HOS based LO smoothing and shape-aware region merging. , 2015, , .		1
117	Cluster-Based Point Set Saliency. , 2015, , .		35
118	Generic Promotion of Diffusion-Based Salient Object Detection. , 2015, , .		40
119	Visual saliency detection based on gradient contrast and color complexity. , 2015, , .		4
120	Co-saliency Detection Linearly Combining Single-View Saliency and Foreground Correspondence. IEICE Transactions on Information and Systems, 2015, E98.D, 985-988.	0.4	4
121	The Maximal Self-dissimilarity Interest Point Detector. IPSJ Transactions on Computer Vision and Applications, 2015, 7, 175-188.	4.4	1
122	Bottom-up saliency model generation using superpixels. , 2015, , .		2
123	Automated Detection of Leakage in Fluorescein Angiography Images with Application to Malarial Retinopathy. Scientific Reports, 2015, 5, 10425.	1.6	32
124	Hand tracking by extending distance transform and hand model in real-time. Pattern Recognition and Image Analysis, 2015, 25, 437-441.	0.6	15
125	Automated Detection of Vessel Abnormalities on Fluorescein Angiogram in Malarial Retinopathy. Scientific Reports, 2015, 5, 11154.	1.6	17
126	Importance-Driven Controllable Texture Compaction. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
127	A multiscale compressed video saliency detection model based on ant colony optimization. , 2015, , .		0
128	A fabric defect detection algorithm via context-based local texture saliency analysis. International Journal of Clothing Science and Technology, 2015, 27, 738-750.	0.5	18
129	Visual attention on human face. , 2015, , .		6
130	Video saliency detection based on mutual information and background prior in compressed domain. , 2015, , .		1
131	Texture Contrast Based Salient Region Detection. , 2015, , .		2
132	Graph based spatiotemporal saliency detection incorporating low and high level features. , 2015, , .		0
133	A combined convolutional neural network and potential region-of-interest model for saliency detection. , 2015, , .		0
134	Real time saliency detection in videos using Motion Field entropy. , 2015, , .		0
135	Information set based approach for salient object detection. , 2015, , .		0
136	Visual saliency detection based on mutual information in compressed domain. , 2015, , .		1
137	A Local Texture-Based Superpixel Feature Coding for Saliency Detection Combined with Global Saliency. Applied Sciences (Switzerland), 2015, 5, 1528-1546.	1.3	4
138	Saliency-Guided Detection of Unknown Objects in RGB-D Indoor Scenes. Sensors, 2015, 15, 21054-21074.	2.1	22
139	On the Distribution of Salient Objects in Web Images and Its Influence on Salient Object Detection. PLoS ONE, 2015, 10, e0130316.	1.1	1
140	Saliency Mapping Enhanced by Structure Tensor. Computational Intelligence and Neuroscience, 2015, 2015, 1-8.	1.1	4
141	Salient Region Detection via Feature Combination and Discriminative Classifier. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	1
142	An Improved Saliency Detection Approach for Flying Apsaras in the Dunhuang Grotto Murals, China. Advances in Multimedia, 2015, 2015, 1-11.	0.2	1
143	Inferring Visual Perceptual Object by Adaptive Fusion of Image Salient Features. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	1
144	Optimized Comics-Based Storytelling for Temporal Image Sequences. IEEE Transactions on Multimedia, 2015, 17, 201-215.	5.2	14

#	ARTICLE	IF	CITATIONS
145	Detection of engineering vehicles in high-resolution monitoring images. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2015, 16, 346-357.	1.5	5
146	Light field saliency vs. 2D saliency: A comparative study. <i>Neurocomputing</i> , 2015, 166, 389-396.	3.5	16
147	Salient region detection: an integration approach based on image pyramid and region property. <i>IET Computer Vision</i> , 2015, 9, 85-97.	1.3	6
148	Stereo matching-based definition of saliency via sample-based Kullback-Leibler divergence estimation. <i>Machine Vision and Applications</i> , 2015, 26, 607-618.	1.7	2
149	Efficient saliency analysis based on wavelet transform and entropy theory. <i>Journal of Visual Communication and Image Representation</i> , 2015, 30, 201-207.	1.7	16
150	Saliency detection using hierarchical manifold learning. <i>Neurocomputing</i> , 2015, 168, 538-549.	3.5	10
151	Feature Selection in Supervised Saliency Prediction. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 914-926.	6.2	32
152	PISA: Pixelwise Image Saliency by Aggregating Complementary Appearance Contrast Measures With Edge-Preserving Coherence. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 3019-3033.	6.0	76
153	Saliency based hierarchical fuzzy representation for object recognition. , 2015, , .		3
154	Selective features for RGB-D saliency. , 2015, , .		2
155	Saliency detection via Cellular Automata. , 2015, , .		118
156	Eye tracking assisted extraction of attentionally important objects from videos. , 2015, , .		18
157	Saliency detection via Low-rank reconstruction from global to local. , 2015, , .		1
158	Saliency weight and local quadrant constraint for visual search. , 2015, , .		1
159	A Novel Saliency Model for Stereoscopic Images. , 2015, , .		4
160	Robust saliency detection via regularized random walks ranking. , 2015, , .		36
161	Minimum Barrier Salient Object Detection at 80 FPS. , 2015, , .		313
162	Video Classification Based on Spatial Gradient and Optical Flow Descriptors. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
163	Automatic Thumbnail Generation Based on Visual Representativeness and Foreground Recognizability. , 2015, , .		15
164	Effective Information and Contrast Based Saliency Detection. Lecture Notes in Computer Science, 2015, , 195-204.	1.0	0
165	Saliency based modified chamfers matching method for sketch based image retrieval. , 2015, , .		3
166	A Data-Driven Metric for Comprehensive Evaluation of Saliency Models. , 2015, , .		27
167	Saliency detection using two-stage scoring. , 2015, , .		7
168	Co-saliency detection via looking deep and wide. , 2015, , .		86
169	SALICON: Reducing the Semantic Gap in Saliency Prediction by Adapting Deep Neural Networks. , 2015, , .		370
170	Medical Image Classification via SVM Using LBP Features from Saliency-Based Folded Data. , 2015, , .		53
171	Dynamically encoded actions based on spacetime saliency. , 2015, , .		15
172	Visual saliency based on multiscale deep features. , 2015, , .		153
173	Automatic Image Segmentation Based on Maximal Similarity Based Region Merging. , 2015, , .		2
174	Unsupervised-learning airplane detection in remote sensing images. , 2015, , .		2
175	Saliency map based improved segmentation. , 2015, , .		9
176	Information-theoretic model comparison unifies saliency metrics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 16054-16059.	3.3	120
177	Predicting eye fixations using convolutional neural networks. , 2015, , .		24
178	SaliencyRank: Two-stage manifold ranking for salient object detection. Computational Visual Media, 2015, 1, 309-320.	10.8	41
179	Network visualization retargeting. , 2015, , .		3
180	Visually salient features for highway scene analysis. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
181	Image Retargeting Based on a New Salient Region Detection Method. , 2015, , .		0
182	Region of interest extraction based on multiscale visual saliency analysis for remote sensing images. Journal of Applied Remote Sensing, 2015, 9, 095050.	0.6	4
183	Sparsity-guided saliency detection for remote sensing images. Journal of Applied Remote Sensing, 2015, 9, 095055.	0.6	31
184	Texture Separation for Saliency Detection of Image with Cluttered Background. , 2015, , .		0
185	Salient object detection from distinctive features in low contrast images. , 2015, , .		16
186	Survey on Image Saliency Detection Methods. , 2015, , .		6
187	Salient object carving. , 2015, , .		2
188	Fused methods for visual saliency estimation. Proceedings of SPIE, 2015, , .	0.8	1
189	Study of visual saliency detection via nonlocal anisotropic diffusion equation. Pattern Recognition, 2015, 48, 1315-1327.	5.1	21
190	Nonlocal center-surround reconstruction-based bottom-up saliency estimation. Pattern Recognition, 2015, 48, 1337-1348.	5.1	25
191	Sparse-Distinctive Saliency Detection. IEEE Signal Processing Letters, 2015, 22, 1378-1382.	2.1	3
192	Saliency detection via background and foreground seed selection. Neurocomputing, 2015, 152, 359-368.	3.5	118
193	Saliency computation in images based on perceptual distinctness. Signal Processing: Image Communication, 2015, 32, 129-147.	1.8	1
194	Predicting Eye Fixations With Higher-Level Visual Features. IEEE Transactions on Image Processing, 2015, 24, 1178-1189.	6.0	20
195	ROI image retrieval based on multiple features of mean shift and expectation maximisation. , 2015, 40, 117-130.		1
196	Object recognition via contextual color attention. Journal of Visual Communication and Image Representation, 2015, 27, 44-56.	1.7	15
197	A saliency detection model using shearlet transform. Multimedia Tools and Applications, 2015, 74, 4045-4058.	2.6	6
198	Evolutionary Computational Methods for Optimizing the Classification of Sea Stars in Underwater Images. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
199	Exploiting local and global characteristics for contrast based visual saliency detection. Journal of Shanghai Jiaotong University (Science), 2015, 20, 14-20.	0.5	1
200	A novel approach to the extraction of multiple salient objects in an image. , 2015, , .		0
201	Discovering salient objects from videos using spatiotemporal salient region detection. Signal Processing: Image Communication, 2015, 36, 154-178.	1.8	5
202	Saliency generation from complex scene via digraph and Bayesian inference. Neurocomputing, 2015, 170, 176-186.	3.5	3
203	How does image noise affect actual and predicted human gaze allocation in assessing image quality?. Vision Research, 2015, 112, 11-25.	0.7	30
204	Visual saliency detection based on modeling the spatial Gaussianity. , 2015, , .		0
205	On semantic-instructed attention: From video eye-tracking dataset to memory-guided probabilistic saliency model. Neurocomputing, 2015, 168, 917-929.	3.5	4
206	Background Prior-Based Salient Object Detection via Deep Reconstruction Residual. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1309-1321.	5.6	334
207	Visual Attention Model Based on Statistical Properties of Neuron Responses. Scientific Reports, 2015, 5, 8873.	1.6	6
208	Saliency detection based on multi-instance images learning. , 2015, , .		0
209	Depth-aware salient object detection using anisotropic center-surround difference. Signal Processing: Image Communication, 2015, 38, 115-126.	1.8	98
210	A flexible framework of adaptive method selection for image saliency detection. Pattern Recognition Letters, 2015, 63, 66-70.	2.6	7
211	A bio-inspired center-surround model for saliency computation in images. Journal of Visual Communication and Image Representation, 2015, 30, 277-288.	1.7	5
212	Visual Saliency Detection With Free Energy Theory. IEEE Signal Processing Letters, 2015, 22, 1552-1555.	2.1	74
213	Multi-scale mesh saliency based on low-rank and sparse analysis in shape feature space. Computer Aided Geometric Design, 2015, 35-36, 206-214.	0.5	19
214	Saliency Based Ulcer Detection for Wireless Capsule Endoscopy Diagnosis. IEEE Transactions on Medical Imaging, 2015, 34, 2046-2057.	5.4	109
215	Learning compressive sampling via multiscale and steerable support value transform. Knowledge-Based Systems, 2015, 82, 128-138.	4.0	5
216	Spatiotemporal Saliency Detection for Video Sequences Based on Random Walk With Restart. IEEE Transactions on Image Processing, 2015, 24, 2552-2564.	6.0	121

#	ARTICLE	IF	CITATIONS
217	Better together: Fusing visual saliency methods for retrieving perceptually-similar images. , 2015, , .		2
218	Saliency-based artificial object detection for satellite images. , 2015, , .		0
219	Finding the Secret of Image Saliency in the Frequency Domain. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2428-2440.	9.7	71
220	Saliency-aware image-to-class distances for image classification. Neurocomputing, 2015, 166, 337-345.	3.5	15
221	Diffuse visual attention for saliency detection. Journal of Electronic Imaging, 2015, 24, 013023.	0.5	4
222	Saliency Detection via Nonlocal L_0 Minimization. Lecture Notes in Computer Science, 2015, , 521-535.	1.0	4
223	A depth perception and visual comfort guided computational model for stereoscopic 3D visual saliency. Signal Processing: Image Communication, 2015, 38, 57-69.	1.8	38
224	Global feature integration based salient region detection. Neurocomputing, 2015, 159, 1-8.	3.5	23
225	SI-Cut: Structural Inconsistency Analysis for Image Foreground Extraction. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 860-872.	2.9	3
226	Computer Vision. Communications in Computer and Information Science, 2015, , .	0.4	1
227	Salient Region Detection by Region Color Contrast and Connectivity Prior. Communications in Computer and Information Science, 2015, , 21-30.	0.4	0
228	Salient Object Detection via Nonlocal Diffusion Tensor. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1555013.	0.7	4
230	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. Biomedical Optics Express, 2015, 6, 3564.	1.5	96
231	Salient Object Detection: A Benchmark. IEEE Transactions on Image Processing, 2015, 24, 5706-5722.	6.0	1,126
232	Person Re-identification with Density-Distance Unsupervised Saliency Learning. Lecture Notes in Computer Science, 2015, , 55-67.	1.0	0
233	Revealing and modifying non-local variations in a single image. ACM Transactions on Graphics, 2015, 34, 1-11.	4.9	32
235	Saliency detection based on singular value decomposition. Journal of Visual Communication and Image Representation, 2015, 32, 95-106.	1.7	18
236	Fusing region contrast and graph regularization for saliency detection. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
237	Autonomous robotic system for thermographic detection of defects in upper layers of carbon fiber reinforced polymers. , 2015, , .		6
238	Image retargeting by combining fast seam carving with neighboring probability (FSc_Neip) and scaling. , 2015, , .		0
239	Kernelized Saliency-Based Person Re-Identification Through Multiple Metric Learning. IEEE Transactions on Image Processing, 2015, 24, 5645-5658.	6.0	87
240	Superpixel-Based Global Contrast Driven Saliency Detection in Low Contrast Images. Communications in Computer and Information Science, 2015, , 407-417.	0.4	0
241	A spatiotemporal weighted dissimilarity-based method for video saliency detection. Signal Processing: Image Communication, 2015, 38, 45-56.	1.8	9
242	Optical imaging system-based real-time image saliency extraction method. Optical Engineering, 2015, 54, 043101.	0.5	2
243	Intelligent Computing Theories and Methodologies. Lecture Notes in Computer Science, 2015, , .	1.0	2
244	Hierarchical Features Fusion for Salient Object Detection in Low Contrast Images. Lecture Notes in Computer Science, 2015, , 295-306.	1.0	1
245	Salient region detection through sparse reconstruction and graph-based ranking. Journal of Visual Communication and Image Representation, 2015, 32, 144-155.	1.7	16
246	Saliency-Guided Unsupervised Feature Learning for Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2175-2184.	2.7	444
248	Salient Region Detection Using Patch Level and Region Level Image Abstractions. IEEE Signal Processing Letters, 2015, 22, 686-690.	2.1	11
249	Global Contrast Based Salient Region Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 569-582.	9.7	2,008
250	Salient region detection via simple local and global contrast representation. Neurocomputing, 2015, 147, 435-443.	3.5	22
251	Image retargeting using RGB-D camera. Multimedia Tools and Applications, 2015, 74, 3155-3170.	2.6	3
253	Graph-Based Salient Region Detection through Linear Neighborhoods. Mathematical Problems in Engineering, 2016, 2016, 1-11.	0.6	0
254	Salient Region Detection by Fusing Foreground and Background Cues Extracted from Single Image. Mathematical Problems in Engineering, 2016, 2016, 1-18.	0.6	2
255	Distorted Low-Level Visual Features Affect Saliency-Based Visual Attention. Frontiers in Computational Neuroscience, 2016, 10, 124.	1.2	2
256	Automatic Airport Recognition Based on Saliency Detection and Semantic Information. ISPRS International Journal of Geo-Information, 2016, 5, 115.	1.4	8

#	ARTICLE	IF	CITATIONS
257	Joint Multi-Image Saliency Analysis for Region of Interest Detection in Optical Multispectral Remote Sensing Images. Remote Sensing, 2016, 8, 461.	1.8	13
258	NEAS: Nonuniform Extraction of Attractive Structures for Image Analysis. , 2016, , .		0
259	Unified Saliency Detection Model Using Color and Texture Features. PLoS ONE, 2016, 11, e0149328.	1.1	21
260	Toward 3D Visual Saliency Modeling. Springer Series in Cognitive and Neural Systems, 2016, , 305-330.	0.1	1
261	Adobe Boxes: Locating Object Proposals using Object Adobes. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	22
262	Applications of Saliency Models. Springer Series in Cognitive and Neural Systems, 2016, , 331-377.	0.1	4
263	Con-Patch: When a Patch Meets Its Context. IEEE Transactions on Image Processing, 2016, 25, 3967-3978.	6.0	23
264	From Human Attention to Computational Attention. Springer Series in Cognitive and Neural Systems, 2016, , .	0.1	19
265	Saliency Detection Based on Heuristic Rules. Lecture Notes in Computer Science, 2016, , 94-103.	1.0	0
266	A deep multi-level network for saliency prediction. , 2016, , .		226
267	Structure extraction and region contrast based salient object detection. , 2016, , .		0
268	Saliency detection using secondary quantization in DCT domain. , 2016, , .		0
269	Gradient-based global features for seam carving. Eurasip Journal on Image and Video Processing, 2016, 2016, .	1.7	4
270	Background priors based saliency object detection. , 2016, , .		5
271	Fast full resolution saliency detection based on incoherent imaging system. Optical Review, 2016, 23, 601-613.	1.2	2
272	Multiscale phase congruency analysis for image edge visual saliency detection. , 2016, , .		6
273	A spatiotemporal model for video saliency detection. , 2016, , .		2
274	Salient areas detection using color volume. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
275	FUNNRAR: Hybrid rarity/learning visual saliency. , 2016, , .		0
276	Spatially Binned ROC: A Comprehensive Saliency Metric. , 2016, , .		4
277	A Pointing Gesture Based Egocentric Interaction System: Dataset, Approach and Application. , 2016, , .		37
278	Saliency Optimization Based on Compactness and Background-Prior. , 2016, , .		0
279	Obstacle Detection for Image-Guided Surface Water Navigation. , 2016, , .		2
280	Performance Evaluation of Bottom-Up Saliency Models for Object Proposal Generation. , 2016, , .		0
281	TIGGER: A Texture-Illumination Guided Global Energy Response Model for Illumination Robust Object Saliency. , 2016, , .		0
282	DovCut. , 2016, , .		0
283	Visual saliency detection via image complexity feature. , 2016, , .		4
284	DR(eye)VE: A Dataset for Attention-Based Tasks with Applications to Autonomous and Assisted Driving. , 2016, , .		66
285	Visual attention quality database for benchmarking performance evaluation metrics. , 2016, , .		0
286	Automatic Image Cropping: A Computational Complexity Study. , 2016, , .		76
287	Multi-scale Point Set Saliency Detection Based on Site Entropy Rate. Lecture Notes in Computer Science, 2016, , 366-375.	1.0	2
288	Combined saliency enhancement based on fully convolutional network. , 2016, , .		0
289	What's the role color play in saliency detection. , 2016, , .		0
290	A local correlation based visual saliency model. , 2016, , .		0
291	Texture segmentation for seam carving. , 2016, , .		1
292	Hierarchical context-aware hand detection algorithm for naturalistic driving. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
293	Investigation of mobile surroundings for visual attention based on image perception model. , 2016, , .		1
294	Saliency analysis and region of interest detection via orientation information and contrast feature in remote sensing images. , 2016, , .		0
295	Robust Ranking on Manifold for Salient Object Detection. , 2016, , .		0
296	From Seed Discovery to Deep Reconstruction. , 2016, , .		2
297	A novel saliency detection method via manifold ranking and compactness prior. , 2016, , .		2
298	Real-Time Salient Object Detection with a Minimum Spanning Tree. , 2016, , .		192
299	Deep Contrast Learning for Salient Object Detection. , 2016, , .		505
300	Hierarchical saliency: A new salient target detection framework. International Journal of Control, Automation and Systems, 2016, 14, 301-311.	1.6	3
301	Multimodal region-consistent saliency based on foreground and background priors for indoor scene. Journal of Modern Optics, 2016, 63, 1639-1651.	0.6	2
302	Using Saliency-Weighted Disparity Statistics for Objective Visual Comfort Assessment of Stereoscopic Images. 3D Research, 2016, 7, 1.	1.8	9
303	Learning feature fusion strategies for various image types to detect salient objects. Pattern Recognition, 2016, 60, 106-120.	5.1	23
304	Feature based fuzzy inference system for segmentation of low-contrast infrared ship images. Applied Soft Computing Journal, 2016, 46, 128-142.	4.1	28
305	Salient Object Detection in Noisy Images. Lecture Notes in Computer Science, 2016, , 109-114.	1.0	2
306	A convex hull approach in conjunction with Gaussian mixture model for salient object detection. , 2016, 55, 22-31.		33
307	Region-based saliency estimation for 3D shape analysis and understanding. Neurocomputing, 2016, 197, 1-13.	3.5	16
308	Saliency detection by selective color features. Neurocomputing, 2016, 203, 34-40.	3.5	11
309	An unsupervised object-level image segmentation method based on foreground and background priors. , 2016, , .		6
310	Contextual-based top-down saliency feature weighting for target detection. Machine Vision and Applications, 2016, 27, 893-914.	1.7	11

#	ARTICLE	IF	CITATIONS
311	Surface Regions of Interest for Viewpoint Selection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2544-2556.	9.7	35
312	Consistent Volumetric Warping Using Floating Boundaries for Stereoscopic Video Retargeting. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 801-813.	5.6	16
313	Where Does the Driver Look? Top-Down-Based Saliency Detection in a Traffic Driving Environment. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2051-2062.	4.7	66
314	A cube-based saliency detection method using integrated visual and spatial features. Sensor Review, 2016, 36, 148-157.	1.0	2
315	Saliency detection based on superpixels clustering and stereo disparity. Applied Mathematics, 2016, 31, 68-80.	0.6	1
316	Detection of Co-salient Objects by Looking Deep and Wide. International Journal of Computer Vision, 2016, 120, 215-232.	10.9	277
317	Predicting salient object via multi-level features. Neurocomputing, 2016, 205, 301-310.	3.5	6
318	Fabric defect detection algorithm based on Gabor filter and low-rank decomposition. Proceedings of SPIE, 2016, , .	0.8	6
319	Improved salient objects detection based on salient points. , 2016, , .		3
320	Salient object detection by multi-level features learning determined sparse reconstruction. , 2016, , .		3
321	Salient object detection via spectral clustering. , 2016, , .		1
322	Saliency analysis and region-of-interest extraction for satellite images by biological sparse modeling. , 2016, , .		0
323	Saliency detection based on integration of central bias, reweighting and multi-scale for superpixels. , 2016, , .		3
324	Finding Visual Attention in an Image: Learning through Hierarchal Inheritance Approach. Procedia Computer Science, 2016, 89, 607-613.	1.2	1
325	Principal components analysis-based visual saliency detection. , 2016, , .		1
326	Detecting aircrafts from satellite images using saliency and conical pyramid based template representation. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 1155-1171.	0.8	0
327	Cellular Automata Based on Occlusion Relationship for Saliency Detection. Lecture Notes in Computer Science, 2016, , 28-39.	1.0	1
328	Salient object detection fusing global and local information based on nonsubsampling contourlet transform. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1430.	0.8	7

#	ARTICLE	IF	CITATIONS
329	Multi-scale salient object detection using graph ranking and global-local saliency refinement. Signal Processing: Image Communication, 2016, 47, 380-401.	1.8	15
330	Saliency detection integrating both background and foreground information. Neurocomputing, 2016, 216, 468-477.	3.5	8
331	SSPARED: Saliency and sparse code analysis for rare event detection in video. , 2016, , .		2
332	Visual saliency model based on minimum description length. , 2016, , .		3
333	Detecting Salient Objects via Color and Texture Compactness Hypotheses. IEEE Transactions on Image Processing, 2016, 25, 4653-4664.	6.0	24
334	Salient object detection via multi-scale local-global superpixel contrast. , 2016, , .		0
335	Covariance descriptor based convolution neural network for saliency computation in low contrast images. , 2016, , .		7
336	A Biologically Inspired Framework for Visual Information Processing and an Application on Modeling Bottom-Up Visual Attention. Cognitive Computation, 2016, 8, 1007-1026.	3.6	13
337	DEEP-CSSR: Scene classification using category-specific salient region with deep features. , 2016, , .		5
338	Multi-image saliency analysis via histogram and spectral feature clustering for satellite images. , 2016, , .		1
339	Depth Guided Detection of Salient Objects. Lecture Notes in Computer Science, 2016, , 197-205.	1.0	0
340	NeRD: A Neural Response Divergence Approach to Visual Saliency Detection. IEEE Signal Processing Letters, 2016, 23, 1404-1408.	2.1	0
341	HFS: Hierarchical Feature Selection for Efficient Image Segmentation. Lecture Notes in Computer Science, 2016, , 867-882.	1.0	36
342	Medical image fusion by combining parallel features on multi-scale local extrema scheme. Knowledge-Based Systems, 2016, 113, 4-12.	4.0	30
343	Feature Quality Based Dynamic Feature Selection for Improving Salient Object Detection. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	11
344	Visual saliency detection based on homology similarity and an experimental evaluation. Journal of Visual Communication and Image Representation, 2016, 40, 251-264.	1.7	15
345	Visual Saliency Detection via Sparse Residual and Outlier Detection. IEEE Signal Processing Letters, 2016, 23, 1736-1740.	2.1	11
347	Learning to detect salient curves of cartoon images based on composition rules. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
348	Fingertip in the Eye: An Attention-Based Method for Real-Time Hand Tracking and Fingertip Detection in Egocentric Videos. Communications in Computer and Information Science, 2016, , 145-154.	0.4	3
349	Where do emotions come from? Predicting the Emotion Stimuli Map. , 2016, , .		54
350	Reducing perspective distortion for stereoscopic image stitching. , 2016, , .		1
351	Slide: Saliency guided image dictionary and image similarity evaluation. , 2016, , .		5
352	Hierarchical reinforcement learning for saliency detection of low-resolution airports. , 2016, , .		2
353	Background prior and boundary weight-based pedestrian segmentation in infrared images. , 2016, , .		2
354	Principal Component Analysis-Based Visual Saliency Detection. IEEE Transactions on Broadcasting, 2016, 62, 842-854.	2.5	9
355	A novel approach for salient region detection. , 2016, , .		0
356	Visual- and object-conscious image retrieval by block reallocation into object region. IEEE Transactions on Electrical and Electronic Engineering, 2016, 11, S44.	0.8	0
357	Depth Feature Based Accurate Saliency Detection for 3D Images. , 2016, , .		0
358	A novel approach to attend faces in the crowd through relative visual saliency. , 2016, , .		0
359	A Locally Weighted Fixation Density-Based Metric for Assessing the Quality of Visual Saliency Predictions. IEEE Transactions on Image Processing, 2016, 25, 3852-3861.	6.0	5
360	How important is location information in saliency detection of natural images. Multimedia Tools and Applications, 2016, 75, 2543-2564.	2.6	13
361	Bookwall: Visualizing books online based on user experience in physical bookstores. , 2016, , .		2
362	A Novel Saliency Prediction Method Based on Fast Radial Symmetry Transform and Its Generalization. Cognitive Computation, 2016, 8, 693-702.	3.6	4
363	Co-saliency detection via inter and intra saliency propagation. Signal Processing: Image Communication, 2016, 44, 69-83.	1.8	37
364	Sparse recognition via intra-class dictionary learning using visual saliency information. Neurocomputing, 2016, 196, 70-81.	3.5	6
365	Saliency segmentation and foreground extraction of underwater image based on localization. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
366	Region-of-interest extraction based on spectrum saliency analysis and coherence-enhancing diffusion model in remote sensing images. <i>Neurocomputing</i> , 2016, 207, 630-644.	3.5	9
367	A Unified Framework for Salient Structure Detection by Contour-Guided Visual Search. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 3475-3488.	6.0	32
368	Unsupervised saliency estimation based on robust hypotheses. , 2016, , .		3
369	Bleeding Frame and Region Detection in the Wireless Capsule Endoscopy Video. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 624-630.	3.9	127
370	Saliency detection via PCA of image patches and ICA-R. <i>Multimedia Tools and Applications</i> , 2016, 75, 4527-4542.	2.6	1
371	Region of interest extraction in remote sensing images by saliency analysis with the normal directional lifting wavelet transform. <i>Neurocomputing</i> , 2016, 179, 186-201.	3.5	36
372	A Multiple Graph Label Propagation Integration Framework for Salient Object Detection. <i>Neural Processing Letters</i> , 2016, 44, 681-699.	2.0	3
373	Salient object detection using biogeography-based optimization to combine features. <i>Applied Intelligence</i> , 2016, 45, 1-17.	3.3	86
374	An object-based visual selection framework. <i>Neurocomputing</i> , 2016, 180, 35-54.	3.5	2
375	Shape context based mesh saliency detection and its applications: A survey. <i>Computers and Graphics</i> , 2016, 57, 12-30.	1.4	16
376	Visual saliency detection: From space to frequency. <i>Signal Processing: Image Communication</i> , 2016, 44, 57-68.	1.8	8
377	Content- and disparity-adaptive stereoscopic image retargeting. <i>Journal of Modern Optics</i> , 2016, 63, 207-218.	0.6	1
378	Exploiting Surroundedness for Saliency Detection: A Boolean Map Approach. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 889-902.	9.7	185
379	Perceptual Attributes Optimization for Multivideo Summarization. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 2991-3003.	6.2	23
380	Top-down visual attention integrated particle filter for robust object tracking. <i>Signal Processing: Image Communication</i> , 2016, 43, 28-41.	1.8	15
381	Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure. <i>IEEE Transactions on Multimedia</i> , 2016, 18, 432-443.	5.2	178
382	Learning to Diffuse: A New Perspective to Design PDEs for Visual Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 2457-2471.	9.7	34
383	Bottom-up Visual Saliency Estimation With Deep Autoencoder-Based Sparse Reconstruction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1227-1240.	7.2	56

#	ARTICLE	IF	CITATIONS
384	Human-Centered Saliency Detection. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1150-1162.	7.2	10
385	Salient object detection via region contrast and graph regularization. Science China Information Sciences, 2016, 59, 1.	2.7	5
386	Local graph regularized sparse reconstruction for salient object detection. Neurocomputing, 2016, 194, 348-359.	3.5	8
387	Video saliency detection using 3D shearlet transform. Multimedia Tools and Applications, 2016, 75, 7761-7778.	2.6	7
388	An optical information processing-based idea for visual attention analysis. Optik, 2016, 127, 3556-3559.	1.4	0
389	Multiple feature distinctions based saliency flow model. Pattern Recognition, 2016, 54, 190-205.	5.1	8
390	2D Image Reconstruction After Removal of Detected Salient Regions Using Exemplar-Based Image Inpainting. Advances in Intelligent Systems and Computing, 2016, , 417-426.	0.5	0
391	An aesthetic QR code solution based on error correction mechanism. Journal of Systems and Software, 2016, 116, 85-94.	3.3	37
392	Combined salience based person re-identification. Multimedia Tools and Applications, 2016, 75, 11447-11468.	2.6	3
393	Two-Stage Learning to Predict Human Eye Fixations via SDAEs. IEEE Transactions on Cybernetics, 2016, 46, 487-498.	6.2	106
394	Discovering Primary Objects in Videos by Saliency Fusion and Iterative Appearance Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1070-1083.	5.6	27
395	Image Retargeting by Texture-Aware Synthesis. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 1088-1101.	2.9	29
396	Spatiochromatic Context Modeling for Color Saliency Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1177-1189.	7.2	34
397	Localizing scene texts by fuzzy inference systems and low rank matrix recovery model. Computer Vision and Image Understanding, 2016, 142, 94-110.	3.0	8
398	The Application of Visual Saliency Models in Objective Image Quality Assessment: A Statistical Evaluation. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1266-1278.	7.2	100
399	Object-level saliency detection with color attributes. Pattern Recognition, 2016, 49, 162-173.	5.1	42
400	A novel hybrid approach for salient object detection using local and global saliency in frequency domain. Multimedia Tools and Applications, 2016, 75, 8267-8287.	2.6	16
401	Salient object detection using color spatial distribution and minimum spanning tree weight. Multimedia Tools and Applications, 2016, 75, 6963-6978.	2.6	7

#	ARTICLE	IF	CITATIONS
402	A novel optimization framework for salient object detection. Visual Computer, 2016, 32, 31-41.	2.5	12
403	Depth incorporating with color improves salient object detection. Visual Computer, 2016, 32, 111-121.	2.5	24
404	Region saliency detection via multi-feature on absorbing Markov chain. Visual Computer, 2016, 32, 275-287.	2.5	15
405	A generalized nonlocal mean framework with object-level cues for saliency detection. Visual Computer, 2016, 32, 611-623.	2.5	11
406	Hierarchical salient object detection model using contrast-based saliency and color spatial distribution. Multimedia Tools and Applications, 2016, 75, 2667-2679.	2.6	15
407	Seam warping: a new approach for image retargeting for small displays. Soft Computing, 2017, 21, 447-457.	2.1	17
408	Exploiting contrast cues for salient region detection. Multimedia Tools and Applications, 2017, 76, 10427-10441.	2.6	6
409	An evolutionary learning based fuzzy theoretic approach for salient object detection. Visual Computer, 2017, 33, 665-685.	2.5	9
410	Hybrid image retargeting using optimized seam carving and scaling. Multimedia Tools and Applications, 2017, 76, 8067-8085.	2.6	17
411	Person Re-Identification by Saliency Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 356-370.	9.7	161
412	Optimized Perceptual Tone Mapping for Contrast Enhancement of Images. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1161-1170.	5.6	25
413	Fabric defect inspection using prior knowledge guided least squares regression. Multimedia Tools and Applications, 2017, 76, 4141-4157.	2.6	59
414	Stereoscopic Image Stitching Based on a Hybrid Warping Model. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1934-1946.	5.6	28
415	A survey of aesthetics-driven image recomposition. Multimedia Tools and Applications, 2017, 76, 9517-9542.	2.6	17
416	Content-aware disparity adjustment for different stereo displays. Multimedia Tools and Applications, 2017, 76, 10465-10479.	2.6	5
417	Complex networks driven salient region detection based on superpixel segmentation. Pattern Recognition, 2017, 66, 268-279.	5.1	36
418	Study of Saliency in Objective Video Quality Assessment. IEEE Transactions on Image Processing, 2017, 26, 1275-1288.	6.0	35
419	Supervised training and contextually guided salient object detection. , 2017, 63, 44-55.		8

#	ARTICLE	IF	CITATIONS
420	Diversity induced matrix decomposition model for salient object detection. <i>Pattern Recognition</i> , 2017, 66, 253-267.	5.1	11
421	An image texture insensitive method for saliency detection. <i>Journal of Visual Communication and Image Representation</i> , 2017, 43, 212-226.	1.7	9
422	Saliency Detection by Fully Learning a Continuous Conditional Random Field. <i>IEEE Transactions on Multimedia</i> , 2017, 19, 1531-1544.	5.2	35
423	A superpixel-based CRF saliency detection approach. <i>Neurocomputing</i> , 2017, 244, 19-32.	3.5	13
424	Human fixation detection model in video compressed domain based on Markov random field. <i>Journal of Electronic Imaging</i> , 2017, 26, 013008.	0.5	0
425	High-level background prior based salient object detection. <i>Journal of Visual Communication and Image Representation</i> , 2017, 48, 432-441.	1.7	15
426	A multiscale superpixel-level salient object detection model using local-global contrast cue. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017, 22, 121-128.	0.5	1
427	Revisiting Co-Saliency Detection: A Novel Approach Based on Two-Stage Multi-View Spectral Rotation Co-clustering. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 3196-3209.	6.0	204
428	Attention region detection based on closure prior in layered bit Planes. <i>Neurocomputing</i> , 2017, 251, 16-25.	3.5	9
429	A global and local consistent ranking model for image saliency computation. <i>Journal of Visual Communication and Image Representation</i> , 2017, 46, 199-207.	1.7	6
430	Object detection system based on multimodel saliency maps. <i>Journal of Electronic Imaging</i> , 2017, 26, 023022.	0.5	5
431	Salient object detection based on super-pixel clustering and unified low-rank representation. <i>Computer Vision and Image Understanding</i> , 2017, 161, 51-64.	3.0	21
432	Comparative study of computational visual attention models on two-dimensional medical images. <i>Journal of Medical Imaging</i> , 2017, 4, 025503.	0.8	9
433	Infrared and visible image fusion method based on saliency detection in sparse domain. <i>Infrared Physics and Technology</i> , 2017, 83, 94-102.	1.3	178
434	Salient object detection with low-rank approximation and $\ell_{2,1}$ -norm minimization. <i>Image and Vision Computing</i> , 2017, 57, 67-77.	2.7	3
435	A compactness based saliency approach for leakages detection in fluorescein angiogram. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1971-1979.	2.3	3
436	Hurricane Monitoring With Spaceborne Synthetic Aperture Radar. <i>Springer Natural Hazards</i> , 2017, , .	0.1	7
437	Detection and controlling of drivers' visual focus of attention. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
438	A fast and efficient saliency detection model in video compressed-domain for human fixations prediction. <i>Multimedia Tools and Applications</i> , 2017, 76, 26273-26295.	2.6	10
439	Object-Based Visual Saliency via Laplacian Regularized Kernel Regression. <i>IEEE Transactions on Multimedia</i> , 2017, 19, 1718-1729.	5.2	14
440	Multiresolution Airport Detection via Hierarchical Reinforcement Learning Saliency Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 2855-2866.	2.3	27
441	Two-stage sparse coding of region covariance via Log-Euclidean kernels to detect saliency. <i>Neural Networks</i> , 2017, 89, 84-96.	3.3	2
442	Summarizing Unconstrained Videos Using Salient Montages. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017, 39, 2256-2269.	9.7	14
443	Background-Driven Salient Object Detection. <i>IEEE Transactions on Multimedia</i> , 2017, 19, 750-762.	5.2	40
444	We get the algorithms of our ground truths: Designing referential databases in digital image processing. <i>Social Studies of Science</i> , 2017, 47, 811-840.	1.5	49
445	Visual saliency for image captioning in new multimedia services. , 2017, , .		17
446	Superpixel Level Incremental Visual Saliency Detection in Low Contrast Video. , 2017, , .		1
447	A nonlocal L_0 model with regression predictor for saliency detection and extension. <i>Visual Computer</i> , 2017, 33, 1467-1482.	2.5	3
448	Objective Quality Assessment of Image Retargeting by Incorporating Fidelity Measures and Inconsistency Detection. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 5980-5993.	6.0	19
449	3D saliency detection based on background detection. <i>Journal of Visual Communication and Image Representation</i> , 2017, 48, 238-253.	1.7	4
450	Pixel-based airplanes segmentation in remote sensing image. , 2017, , .		1
451	An improved superpixel-based saliency detection method. , 2017, , .		1
452	Efficient HD video and image salient object detection with hierarchical boolean map approach. , 2017, , .		1
453	Detection and Monitoring of Oil Spills Using Moderate/High-Resolution Remote Sensing Images. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 154-169.	2.1	12
454	Visual saliency detection using local patches contrast. , 2017, , .		0
455	A superpixel-based saliency model for robust autofocus in low contrast images. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
456	Extended Locality-Constrained Linear Self-Coding for Saliency Detection. IEEE Signal Processing Letters, 2017, 24, 1458-1462.	2.1	3
457	Visual attention analysis and prediction on human faces. Information Sciences, 2017, 420, 417-430.	4.0	29
459	Learning Visual Importance for Graphic Designs and Data Visualizations. , 2017, , .		102
460	Leveraging Gaussian Process Approximations for Rapid Image Overlay Production. , 2017, , .		2
461	Deep Salient Object Detection via Hierarchical Network Learning. Lecture Notes in Computer Science, 2017, , 319-329.	1.0	2
462	Reprint of "Two-stage sparse coding of region covariance via Log-Euclidean kernels to detect saliency". Neural Networks, 2017, 92, 47-59.	3.3	1
463	Hierarchical saliency optimization. , 2017, , .		0
464	Change detection in SAR images based on the salient map guidance and an accelerated genetic algorithm. , 2017, , .		9
465	Combining multi-layer integration algorithm with background prior and label propagation for saliency detection. Journal of Visual Communication and Image Representation, 2017, 48, 110-121.	1.7	7
466	Saliency-guided Pairwise Matching. Pattern Recognition Letters, 2017, 97, 37-43.	2.6	2
467	Computational Visual Attention Models. Foundations and Trends in Signal Processing, 2017, 10, 347-427.	12.0	5
468	Visual Attention Modeling for Stereoscopic Video: A Benchmark and Computational Model. IEEE Transactions on Image Processing, 2017, 26, 4684-4696.	6.0	52
469	Learning Attributes from Human Gaze. , 2017, , .		12
470	Salient object detection via boosting object-level distinctiveness and saliency refinement. Journal of Visual Communication and Image Representation, 2017, 48, 224-237.	1.7	8
471	A Salient Region Detection and Pattern Matching-Based Algorithm for Center Detection of a Partially Covered Tropical Cyclone in a SAR Image. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 280-291.	2.7	35
472	Edge guided salient object detection. Neurocomputing, 2017, 221, 60-71.	3.5	20
473	Airport Detection and Aircraft Recognition Based on Two-Layer Saliency Model in High Spatial Resolution Remote-Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1511-1524.	2.3	80
474	Salient object detection in complex scenes via D-S evidence theory based region classification. Visual Computer, 2017, 33, 1415-1428.	2.5	8

#	ARTICLE	IF	CITATIONS
475	Salient Object Detection via Weighted Low Rank Matrix Recovery. IEEE Signal Processing Letters, 2017, 24, 490-494.	2.1	51
476	WCE Abnormality Detection Based on Saliency and Adaptive Locality-Constrained Linear Coding. IEEE Transactions on Automation Science and Engineering, 2017, 14, 149-159.	3.4	51
477	Unsupervised saliency-guided SAR image change detection. Pattern Recognition, 2017, 61, 309-326.	5.1	56
478	Intensity and Compactness Enabled Saliency Estimation for Leakage Detection in Diabetic and Malarial Retinopathy. IEEE Transactions on Medical Imaging, 2017, 36, 51-63.	5.4	67
479	A novel combination of second-order statistical features and segmentation using multi-layer superpixels for salient object detection. Applied Intelligence, 2017, 46, 254-271.	3.3	8
480	Combining background information and a top-down model for computing salient objects. Multimedia Tools and Applications, 2017, 76, 20815-20832.	2.6	0
481	A novel position prior using fusion of rule of thirds and image center for salient object detection. Multimedia Tools and Applications, 2017, 76, 10521-10538.	2.6	16
482	Aggregating complementary boundary contrast with smoothing for salient region detection. Visual Computer, 2017, 33, 1155-1167.	2.5	11
483	Automatic facial flaw detection and retouching via discriminative structure tensor. IET Image Processing, 2017, 11, 1068-1076.	1.4	4
484	Deep Cropping via Attention Box Prediction and Aesthetics Assessment. , 2017, , .		75
485	YOLSE: Egocentric Fingertip Detection from Single RGB Images. , 2017, , .		19
486	Segmentation guided local proposal fusion for co-saliency detection. , 2017, , .		8
487	Sar image change detection method based on visual attention. , 2017, , .		0
488	Two Birds With One Stone: A Unified Approach to Saliency and Co-Saliency Detection via Multi-Instance Learning. IEEE Access, 2017, 5, 23519-23531.	2.6	5
489	Beyond Saliency. , 2017, , .		5
490	Gaussian mixture background for salient object detection. , 2017, , .		2
491	A semiautomatic saliency model and its application to video compression. , 2017, , .		14
492	A study of training free salient object detection methods in presence of noise. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
493	An improved manifold ranking based method for saliency detection. , 2017, , .		1
494	Finding saliency object via an integration approach. , 2017, , .		0
495	On the Performance of Visual Semantics for Improving Texture-Based Blind Image Quality Assessment. , 2017, , .		0
496	Image Visual Saliency Feature Extraction Based on Multi-Scale Tensor Space. , 2017, , .		0
497	A novel method based on chan vese segmentation for salient structure detection. , 2017, , .		5
498	Individual trait oriented scanpath prediction for visual attention analysis. , 2017, , .		0
499	Deep saliency quality assessment network. , 2017, , .		4
500	The OUC-vision large-scale underwater image database. , 2017, , .		31
501	On-Road Visual Sign Saliency, Driver Attention Allocation, and Target Detection Accuracy. Transportation Research Record, 2017, 2663, 40-47.	1.0	3
502	SAR image change detection method based on shearlet transform. , 2017, , .		0
503	Unsupervised image segmentation using lab color space. , 2017, , .		2
504	Propagation based saliency detection for infrared pedestrian images. , 2017, , .		1
505	Integrated deep and shallow networks for salient object detection. , 2017, , .		8
506	An accurate saliency prediction method based on generative adversarial networks. , 2017, , .		6
507	Detections of salient region by using fast pixelwise image saliency aggregation (F-PISA). , 2017, , .		1
508	Instance-Level Salient Object Segmentation. , 2017, , .		174
509	Deep Level Sets for Salient Object Detection. , 2017, , .		123
510	Deep 360 Pilot: Learning a Deep Agent for Piloting through 360° Sports Videos. , 2017, , .		115

#	ARTICLE	IF	CITATIONS
511	Visual saliency detection based on region contrast and guided filter. , 2017, , .		2
512	What is and What is Not a Salient Object? Learning Salient Object Detector by Ensembling Linear Exemplar Regressors. , 2017, , .		64
513	Detecting Video Saliency via Local Motion Estimation. , 2017, , .		4
514	Understanding Low- and High-Level Contributions to Fixation Prediction. , 2017, , .		183
515	Saliency detection based object proposal. , 2017, , .		0
516	Hierarchical learning for salient object detection. , 2017, , .		1
517	Structure-Measure: A New Way to Evaluate Foreground Maps. , 2017, , .		827
518	Supervision by Fusion: Towards Unsupervised Learning of Deep Salient Object Detector. , 2017, , .		102
519	An integrated approach to visual attention modelling using spatial-temporal saliency and objectness. , 2017, , .		1
520	HEVC stream saliency extraction: Synergies between FIT and information theory principles. , 2017, , .		0
521	Visual distractors detecting in images using TPTSSR. , 2017, , .		0
522	An image saliency detection algorithm based on color and space information. , 2017, , .		1
523	Salient object detection using array images. , 2017, , .		1
524	Bi-directional superpixel earth mover's distance for training free person re-identification. , 2017, , .		0
525	Saliency Pattern Detection by Ranking Structured Trees. , 2017, , .		9
526	Saliency detection using adaptive background template. IET Computer Vision, 2017, 11, 389-397.	1.3	4
527	Multi-scale salient object detection with pyramid spatial pooling. , 2017, , .		5
528	A saliency detection model combined local and global features. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
529	Saliency-based change detection for aerial and remote sensing imageries. , 2017, , .		0
530	When saliency meets sentiment: Understanding how image content invokes emotion and sentiment. , 2017, , .		10
531	[POSTER] Prevention of Visually Induced Motion Sickness Based on Dynamic Real-Time Content-Aware Non-salient Area Blurring. , 2017, , .		14
532	Dynamic management of a partial reconfigurable hardware architecture for pedestrian detection in regions of interest. , 2017, , .		3
533	An Edge-oriented Framework for Saliency Detection. , 2017, , .		2
534	Learning Multiscale Deep Features and SVM Regressors for Adaptive RGB-T Saliency Detection. , 2017, , .		15
535	Saliency-guided change detection for aerial and remote sensing imageries. , 2017, , .		0
536	Multi-Saliency Detection via Instance Specific Element Homology. , 2017, , .		0
537	National costume image retrieval based on integrated region matching. , 2017, , .		2
538	Interactions Between Saliency and Utility. IS&T International Symposium on Electronic Imaging, 2017, 2017, 77-84.	0.3	1
539	Infrared and visible image fusion via saliency analysis and local edge-preserving multi-scale decomposition. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1400.	0.8	122
540	Saliency Analysis via Hyperparameter Sparse Representation and Energy Distribution Optimization for Remote Sensing Images. Remote Sensing, 2017, 9, 636.	1.8	6
541	Ship Detection in Optical Remote Sensing Images Based on Wavelet Transform and Multi-Level False Alarm Identification. Remote Sensing, 2017, 9, 985.	1.8	23
542	Saliency Map Generation for SAR Images with Bayes Theory and Heterogeneous Clutter Model. Remote Sensing, 2017, 9, 1290.	1.8	9
543	Efficient Bayesian approach to saliency detection based on Dirichlet process mixture. IET Image Processing, 2017, 11, 1103-1113.	1.4	5
544	Image Classification Based on Convolutional Denoising Sparse Autoencoder. Mathematical Problems in Engineering, 2017, 2017, 1-16.	0.6	7
545	Salient Object Detection Based on Background Feature Clustering. Advances in Multimedia, 2017, 2017, 1-9.	0.2	4
546	Saliency-Based Bleeding Localization for Wireless Capsule Endoscopy Diagnosis. International Journal of Biomedical Imaging, 2017, 2017, 1-8.	3.0	6

#	ARTICLE	IF	CITATIONS
547	Region-of-Interest Extraction Based on Local and Global Contrast Analysis and Intra-Spectrum Information Distribution Estimation for Remote Sensing Images. Remote Sensing, 2017, 9, 597.	1.8	7
548	What has been missed for predicting human attention in viewing driving clips?. PeerJ, 2017, 5, e2946.	0.9	7
549	A salient region detection model combining background distribution measure for indoor robots. PLoS ONE, 2017, 12, e0180519.	1.1	1
550	Estimation of Local and Global Superpixel Covariance for Salient Object Detection in Low Contrast Images. , 2017, , .		2
551	A novel superpixel based color spatial feature for salient object detection. , 2017, , .		17
552	Saliency detection using suitable variant of local and global consistency. IET Computer Vision, 2017, 11, 479-487.	1.3	3
553	Video saliency detection using the propagation of image saliency between frames. , 2017, , .		0
554	Visual Saliency Detection Based on Disperse Degree of Color. , 2017, , .		0
555	Center bias enhanced visual saliency detection method. , 2017, , .		1
556	Saliency Estimation Model Based on Superpixel and Regions Contrast. , 2017, , .		0
557	Fuzzy treatment of surroundedness based object detection. , 2017, , .		0
558	A Hierarchical Maritime Target Detection Method for Optical Remote Sensing Imagery. Remote Sensing, 2017, 9, 280.	1.8	33
559	Medical image watermarking using bit threshold map based on just noticeable distortion in discrete cosine transform. Technology and Health Care, 2017, 25, 367-375.	0.5	11
560	Robust saliency detection via corner information and an energy function. IET Computer Vision, 2017, 11, 379-388.	1.3	6
561	Fabric Defect Detection Algorithm Based on Convolution Neural Network and Low-Rank Representation. , 2017, , .		6
562	Saliency in VR: How Do People Explore Virtual Environments?. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 1633-1642.	2.9	289
563	Salient region detection using efficient wavelet-based textural feature maps. Multimedia Tools and Applications, 2018, 77, 16291-16317.	2.6	2
564	Salient Object Detection and Segmentation via Ultra-Contrast. IEEE Access, 2018, 6, 14870-14883.	2.6	2

#	ARTICLE	IF	CITATIONS
565	Deep Saliency Quality Assessment Network With Joint Metric. IEEE Access, 2018, 6, 913-924.	2.6	15
566	Integrating QDWD with pattern distinctness and local contrast for underwater saliency detection. Journal of Visual Communication and Image Representation, 2018, 53, 31-41.	1.7	80
567	Unsupervised Salient Object Detection via Inferring From Imperfect Saliency Models. IEEE Transactions on Multimedia, 2018, 20, 1101-1112.	5.2	28
568	Aircraft detection in remote sensing images based on saliency and convolution neural network. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	21
569	Salient object detection via a local and global method based on deep residual network. Journal of Visual Communication and Image Representation, 2018, 54, 1-9.	1.7	16
570	Prior Fusion and Feature Transformation-Based Principal Component Analysis for Saliency Detection. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1855013.	0.7	2
571	Region of interest extraction via common salient feature analysis and feedback reinforcement strategy for remote sensing images. GIScience and Remote Sensing, 2018, 55, 745-762.	2.4	7
572	A Newly Developed Ground Truth Dataset for Visual Saliency in Videos. IEEE Access, 2018, 6, 20855-20867.	2.6	8
573	Exploring visual attention and saliency modeling for task-based visual analysis. Computers and Graphics, 2018, 72, 26-38.	1.4	23
574	Saliency detection via local structure propagation. Journal of Visual Communication and Image Representation, 2018, 52, 131-142.	1.7	24
575	Random selection-based adaptive saliency-weighted RXD anomaly detection for hyperspectral imagery. International Journal of Remote Sensing, 2018, 39, 2139-2158.	1.3	19
576	Deep Visual Attention Prediction. IEEE Transactions on Image Processing, 2018, 27, 2368-2378.	6.0	489
577	Discrete stationary wavelet transform based saliency information fusion from frequency and spatial domain in low contrast images. Pattern Recognition Letters, 2018, 115, 84-91.	2.6	13
578	A Review of Co-Saliency Detection Algorithms. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-31.	2.9	83
579	Visual Saliency Detection Using Spatiotemporal Decomposition. IEEE Transactions on Image Processing, 2018, 27, 1665-1675.	6.0	14
580	A deep-learning based feature hybrid framework for spatiotemporal saliency detection inside videos. Neurocomputing, 2018, 287, 68-83.	3.5	119
581	Unsupervised image saliency detection with Gestalt-laws guided optimization and visual attention based refinement. Pattern Recognition, 2018, 79, 65-78.	5.1	133
582	Salient object detection via spectral graph weighted low rank matrix recovery. Journal of Visual Communication and Image Representation, 2018, 50, 270-279.	1.7	5

#	ARTICLE	IF	CITATIONS
583	Learning Optimal Seeds for Ranking Saliency. Cognitive Computation, 2018, 10, 347-358.	3.6	5
584	Saliency refinement: Towards a uniformly highlighted salient object. Signal Processing: Image Communication, 2018, 62, 16-32.	1.8	1
585	Fusion of anatomical and functional images using parallel saliency features. Information Sciences, 2018, 430-431, 567-576.	4.0	32
586	Accurate defect detection via sparsity reconstruction for weld radiographs. NDT and E International, 2018, 94, 62-69.	1.7	33
587	Saliency detection based on foreground appearance and background-prior. Neurocomputing, 2018, 301, 46-61.	3.5	11
588	Improving visibility of rear surface cracks during inductive thermography of metal plates using Autoencoder. Infrared Physics and Technology, 2018, 91, 233-242.	1.3	18
589	Saliency propagation with perceptual cues and background-excluded seeds. Journal of Visual Communication and Image Representation, 2018, 54, 51-62.	1.7	2
590	Saliency Detection by Adaptive Channel Fusion. IEEE Signal Processing Letters, 2018, 25, 1059-1063.	2.1	8
591	Contrast-Oriented Deep Neural Networks for Salient Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6038-6051.	7.2	71
592	Saliency detection integrating global and local information. Journal of Visual Communication and Image Representation, 2018, 53, 215-223.	1.7	29
593	A saliency prediction model on 360 degree images using color dictionary based sparse representation. Signal Processing: Image Communication, 2018, 69, 60-68.	1.8	60
594	Coarse-to-fine salient object detection based on deep convolutional neural networks. Signal Processing: Image Communication, 2018, 64, 21-32.	1.8	14
595	Infrared Pedestrian Segmentation Through Background Likelihood and Object-Biased Saliency. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2826-2844.	4.7	14
596	Human Visual System and Vision Modeling. , 2018, , 27-43.		0
597	A fast hybrid retargeting scheme with seam context and content aware strip partition. Neurocomputing, 2018, 286, 198-213.	3.5	5
598	Spatio-Temporal Attention-Based LSTM Networks for 3D Action Recognition and Detection. IEEE Transactions on Image Processing, 2018, 27, 3459-3471.	6.0	179
599	SCOM: Spatiotemporal Constrained Optimization for Salient Object Detection. IEEE Transactions on Image Processing, 2018, 27, 3345-3357.	6.0	78
600	Dense and Sparse Labeling With Multidimensional Features for Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1130-1143.	5.6	20

#	ARTICLE	IF	CITATIONS
601	Learning to Predict Eye Fixations via Multiresolution Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 392-404.	7.2	85
602	Salient Region Detection via Discriminative Dictionary Learning and Joint Bayesian Inference. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1116-1129.	5.6	15
603	Learning Sparse Representation for Objective Image Retargeting Quality Assessment. IEEE Transactions on Cybernetics, 2018, 48, 1276-1289.	6.2	32
604	Story Albums: Creating Fictional Stories From Personal Photograph Sets. Computer Graphics Forum, 2018, 37, 19-31.	1.8	3
605	Content-aware image resizing using quasi-conformal mapping. Visual Computer, 2018, 34, 431-442.	2.5	10
606	A Saliency Dispersion Measure for Improving Saliency-Based Image Quality Metrics. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1462-1466.	5.6	29
607	Salient object detection using a covariance-based CNN model in low-contrast images. Neural Computing and Applications, 2018, 29, 181-192.	3.2	22
608	Fast content-aware resizing of multi-layer information visualization via adaptive triangulation. Journal of Visual Languages and Computing, 2018, 45, 61-73.	1.8	3
609	Saliency detection by hierarchically integrating compactness, contrast and boundary connectivity. Multimedia Tools and Applications, 2018, 77, 11883-11901.	2.6	6
610	A Unified Metric Learning-Based Framework for Co-Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2473-2483.	5.6	162
611	Bayes Saliency-Based Object Proposal Generator for Nighttime Traffic Images. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 814-825.	4.7	23
612	Performance enhancement of salient object detection using superpixel based Gaussian mixture model. Multimedia Tools and Applications, 2018, 77, 8511-8529.	2.6	5
613	Salient object detection based on Laplacian similarity metrics. Visual Computer, 2018, 34, 645-658.	2.5	5
614	Early biological vision inspired system for salience computation in images. Multidimensional Systems and Signal Processing, 2018, 29, 137-184.	1.7	2
615	Point-wise saliency detection on 3D point clouds via covariance descriptors. Visual Computer, 2018, 34, 1325-1338.	2.5	30
616	Saliency detection using quaternionic distance based weber local descriptor and level priors. Multimedia Tools and Applications, 2018, 77, 14343-14360.	2.6	26
617	Discriminative Joint-Feature Topic Model With Dual Constraints for WCE Classification. IEEE Transactions on Cybernetics, 2018, 48, 2074-2085.	6.2	28
618	Reversion Correction and Regularized Random Walk Ranking for Saliency Detection. IEEE Transactions on Image Processing, 2018, 27, 1311-1322.	6.0	114

#	ARTICLE	IF	CITATIONS
619	Saliency detection using contrast enhancement and texture smoothing operations. Signal, Image and Video Processing, 2018, 12, 505-511.	1.7	9
620	MPEG-4 AVC stream-based saliency detection. Application to robust watermarking. Signal Processing: Image Communication, 2018, 60, 116-130.	1.8	0
621	Accurate saliency detection based on depth feature of 3D images. Multimedia Tools and Applications, 2018, 77, 14655-14672.	2.6	8
622	Semantic feature based multi-spectral saliency detection. Multimedia Tools and Applications, 2018, 77, 3387-3403.	2.6	6
623	Salient object detection using local, global and high contrast graphs. Signal, Image and Video Processing, 2018, 12, 659-667.	1.7	4
624	Saliency Detection Based on Multiscale Extrema of Local Perceptual Color Differences. IEEE Transactions on Image Processing, 2018, 27, 703-717.	6.0	30
625	Thresholding in salient object detection: a survey. Multimedia Tools and Applications, 2018, 77, 19139-19170.	2.6	12
626	Saliency ranker: A new salient object detection method. Journal of Visual Communication and Image Representation, 2018, 50, 16-26.	1.7	12
627	Automatic Polyp Detection via a Novel Unified Bottom-Up and Top-Down Saliency Approach. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1250-1260.	3.9	44
628	Is visual saliency useful for content-based image retrieval?. Multimedia Tools and Applications, 2018, 77, 13983-14006.	2.6	9
629	Application of Radial Basis Function Interpolation for Content Aware Image Retargeting. , 2018, , .		2
630	Abnormal event detection in crowded scenes using histogram of oriented contextual gradient descriptor. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.0	18
631	Hardware-Efficient Two-Stage Saliency Detection. , 2018, , .		1
632	Saliency Detection with Side Information on Railway Transportation Dataset. , 2018, , .		1
633	Salient Object Detection by Optimizing Robust Background Detection. , 2018, , .		1
634	Emotional Attention: A Study of Image Sentiment and Visual Attention. , 2018, , .		99
635	Cube Padding for Weakly-Supervised Saliency Prediction in 360° Videos. , 2018, , .		114
636	Gaze Prediction in Dynamic 360° Immersive Videos. , 2018, , .		160

#	ARTICLE	IF	CITATIONS
637	Estimating Attention of Faces Due to its Growing Level of Emotions. , 2018, , .		3
638	Texture-suppressed Visual Attention Model for Grain Insects Detection. , 2018, , .		1
639	A Graph-based Saliency Detection Fusing with Mid-level Features. , 2018, , .		0
640	Saliency Detection using Boundary Aware Regional Contrast Based Seam-map. , 2018, , .		2
641	Simulation of 3D Image Reconstruction in Rigid body Motion. MATEC Web of Conferences, 2018, 232, 02002.	0.1	0
642	Biologically Visual Perceptual Model and Discriminative Model for Road Markings Detection and Recognition. Mathematical Problems in Engineering, 2018, 2018, 1-11.	0.6	2
643	Uniform and Non-Uniform Image Enlargement Based on the Window Kernel. MATEC Web of Conferences, 2018, 164, 01014.	0.1	0
644	Robust Correlation Tracking for UAV Videos via Feature Fusion and Saliency Proposals. Remote Sensing, 2018, 10, 1644.	1.8	9
645	Color Feature Unified-Based Approach for Visual Fixation. , 2018, , .		2
646	Evaluation of VR Movies on Rhythm, Montage and Saliency. , 2018, , .		0
647	A New Hybrid Approach for Saliency Detection in Infrared Images. , 2018, , .		0
648	Conditional Image-to-Image Translation. , 2018, , .		87
649	A Common Framework for Interactive Texture Transfer. , 2018, , .		15
650	Ant Colony Optimization Based Salient Object Detection for Weak Light Images. , 2018, , .		2
651	Learning to Attend to Salient Targets in Driving Videos Using Fully Convolutional RNN. , 2018, , .		15
652	Deep Unsupervised Saliency Detection: A Multiple Noisy Labeling Perspective. , 2018, , .		99
653	Saliency-Based Spatiotemporal Attention for Video Captioning. , 2018, , .		6
654	Visual Saliency Analysis for Common Region of Interest Detection in Multiple Remote Sensing Images. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
655	SAR Image Change Detection Using Saliency Extraction and Shearlet Transform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4701-4710.	2.3	19
656	Salient Structure Detection Using Depth-Wise Analysis. , 2018, , .		0
657	A Bottom-Up Saliency Estimation Approach for Neonatal Retinal Images. Lecture Notes in Computer Science, 2018, , 336-343.	1.0	1
658	Fabric Defect Detection Using Saliency Metric for Color Dissimilarity and Positional Aggregation. IEEE Access, 2018, 6, 49170-49181.	2.6	38
659	Salient Target Detection Based on the Combination of Super-Pixel and Statistical Saliency Feature Analysis for Remote Sensing Images. , 2018, , .		12
660	Detecting and Recognizing Salient Object in Videos. Lecture Notes in Computer Science, 2018, , 62-73.	1.0	1
661	Integrating Sparse Reconstruction Saliency and Target-Aware Active Contour Model for Airport Extraction. , 2018, , .		1
662	Enhancing the Visibility of Delamination during Pulsed Thermography of Carbon Fiber-Reinforced Plates Using a Stacked Autoencoder. Sensors, 2018, 18, 2809.	2.1	20
663	An Improved Algorithm for Saliency Object Detection Based on Manifold Ranking. Lecture Notes in Computer Science, 2018, , 502-512.	1.0	0
664	Stereoscopic saliency estimation with background priors based deep reconstruction. Neurocomputing, 2018, 321, 126-138.	3.5	8
665	Multi-Scale Adversarial Feature Learning for Saliency Detection. Symmetry, 2018, 10, 457.	1.1	16
666	Saliency Detection via Multi-Center Convex Hull Prior. , 2018, , .		3
667	MSGC: A New Bottom-Up Model for Salient Object Detection. , 2018, , .		5
668	Adaptive Multimedia Content Delivery in 5G Networks using DASH and Saliency Information. , 2018, , .		5
669	An Efficient Multi-Scale Local Binary Fitting-Based Level Set Method for Inhomogeneous Image Segmentation. Journal of Sensors, 2018, 2018, 1-17.	0.6	1
670	Saliency Driven Image Manipulation. , 2018, , .		10
671	An Improved Ft Algorithm Based on Center Enhancement and Eigenvalue Normalization. Journal of Physics: Conference Series, 2018, 1069, 012168.	0.3	0
672	Saliency Detection by Multilevel Deep Pyramid Model. Journal of Sensors, 2018, 2018, 1-11.	0.6	3

#	ARTICLE	IF	CITATIONS
673	Saliency Detection in 360° Videos. Lecture Notes in Computer Science, 2018, , 504-520.	1.0	66
674	Saliency detection based on directional patches extraction and principal local color contrast. Journal of Visual Communication and Image Representation, 2018, 57, 1-11.	1.7	58
675	A novel attention-based hybrid CNN-RNN architecture for sEMG-based gesture recognition. PLoS ONE, 2018, 13, e0206049.	1.1	246
676	Reducing Anomaly Detection in Images to Detection in Noise. , 2018, , .		11
677	Learning to Predict where the Children with Asd Look. , 2018, , .		27
678	An improved salient object detection algorithm combining background and foreground connectivity for brain image analysis. Computers and Electrical Engineering, 2018, 71, 692-703.	3.0	41
679	Salient object detection based on HDCT and the prior boundary. , 2018, , .		0
680	Hybrid of extended locality-constrained linear coding and manifold ranking for salient object detection. Journal of Visual Communication and Image Representation, 2018, 56, 27-37.	1.7	1
681	A Nonuniform Method for Extracting Attractive Structures From Images. International Journal of Grid and High Performance Computing, 2018, 10, 14-28.	0.7	1
682	Composing Semantic Collage for Image Retargeting. IEEE Transactions on Image Processing, 2018, 27, 5032-5043.	6.0	21
683	Saliency Map Improvement Using Edge-Aware Filtering. Communications in Computer and Information Science, 2018, , 209-219.	0.4	0
684	A Saliency Map Fusion Method Based on Weighted DS Evidence Theory. IEEE Access, 2018, 6, 27346-27355.	2.6	14
685	Assessment model for perceived visual complexity of painting images. Knowledge-Based Systems, 2018, 159, 110-119.	4.0	27
686	Benchmarking Saliency Detection Methods on Multimodal Image Data. Lecture Notes in Computer Science, 2018, , 11-18.	1.0	0
687	A Master Map: An Alternative Approach to Explore Human's Eye Fixation for Generating Ground Truth Based on Various State-of-the-Art Techniques. Lecture Notes in Electrical Engineering, 2018, , 447-453.	0.3	0
688	Context proposals for saliency detection. Computer Vision and Image Understanding, 2018, 174, 1-11.	3.0	10
689	Predicting Human Eye Fixations via an LSTM-Based Saliency Attentive Model. IEEE Transactions on Image Processing, 2018, 27, 5142-5154.	6.0	379
690	Leukocyte Image Segmentation Using Novel Saliency Detection Based on Positive Feedback of Visual Perception. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.1	3

#	ARTICLE	IF	CITATIONS
691	Eye Fixation Assisted Video Saliency Detection via Total Variation-Based Pairwise Interaction. IEEE Transactions on Image Processing, 2018, 27, 4724-4739.	6.0	7
692	Optimization of Visual Information Presentation for Visual Prosthesis. International Journal of Biomedical Imaging, 2018, 2018, 1-12.	3.0	21
693	A Novel Saliency Detection Method for Wild Animal Monitoring Images with WMSN. Journal of Sensors, 2018, 2018, 1-11.	0.6	9
694	Performance Comparison of Saliency Detection. Advances in Multimedia, 2018, 2018, 1-13.	0.2	8
695	Automatic quantification of choroidal neovascularization lesion area on OCT angiography based on density cell-like P systems with active membranes. Biomedical Optics Express, 2018, 9, 3208.	1.5	23
696	A Survey on Content-Aware Image and Video Retargeting. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-28.	3.0	15
697	Focusness Extraction from Images for Automatic Camera Control by Measuring Objectness. Journal of Imaging Science and Technology, 2018, 62, 205011-2050112.	0.3	0
698	Multi-operator Image Retargeting with Preserving Aspect Ratio of Important Contents. Lecture Notes in Computer Science, 2018, , 306-315.	1.0	4
699	Multi-scale deep neural network for salient object detection. IET Image Processing, 2018, 12, 2036-2041.	1.4	11
700	Color-Boosted Saliency-Guided Rotation Invariant Bag of Visual Words Representation with Parameter Transfer for Cross-Domain Scene-Level Classification. Remote Sensing, 2018, 10, 610.	1.8	5
701	Salient Object Detection via Recursive Sparse Representation. Remote Sensing, 2018, 10, 652.	1.8	14
702	Infrared and Visible Image Fusion Based on Different Constraints in the Non-Subsampled Shearlet Transform Domain. Sensors, 2018, 18, 1169.	2.1	24
703	A novel remote-sensing image fusion method based on hybrid visual saliency analysis. International Journal of Remote Sensing, 2018, 39, 7942-7964.	1.3	9
704	Conditional convolution neural network enhanced random forest for facial expression recognition. Pattern Recognition, 2018, 84, 251-261.	5.1	81
705	Salient object detection based on compactness and foreground connectivity. Machine Vision and Applications, 2018, 29, 1143-1155.	1.7	1
706	CHACT: Convex Hull Enabled Active Contour Technique for Salient Object Detection. IEEE Access, 2018, 6, 22441-22451.	2.6	11
707	Multivariate Filter for Saliency. , 2018, , .		1
708	Hierarchical semantic segmentation of image scene with object labeling. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	3

#	ARTICLE	IF	CITATIONS
709	Hybrid convolutional neural networks and optical flow for video visual attention prediction. <i>Multimedia Tools and Applications</i> , 2018, 77, 29231-29244.	2.6	4
710	Large-scale video compression: recent advances and challenges. <i>Frontiers of Computer Science</i> , 2018, 12, 825-839.	1.6	3
711	Detection of small ship targets from an optical remote sensing image. <i>Frontiers of Optoelectronics</i> , 2018, 11, 275-284.	1.9	3
712	A Novel Saliency-Oriented Superresolution Method for Optical Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1922-1926.	1.4	2
713	Suggesting the Appropriate Number of Observers for Predicting Video Saliency with Eye-Tracking Data. , 2018, , .		0
714	Predicting the Driver's Focus of Attention: The DR(eye)VE Project. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 1720-1733.	9.7	138
715	Semisupervised Learning Based on a Novel Iterative Optimization Model for Saliency Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 225-241.	7.2	13
717	A Deep Network Solution for Attention and Aesthetics Aware Photo Cropping. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 1531-1544.	9.7	251
718	Video-based person re-identification via spatio-temporal attentional and two-stream fusion convolutional networks. <i>Pattern Recognition Letters</i> , 2019, 117, 153-160.	2.6	27
719	Joint salient object detection and existence prediction. <i>Frontiers of Computer Science</i> , 2019, 13, 778-788.	1.6	16
720	Improving Saliency Detection Based on Modeling Photographer's Intention. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 124-134.	5.2	11
721	Assessment of feature fusion strategies in visual attention mechanism for saliency detection. <i>Pattern Recognition Letters</i> , 2019, 127, 37-47.	2.6	9
722	Saliency Integration: An Arbitrator Model. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 98-113.	5.2	11
723	A novel approach for salient object detection using double-density dual-tree complex wavelet transform in conjunction with superpixel segmentation. <i>Knowledge and Information Systems</i> , 2019, 60, 327-361.	2.1	4
724	Point Cloud Saliency Detection by Local and Global Feature Fusion. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5379-5393.	6.0	30
725	SAR image change detection based on deep denoising and CNN. <i>IET Image Processing</i> , 2019, 13, 1509-1515.	1.4	30
726	Mutual Guidance-Based Saliency Propagation for Infrared Pedestrian Images. <i>IEEE Access</i> , 2019, 7, 113355-113371.	2.6	4
727	A Novel Extraction Method for Wildlife Monitoring Images with Wireless Multimedia Sensor Networks (WMSNs). <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2276.	1.3	3

#	ARTICLE	IF	CITATIONS
728	Image saliency detection based on geodesic-like and boundary contrast maps. ETRI Journal, 2019, 41, 797-810.	1.2	6
729	Multi-Layer Abstraction Saliency for Airport Detection in SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9820-9831.	2.7	10
730	Automated retinal lesion detection via image saliency analysis. Medical Physics, 2019, 46, 4531-4544.	1.6	10
731	An Improved U-Net Method for Sequence Images Segmentation. , 2019, , .		2
732	Saliency detection via double nuclear norm maximization and ensemble manifold regularization. Knowledge-Based Systems, 2019, 183, 104850.	4.0	6
733	Multi-Scale Feature Fusion for Coal-Rock Recognition Based on Completed Local Binary Pattern and Convolution Neural Network. Entropy, 2019, 21, 622.	1.1	18
734	Novel event analysis for human-machine collaborative underwater exploration. Pattern Recognition, 2019, 96, 106967.	5.1	21
735	Tire Defect Detection Using Fully Convolutional Network. IEEE Access, 2019, 7, 43502-43510.	2.6	57
736	Object occlusion guided stereo image retargeting. Pattern Recognition Letters, 2019, 125, 798-805.	2.6	3
737	Detecting salient objects in non-stationary video image sequence for analyzing user perceptions of digital video contents. Multimedia Tools and Applications, 2019, 78, 31807-31821.	2.6	2
738	A novel visual attention method for target detection from SAR images. Chinese Journal of Aeronautics, 2019, 32, 1946-1958.	2.8	15
739	Salient object detection: A survey. Computational Visual Media, 2019, 5, 117-150.	10.8	376
740	Gestalt-grouping based on path analysis for saliency detection. Signal Processing: Image Communication, 2019, 78, 9-20.	1.8	1
741	Strong target constrained video saliency detection. SN Applied Sciences, 2019, 1, 1.	1.5	0
742	Accelerated genetic algorithm based on search-space decomposition for change detection in remote sensing images. Applied Soft Computing Journal, 2019, 84, 105727.	4.1	10
743	Improved person re-identification based on saliency and semantic parsing with deep neural network models. Image and Vision Computing, 2019, 92, 103809.	2.7	40
744	Quelques expériences pour développer l'expression de sens en cartographie thématique. Semiotica, 2019, 2019, 167-188.	0.2	0
745	Saliency detection using Multi-layer graph ranking and combined neural networks. Journal of Visual Communication and Image Representation, 2019, 65, 102673.	1.7	2

#	ARTICLE	IF	CITATIONS
746	A Biologically Inspired Saliency Priority Extraction Using Bayesian Framework. International Journal of Multimedia Data Engineering and Management, 2019, 10, 1-20.	0.3	0
747	Human-imperceptible Privacy Protection Against Machines. , 2019, , .		14
748	Acquisition method of usersâ€™ browsing behavior preference based on the fusion of social network link and theme model. Journal of Intelligent and Fuzzy Systems, 2019, 37, 493-508.	0.8	1
749	Simple Method for Detecting Visual Saliencies Based on Dictionary Learning and Sparse Coding. , 2019, , .		1
750	Saliency Priority Using Bottom-up Features for Static and Dynamic Scenes Without Cognitive Bias. , 2019, , .		1
751	Global salient object detection based on multiple visual features. Journal of Physics: Conference Series, 2019, 1237, 032007.	0.3	0
752	Salient Object Detection Integrating Both Background and Foreground Information Based on Manifold Preserving. IEEE Access, 2019, 7, 126831-126841.	2.6	0
753	Lightweight Contrast Modeling for Attention-Aware Visual Localization. , 2019, , .		1
754	Extremely Optimized DRLSE Method and Its Application to Image Segmentation. IEEE Access, 2019, 7, 119603-119619.	2.6	7
755	Unsupervised Deep Slow Feature Analysis for Change Detection in Multi-Temporal Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9976-9992.	2.7	218
756	A Content-Based Approach for Saliency Estimation in 360 Images. , 2019, , .		3
757	Perception-guided multi-channel visual feature fusion for image retargeting. Signal Processing: Image Communication, 2019, 79, 63-70.	1.8	7
758	Graph Based Image Matching Using the Fusion of Several Kinds of Features. , 2019, , .		0
759	Efficient Visual Saliency Detection via Multi-Cues. IEEE Access, 2019, 7, 14728-14735.	2.6	2
760	Boolean Map Saliency: A Surprisingly Simple Method. , 2019, , 11-31.		0
762	A novel approach to reconstruction based saliency detection via convolutional neural network stacked with auto-encoder. Neurocomputing, 2019, 349, 145-155.	3.5	13
763	A target detection algorithm for SAR images based on regional probability statistics and saliency analysis. International Journal of Remote Sensing, 2019, 40, 1394-1410.	1.3	6
764	Software Architecture for Automating Cognitive Science Eye-Tracking Data Analysis and Object Annotation. IEEE Transactions on Human-Machine Systems, 2019, 49, 268-277.	2.5	8

#	ARTICLE	IF	CITATIONS
765	Saliency Detection Based on the Combination of High-Level Knowledge and Low-Level Cues in Foggy Images. <i>Entropy</i> , 2019, 21, 374.	1.1	12
766	Visual Saliency Detection Using a Rule-Based Aggregation Approach. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2015.	1.3	6
767	A Convolutional Encoder-Decoder Network With Skip Connections for Saliency Prediction. <i>IEEE Access</i> , 2019, 7, 60428-60438.	2.6	16
768	Salient object detection via incorporating multiple manifold ranking. <i>Signal, Image and Video Processing</i> , 2019, 13, 1603-1610.	1.7	3
769	High-speed video salient object detection with temporal propagation using correlation filter. <i>Neurocomputing</i> , 2019, 356, 107-118.	3.5	6
770	An adaptive framework for saliency detection. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 382-393.	2.7	0
771	Saliency Guided Image Detail Enhancement. , 2019, , .		14
772	Saliency detection based on self-adaptive multiple feature fusion for remote sensing images. <i>International Journal of Remote Sensing</i> , 2019, 40, 8270-8297.	1.3	45
773	Infrared & visible images fusion based on redundant directional lifting-based wavelet and saliency detection. <i>Infrared Physics and Technology</i> , 2019, 101, 45-55.	1.3	20
774	A novel fusion framework of infrared and visible images based on RLNSST and guided filter. <i>Infrared Physics and Technology</i> , 2019, 100, 99-108.	1.3	10
775	Morphological PDEs on graphs for saliency detection. <i>IET Image Processing</i> , 2019, 13, 931-938.	1.4	0
776	Enhanced Shadow Retargeting with Light-Source Estimation Using Flat Fresnel Lenses. <i>Computers</i> , 2019, 8, 29.	2.1	2
777	Quality-aware dual-modal saliency detection via deep reinforcement learning. <i>Signal Processing: Image Communication</i> , 2019, 75, 158-167.	1.8	9
778	M3S-NIR: Multi-modal Multi-scale Noise-Insensitive Ranking for RGB-T Saliency Detection. , 2019, , .		56
779	Saliency-Guided Deep Neural Networks for SAR Image Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7365-7377.	2.7	71
780	Active manipulator motion planning for planetary landform awareness. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 5057-5071.	0.7	0
781	Reconstructed Saliency for Infrared Pedestrian Images. <i>IEEE Access</i> , 2019, 7, 42652-42663.	2.6	3
782	Image Anomalies: A Review and Synthesis of Detection Methods. <i>Journal of Mathematical Imaging and Vision</i> , 2019, 61, 710-743.	0.8	32

#	ARTICLE	IF	CITATIONS
783	Salient object detection via reliable boundary seeds and saliency refinement. IET Computer Vision, 2019, 13, 302-311.	1.3	3
784	Finding autofocus region in low contrast surveillance images using CNN-based saliency algorithm. Pattern Recognition Letters, 2019, 125, 124-132.	2.6	5
785	Scene Categorization Model Using Deep Visually Sensitive Features. IEEE Access, 2019, 7, 45230-45239.	2.6	20
786	Proper Guidance Image Generation Based on Saliency Factor for Better Transmission Refinement in Image Dehazing. , 2019, , .		0
787	An image watermarking method based on visual saliency and contourlet transform. Optik, 2019, 186, 379-389.	1.4	14
788	A genetic programming framework in the automatic design of combination models for salient object detection. Genetic Programming and Evolvable Machines, 2019, 20, 285-325.	1.5	2
789	High Precision Detection of Salient Objects Based on Deep Convolutional Networks with Proper Combinations of Shallow and Deep Connections. Symmetry, 2019, 11, 5.	1.1	6
790	Beyond saliency: Understanding convolutional neural networks from saliency prediction on layer-wise relevance propagation. Image and Vision Computing, 2019, 83-84, 70-86.	2.7	20
791	Fabric defect detection based on saliency histogram features. Computational Intelligence, 2019, 35, 517-534.	2.1	39
792	Content-Aware Retargeted Image Quality Assessment. Information (Switzerland), 2019, 10, 111.	1.7	4
793	Pipeline leakage detection for district heating systems using multisource data in mid- and high-latitude regions. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 207-222.	4.9	21
794	Dempster-Shafer theory-based hierarchical saliency detection. International Journal of Imaging Systems and Technology, 2019, 29, 329-338.	2.7	1
795	MCCH: A novel convex hull prior based solution for saliency detection. Information Sciences, 2019, 485, 521-539.	4.0	10
796	Region-of-Interest Detection Based on Statistical Distinctiveness for Panchromatic Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 271-275.	1.4	9
797	Salient object detection employing regional principal color and texture cues. Multimedia Tools and Applications, 2019, 78, 19735-19751.	2.6	7
798	Saliency driven image manipulation. Machine Vision and Applications, 2019, 30, 189-202.	1.7	26
799	Saliency prediction by Mahalanobis distance of topological feature on deep color components. Journal of Visual Communication and Image Representation, 2019, 60, 149-157.	1.7	4
800	Predicting Human Saccadic Scanpaths Based on Iterative Representation Learning. IEEE Transactions on Image Processing, 2019, 28, 3502-3515.	6.0	25

#	ARTICLE	IF	CITATIONS
801	Salient object detection using the phase information and object model. Multimedia Tools and Applications, 2019, 78, 19061-19080.	2.6	2
802	Spatio-temporal saliency detection using objectness measure. Signal, Image and Video Processing, 2019, 13, 1055-1062.	1.7	2
803	Extended Non-local Feature for Visual Saliency Detection in Low Contrast Images. Lecture Notes in Computer Science, 2019, , 580-592.	1.0	6
804	Algorithmic Design and Implementation of Unobtrusive Multistatic Serial LiDAR Image. , 2019, , .		0
805	Salient Contour-Aware Based Twice Learning Strategy for Saliency Detection. , 2019, , .		3
806	Visual Saliency Based Ship Extraction Using Improved Bing. , 2019, , .		1
807	Salient Object Detection via Quaternionic Local Ranking Binary Pattern and High-Level Priors. , 2019, , .		0
808	Salient Object Detection based on Multiple Priors Fusion*. , 2019, , .		1
809	Salient Object Detection in Low Contrast Images via Global Convolution and Boundary Refinement. , 2019, , .		7
810	A Novel 3-D Image Retargeting by using Stereo Seam Carving with Disparity Map Acquisition (DMA) Algorithm. , 2019, , .		1
811	SID4VAM: A Benchmark Dataset With Synthetic Images for Visual Attention Modeling. , 2019, , .		5
812	A Saliency Detection Method via Color Contradistinction and Background Similarity. , 2019, , .		0
813	Saliency Detection via Topological Feature Modulated Deep Learning. , 2019, , .		4
814	Attention-based spatial-temporal hierarchical ConvLSTM network for action recognition in videos. IET Computer Vision, 2019, 13, 708-718.	1.3	16
815	Saliency Detection in Images with Complex Background by End-to-End Sparse Maxout CNN. , 2019, , .		0
816	Flood Detection in Sar Images Based on Multi-Depth Flood Detection Convolutional Neural Network. , 2019, , .		2
817	Learning to Explore Intrinsic Saliency for Stereoscopic Video. , 2019, , .		5
818	“Double-DIP” Unsupervised Image Decomposition via Coupled Deep-Image-Priors. , 2019, , .		185

#	ARTICLE	IF	CITATIONS
819	BASNet: Boundary-Aware Salient Object Detection. , 2019, , .		806
820	Surface Patch Detection of 3D Point Cloud Using Local Shape Descriptor. , 2019, , .		0
821	Saliency Detection via Robust Seed Selection of Foreground and Background Priors. , 2019, , .		3
822	Saliency Detection using the Combination of Boundary Aware Color-map and Seam-map. , 2019, , .		1
823	A Visual Residual Perception Optimized Network for Blind Image Quality Assessment. IEEE Access, 2019, 7, 176087-176098.	2.6	14
824	Saliency Computational Model for Foggy Images by Fusing Frequency and Spatial Cues. , 2019, , .		1
825	Visual Saliency Detection Via Background Features and Object-Location Cues. , 2019, , .		1
826	Movie Video Summarization- Generating Personalized Summaries Using Spatiotemporal Salient Region Detection. International Journal of Multimedia Data Engineering and Management, 2019, 10, 1-26.	0.3	3
827	SODâ€œCED: salient object detection for noisy images using convolution encoderâ€œdecoder. IET Computer Vision, 2019, 13, 578-587.	1.3	9
828	Saliency object detection: integrating reconstruction and prior. Machine Vision and Applications, 2019, 30, 397-406.	1.7	6
829	Deep Reinforcement Learning for Automatic Thumbnail Generation. Lecture Notes in Computer Science, 2019, , 41-53.	1.0	3
830	Prediction of mobile image saliency and quality under cloud computing environment. , 2019, 91, 66-76.		2
831	ConnNet: A Long-Range Relation-Aware Pixel-Connectivity Network for Salient Segmentation. IEEE Transactions on Image Processing, 2019, 28, 2518-2529.	6.0	41
832	Guiding attention of faces through graph based visual saliency (GBVS). Cognitive Neurodynamics, 2019, 13, 125-149.	2.3	4
833	Robust pixelwise saliency detection via progressive graph rankings. Neurocomputing, 2019, 329, 433-446.	3.5	8
834	A spatial-frequency-temporal domain based saliency model for low contrast video sequences. Journal of Visual Communication and Image Representation, 2019, 58, 79-88.	1.7	3
835	An image quality assessment algorithm based on saliency and sparsity. Multimedia Tools and Applications, 2019, 78, 11507-11526.	2.6	6
836	SAR Image Change Detection Using PCANet Guided by Saliency Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 402-406.	1.4	48

#	ARTICLE	IF	CITATIONS
837	Saliency-Driven Oil Tank Detection Based on Multidimensional Feature Vector Clustering for SAR Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 653-657.	1.4	21
838	Saliency Detection via Multi-Scale Global Cues. IEEE Transactions on Multimedia, 2019, 21, 1646-1659.	5.2	22
839	Saliency detection via background and foreground null space learning. Signal Processing: Image Communication, 2019, 70, 271-281.	1.8	7
840	CarvingNet: Content-Guided Seam Carving Using Deep Convolution Neural Network. IEEE Access, 2019, 7, 284-292.	2.6	12
841	Traffic sign detection based on visual co-saliency in complex scenes. Applied Intelligence, 2019, 49, 764-790.	3.3	14
842	Graph model-based salient object detection using objectness and multiple saliency cues. Neurocomputing, 2019, 323, 188-202.	3.5	31
843	Spectral Total-Variation Local Scale Signatures for Image Manipulation and Fusion. IEEE Transactions on Image Processing, 2019, 28, 880-895.	6.0	31
844	Target detection of hyperspectral image based on spectral saliency. IET Image Processing, 2019, 13, 316-322.	1.4	6
845	Structured fragment-based object tracking using discrimination, uniqueness, and validity selection. Multimedia Systems, 2019, 25, 487-511.	3.0	6
846	A review of eye-tracking research in tourism. Current Issues in Tourism, 2019, 22, 1244-1261.	4.6	120
847	Scene classification-oriented saliency detection via the modularized prescription. Visual Computer, 2019, 35, 473-488.	2.5	5
848	Importance-based approach for rough drawings. Visual Computer, 2019, 35, 609-622.	2.5	3
849	Constraint saliency based intelligent camera for enhancing viewers attention towards intended face. Pattern Recognition Letters, 2020, 139, 69-78.	2.6	3
850	Object-Based Video Coding by Visual Saliency and Temporal Correlation. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 168-178.	3.2	5
851	Learning adaptive contrast combinations for visual saliency detection. Multimedia Tools and Applications, 2020, 79, 14419-14447.	2.6	8
852	Distinction of 3D Objects and Scenes via Classification Network and Markov Random Field. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2204-2218.	2.9	3
853	Spatial-temporal multi-task learning for salient region detection. Pattern Recognition Letters, 2020, 132, 76-83.	2.6	3
854	Synthesizing Supervision for Learning Deep Saliency Network without Human Annotation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1755-1769.	9.7	82

#	ARTICLE	IF	CITATIONS
855	ROSA: Robust Salient Object Detection Against Adversarial Attacks. IEEE Transactions on Cybernetics, 2020, 50, 4835-4847.	6.2	23
856	An Intelligent Object Detection and Measurement System Based on Trinocular Vision. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 711-724.	5.6	15
857	Saliency detection using multiple low-level priors and a propagation mechanism. Multimedia Tools and Applications, 2020, 79, 33467-33482.	2.6	5
858	Object proposals for salient object segmentation in videos. Multimedia Tools and Applications, 2020, 79, 8677-8693.	2.6	2
859	Adaptive Irregular Graph Construction-Based Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1569-1582.	5.6	12
860	Saliency-Aware Convolution Neural Network for Ship Detection in Surveillance Video. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 781-794.	5.6	133
861	Inferring Salient Objects from Human Fixations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1913-1927.	9.7	134
862	Motion-Aware Rapid Video Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4887-4898.	5.6	28
863	Quality-guided video aesthetics assessment with social media context. Journal of Visual Communication and Image Representation, 2020, 71, 102643.	1.7	1
864	Video salient object detection via spatiotemporal attention neural networks. Neurocomputing, 2020, 377, 27-37.	3.5	13
865	Image saliency detection via multi-scale iterative CNN. Visual Computer, 2020, 36, 1355-1367.	2.5	17
866	Hierarchical-model salient object detection based on manifold ranking. Neurocomputing, 2020, 398, 460-468.	3.5	0
867	Attention-based active visual search for mobile robots. Autonomous Robots, 2020, 44, 131-146.	3.2	15
868	Saliency detection via background prior and foreground seeds. Multimedia Tools and Applications, 2020, 79, 14849-14870.	2.6	2
870	Multi-resolution dynamic mode decomposition-based salient region detection in noisy images. Signal, Image and Video Processing, 2020, 14, 167-175.	1.7	9
871	Relative Saliency and Ranking: Models, Metrics, Data and Benchmarks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	9.7	3
872	Probabilistic Topic Model for Context-Driven Visual Attention Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1653-1667.	5.6	3
873	Integrating manifold ranking with boundary expansion and corners clustering for saliency detection of home scene. Neurocomputing, 2020, 379, 182-196.	3.5	4

#	ARTICLE	IF	CITATIONS
874	Machine learning in medical imaging. , 2020, , 167-196.		12
875	Saliency Detection via Depth-Induced Cellular Automata on Light Field. IEEE Transactions on Image Processing, 2020, 29, 1879-1889.	6.0	34
876	VMD-DMD coupled data-driven approach for visual saliency in noisy images. Multimedia Tools and Applications, 2020, 79, 1951-1970.	2.6	4
877	Spatiotemporal Knowledge Distillation for Efficient Estimation of Aerial Video Saliency. IEEE Transactions on Image Processing, 2020, 29, 1902-1914.	6.0	20
878	Coarse-to-fine salient object detection with low-rank matrix recovery. Neurocomputing, 2020, 376, 232-243.	3.5	10
879	A Multistage Refinement Network for Salient Object Detection. IEEE Transactions on Image Processing, 2020, 29, 3534-3545.	6.0	39
880	Bi-Connect Net for salient object detection. Neurocomputing, 2020, 384, 142-155.	3.5	6
881	Salient object detection via two-stage absorbing Markov chain based on background and foreground. Journal of Visual Communication and Image Representation, 2020, 71, 102727.	1.7	2
882	Learning salient seeds refer to the manifold ranking and background-prior strategy. Multimedia Tools and Applications, 2020, 79, 5859-5879.	2.6	0
883	Low-level feature extraction (including edge detection). , 2020, , 141-222.		4
884	IR saliency detection via a GCF-SB visual attention framework. Journal of Visual Communication and Image Representation, 2020, 66, 102706.	1.7	2
885	Super Diffusion for Salient Object Detection. IEEE Transactions on Image Processing, 2020, 29, 2903-2917.	6.0	10
886	No-Reference Video Quality Assessment Based on Visual Memory Modeling. IEEE Transactions on Broadcasting, 2020, 66, 676-689.	2.5	6
887	Salient Object Detection in Stereoscopic 3D Images Using a Deep Convolutional Residual Autoencoder. IEEE Transactions on Multimedia, 2021, 23, 3388-3399.	5.2	55
888	LiDAR Imaging-based Attentive Perception. , 2020, , .		3
889	Visual fixation prediction with incomplete attention map based on brain storm optimization. Applied Soft Computing Journal, 2020, 96, 106653.	4.1	9
890	Cross-Domain Visual Attention Model Adaption with One-Shot GAN. , 2020, , .		0
891	LAR: a low-power, high-precision mobile phone-based AR system. Personal and Ubiquitous Computing, 2023, 27, 509-521.	1.9	2

#	ARTICLE	IF	CITATIONS
892	EML-NET: An Expandable Multi-Layer NETwork for saliency prediction. Image and Vision Computing, 2020, 95, 103887.	2.7	84
893	Co-learning saliency detection with coupled channels and low-rank factorization. Signal, Image and Video Processing, 2020, 14, 1479-1486.	1.7	0
894	Dynamic Zero-Parallax-Setting Techniques for Multi-View Autostereoscopic Display. IS&T International Symposium on Electronic Imaging, 2020, 32, 98-1-98-6.	0.3	1
895	Visual privacy-preserving level evaluation for multilayer compressed sensing model using contrast and salient structural features. Signal Processing: Image Communication, 2020, 89, 115996.	1.8	5
896	Disparity-preserving image rectangularization for stereoscopic panorama. Multimedia Tools and Applications, 2020, 79, 26123-26138.	2.6	2
897	Revisiting Saliency Metrics: Farthest-Neighbor Area Under Curve. , 2020, , .		3
898	Content-aware rate control scheme for HEVC based on static and dynamic saliency detection. Neurocomputing, 2020, 411, 393-405.	3.5	21
899	LiveDeep: Online Viewport Prediction for Live Virtual Reality Streaming Using Lifelong Deep Learning. , 2020, , .		0
900	3D grasp saliency analysis via deep shape correspondence. Computer Aided Geometric Design, 2020, 81, 101901.	0.5	0
901	Visual saliency based globalâ€“local feature representation for skin cancer classification. IET Image Processing, 2020, 14, 2140-2148.	1.4	9
902	A heuristic framework for perceptual saliency prediction. Journal of Visual Communication and Image Representation, 2020, 73, 102913.	1.7	0
903	A Fast Image Segmentation Algorithm Based on Saliency Map and Neutrosophic Set Theory. IEEE Photonics Journal, 2020, 12, 1-16.	1.0	9
904	A Spectralâ€“Spatial Anomaly Target Detection Method Based on Fractional Fourier Transform and Saliency Weighted Collaborative Representation for Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5982-5997.	2.3	27
905	Boundary-Aware RGBD Salient Object Detection With Cross-Modal Feature Sampling. IEEE Transactions on Image Processing, 2020, 29, 9496-9507.	6.0	11
906	Multi-modal Visual-Thermal Saliency-based Object Detection in Visually-degraded Environments. , 2020, , .		3
907	Visual Saliency via Embedding Hierarchical Knowledge in a Deep Neural Network. IEEE Transactions on Image Processing, 2020, 29, 8490-8505.	6.0	6
908	Learning to Cluster Faces via Confidence and Connectivity Estimation. , 2020, , .		52
909	Improving Retinal Vessels Segmentation via Deep Learning in Salient Region. SN Computer Science, 2020, 1, 1.	2.3	2

#	ARTICLE	IF	CITATIONS
910	Study on Computational Visual Attention System and Its Contribution to Robotic Cognition System. , 2020, , .		0
911	Analysis on Saliency Estimation Methods in High-Resolution Optical Remote Sensing Imagery for Multi-Scale Ship Detection. IEEE Access, 2020, 8, 194485-194496.	2.6	4
912	A Superpixel-Wise Just Noticeable Distortion Model. IEEE Access, 2020, 8, 204816-204824.	2.6	2
913	SAR Image Change Detection Based on Data Optimization and Self-Supervised Learning. IEEE Access, 2020, 8, 217290-217305.	2.6	3
914	Detection Method of Three-Dimensional Echocardiography Based on Deep Learning. Wireless Communications and Mobile Computing, 2020, 2020, 1-6.	0.8	0
915	Multi-Visual Feature Saliency Detection for Sea-Surface Targets through Improved Sea-Sky-Line Detection. Journal of Marine Science and Engineering, 2020, 8, 799.	1.2	13
916	Video Key Object Detection Network via Reinforcement Learning. , 2020, , .		0
917	Learning channel-wise spatio-temporal representations for video salient object detection. Neurocomputing, 2020, 403, 325-336.	3.5	4
918	Object detection based on saturation of visual perception. Multimedia Tools and Applications, 2020, 79, 19925-19944.	2.6	24
919	Ship Target Automatic Detection Based on Hypercomplex Flourier Transform Saliency Model in High Spatial Resolution Remote-Sensing Images. Sensors, 2020, 20, 2536.	2.1	10
920	Learning to Explore Saliency for Stereoscopic Videos Via Component-Based Interaction. IEEE Transactions on Image Processing, 2020, 29, 5722-5736.	6.0	6
921	Salient instance segmentation via subitizing and clustering. Neurocomputing, 2020, 402, 423-436.	3.5	9
922	A General Deep Saliency Enhancement Framework. , 2020, , .		0
923	Salient Object Detection Based On Image Bit-Map. , 2020, , .		2
924	Saliency from High-Level Semantic Image Features. SN Computer Science, 2020, 1, 1.	2.3	0
925	Spatio-temporal Editing Method and Application in Virtual Reality Video. , 2020, , .		1
926	Implementation of 5-Block Convolutional Neural Network (CNN) for Saliency Improvement on Flying Object Detection in Videos. , 2020, , .		5
927	Infrared image segmentation based on multi-information fused fuzzy clustering method for electrical equipment. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090960.	1.3	7

#	ARTICLE	IF	CITATIONS
928	Image attention retargeting using defocus map and bilateral filter. Multimedia Tools and Applications, 2020, 79, 19063-19073.	2.6	1
929	Deeper and Mixed Supervision for Salient Object Detection in Automated Surface Inspection. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	4
930	Saliency threshold: a novel saliency detection model using Ising's theory on Ferromagnetism (STIF). Multimedia Systems, 2020, 26, 397-411.	3.0	2
931	Saliency detection via multiple-morphological and superpixel based fast fuzzy C-mean clustering network. Expert Systems With Applications, 2020, 161, 113654.	4.4	14
932	Model-Guided Multi-Path Knowledge Aggregation for Aerial Saliency Prediction. IEEE Transactions on Image Processing, 2020, 29, 7117-7127.	6.0	3
933	Active Contours in the Complex Domain for Salient Object Detection. Applied Sciences (Switzerland), 2020, 10, 3845.	1.3	3
934	Unsupervised Saliency Detection of Rail Surface Defects using Stereoscopic Images. IEEE Transactions on Industrial Informatics, 2020, , 1-1.	7.2	34
935	Optimisation for image salient object detection based on semantic-aware clustering and CRF. IET Computer Vision, 2020, 14, 49-58.	1.3	3
936	Rule-based aggregation driven by similar images for visual saliency detection. Applied Intelligence, 2020, 50, 1745-1762.	3.3	5
938	Scene recognition: A comprehensive survey. Pattern Recognition, 2020, 102, 107205.	5.1	48
939	Sparse Tensor Auto-Encoder for Saliency Detection. IEEE Access, 2020, 8, 2924-2930.	2.6	0
940	On the implementation of a copyright protection scheme using digital image watermarking. Multimedia Tools and Applications, 2020, 79, 13125-13138.	2.6	17
941	How is Gaze Influenced by Image Transformations? Dataset and Model. IEEE Transactions on Image Processing, 2020, 29, 2287-2300.	6.0	56
942	Viewport-adaptive 360-degree video coding. Multimedia Tools and Applications, 2020, 79, 12205-12226.	2.6	3
943	SEAM - an improved environmental adaptation method with real parameter coding for salient object detection. Multimedia Tools and Applications, 2020, 79, 12995-13010.	2.6	8
944	Fabric Defect Detection Based on Membership Degree of Regions. IEEE Access, 2020, 8, 48752-48760.	2.6	10
945	ROI Extraction Based on Multiview Learning and Attention Mechanism for Unbalanced Remote Sensing Data Set. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6210-6223.	2.7	11
946	Coding structure of JMVCDC along saliency mapping: a prespective compression technique. International Journal of Communication Systems, 2020, , e4361.	1.6	0

#	ARTICLE	IF	CITATIONS
947	Learning residual refinement network with semantic context representation for real-time saliency object detection. Pattern Recognition, 2020, 105, 107372.	5.1	12
948	A brief survey of visual saliency detection. Multimedia Tools and Applications, 2020, 79, 34605-34645.	2.6	43
949	Explore double-opponency and skin color for saliency detection. Neurocomputing, 2021, 425, 219-230.	3.5	3
950	CascNet: No-reference saliency quality assessment with cascaded applicability sorting and comparing network. Neurocomputing, 2021, 425, 231-242.	3.5	5
951	Robust Visual Saliency Optimization Based on Bidirectional Markov Chains. Cognitive Computation, 2021, 13, 69-80.	3.6	26
952	SAC-Net: Spatial Attenuation Context for Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1079-1090.	5.6	46
953	Fixation data analysis for complex high-resolution satellite images*. Geocarto International, 2021, 36, 698-719.	1.7	0
954	Saliency Detection via Manifold Ranking Based on Robust Foreground. International Journal of Automation and Computing, 2021, 18, 73-84.	4.5	3
955	A Novel Just-Noticeable-Difference-Based Saliency-Channel Attention Residual Network for Full-Reference Image Quality Predictions. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2602-2616.	5.6	25
956	Annotation of images using local binary pattern and local derivative pattern after salient object detection using minimum directional contrast and gradient vector flow. Signal, Image and Video Processing, 2021, 15, 861-869.	1.7	2
957	A semi-supervised recurrent neural network for video salient object detection. Neural Computing and Applications, 2021, 33, 2065-2083.	3.2	14
958	Salient object detection using task simulation as a new input. Multimedia Tools and Applications, 2021, 80, 8689-8719.	2.6	0
959	Predicting atypical visual saliency for autism spectrum disorder via scale-adaptive inception module and discriminative region enhancement loss. Neurocomputing, 2021, 453, 610-622.	3.5	9
960	Visual saliency detection by integrating spatial position prior of object with background cues. Expert Systems With Applications, 2021, 168, 114219.	4.4	44
961	Attention-aware concentrated network for saliency prediction. Neurocomputing, 2021, 429, 199-214.	3.5	9
962	MAFNet: Multi-style attention fusion network for salient object detection. Neurocomputing, 2021, 422, 22-33.	3.5	23
963	Structure preservation of image using an efficient content-aware image retargeting technique. Signal, Image and Video Processing, 2021, 15, 185-193.	1.7	15
964	Salient object detection from low contrast images based on local contrast enhancing and non-local feature learning. Visual Computer, 2021, 37, 2069-2081.	2.5	10

#	ARTICLE	IF	CITATIONS
965	Content-and-disparity-aware stereoscopic video stabilization. Multimedia Tools and Applications, 2021, 80, 1545-1564.	2.6	2
966	DeepVS2.0: A Saliency-Structured Deep Learning Method for Predicting Dynamic Visual Attention. International Journal of Computer Vision, 2021, 129, 203-224.	10.9	5
967	Unmanned Aerial Vehicle Recognition of Maritime Small-Target Based on Biological Eagle-Eye Vision Adaptation Mechanism. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3368-3382.	2.6	11
968	PrivAttNet: Predicting Privacy Risks in Images Using Visual Attention. , 2021, , .		2
969	Salt Dome Detection Using Context-Aware Saliency. , 2021, , .		0
970	Level set method with Retinexâ€œcorrected saliency embedded for image segmentation. IET Image Processing, 2021, 15, 1530-1541.	1.4	3
971	Deep Cognitive Gate: Resembling Human Cognition for Saliency Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	2
972	Vehicle target detection in special parkinglot based on feature clustering. , 2021, , .		0
973	WGI-Net: A weighted group integration network for RGB-D salient object detection. Computational Visual Media, 2021, 7, 115-125.	10.8	8
974	Weakly-Supervised Saliency Detection via Salient Object Subitizing. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4370-4380.	5.6	13
975	Cosaliency Detection and Region-of-Interest Extraction via Manifold Ranking and MRF in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	0
976	Saliency Detection Using Deep Features and Affinity-Based Robust Background Subtraction. IEEE Transactions on Multimedia, 2021, 23, 2902-2916.	5.2	19
977	Salient Object Detection Using Water Flow Approach and Image Boundary Contrast Map. , 2021, , .		1
978	Unsupervised Change Detection from Remotely Sensed Images Based on Multi-Scale Visual Saliency Coarse-to-Fine Fusion. Remote Sensing, 2021, 13, 630.	1.8	6
979	Off-the-Shelf Deep Features for Saliency Detection. SN Computer Science, 2021, 2, 1.	2.3	1
980	Semantic-Segmentation-Based Rail Fastener State Recognition Algorithm. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	3
981	Attention-Based Temporal Encoding Network with Background-Independent Motion Mask for Action Recognition. Computational Intelligence and Neuroscience, 2021, 2021, 1-16.	1.1	1
982	Multi-Exposure Image Capturing and Synthesis Technique based on a Multi-Sensor Camera. The Journal of Korean Institute of Information Technology, 2021, 19, 87-102.	0.1	0

#	ARTICLE	IF	CITATIONS
983	Human eye-fixation prediction based on Convolutional Neural Network in RGB images. Journal of Physics: Conference Series, 2021, 1827, 012020.	0.3	0
984	Visual Saliency Detection using Seam and Color Cues. Advances in Science, Technology and Engineering Systems, 2021, 6, 139-153.	0.4	0
985	An Improved Quadtree Sampling Method for InSAR Seismic Deformation Inversion. Remote Sensing, 2021, 13, 1678.	1.8	9
986	Unsupervised Cell Segmentation and Labelling in Neural Tissue Images. Applied Sciences (Switzerland), 2021, 11, 3733.	1.3	1
987	Visual Saliency Models Applied to ROI Detection for Brain MR Images: A Critical Appraisal and Future Prospects. SN Computer Science, 2021, 2, 1.	2.3	1
988	Design and Implementation of Image Recognition for Package Crack of Dry-type Air-core Reactor Package. , 2021, , .		0
989	Deep Multimodal Fusion Autoencoder for Saliency Prediction of RGB-D Images. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	3
990	A deep genetic algorithm for human activity recognition leveraging fog computing frameworks. Journal of Visual Communication and Image Representation, 2021, 77, 103132.	1.7	27
991	Curve Complexity Heuristic KD-trees for Neighborhood-based Exploration of 3D Curves. Computer Graphics Forum, 2021, 40, 461-474.	1.8	5
992	OpenNEEDS: A Dataset of Gaze, Head, Hand, and Scene Signals During Exploration in Open-Ended VR Environments. , 2021, , .		12
993	Instance-level salient object segmentation. Computer Vision and Image Understanding, 2021, 207, 103207.	3.0	3
994	Spatial context-aware network for salient object detection. Pattern Recognition, 2021, 114, 107867.	5.1	23
995	Structure-Measure: A New Way to Evaluate Foreground Maps. International Journal of Computer Vision, 2021, 129, 2622-2638.	10.9	49
996	LiveROI. , 2021, , .		7
997	Markov Chain and Adaboost Image Saliency Detection Algorithm Based on Conditional Random Field. International Journal of Circuits, Systems and Signal Processing, 2021, 15, 762-773.	0.2	0
998	BTS-Net: Bi-Directional Transfer-And-Selection Network for RGB-D Salient Object Detection. , 2021, , .		33
999	Saliency Computation for Virtual Cinematography in 360° Videos. IEEE Computer Graphics and Applications, 2021, 41, 99-106.	1.0	2
1000	Structured object tracking with discriminative patch attributed relational graph. Knowledge-Based Systems, 2021, 225, 107097.	4.0	1

#	ARTICLE	IF	CITATIONS
1002	Detection and Segmentation of Unlearned Objects in Unknown Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 6211-6220.	7.2	5
1003	Saliency Detection in Weak Light Images via Optimal Feature Selection-Guided Seed Propagation. Scientific Programming, 2021, 2021, 1-17.	0.5	0
1004	Human Behavior Analysis: A Survey on Action Recognition. Applied Sciences (Switzerland), 2021, 11, 8324.	1.3	9
1005	Client-Server Approach for Managing Visual Attention, Integrated in a Cognitive Architecture for a Social Robot. Frontiers in Neurorobotics, 2021, 15, 630386.	1.6	1
1006	Unsupervised foveal vision neural architecture with top-down attention. Neural Networks, 2021, 141, 145-159.	3.3	3
1007	Detecting Salient Image Objects Using Color Histogram Clustering for Region Granularity. Journal of Imaging, 2021, 7, 187.	1.7	3
1008	Activity guided multi-scales collaboration based on scaled-CNN for saliency prediction. Image and Vision Computing, 2021, 114, 104267.	2.7	9
1009	Multi-pathway feature integration network for salient object detection. Neurocomputing, 2021, 461, 462-478.	3.5	0
1010	Semantic and detail collaborative learning network for salient object detection. Neurocomputing, 2021, 462, 478-490.	3.5	5
1011	Graph-based saliency detection using a learning joint affinity matrix. Neurocomputing, 2021, 458, 33-46.	3.5	4
1012	Infrared dim target detection via mode-k1k2 extension tensor tubal rank under complex ocean environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 181, 167-190.	4.9	31
1013	A Saliency Based Image Fusion Framework for Skin Lesion Segmentation and Classification. Computers, Materials and Continua, 2022, 70, 3235-3250.	1.5	1
1014	Saliency Prediction on Omnidirectional Image With Generative Adversarial Imitation Learning. IEEE Transactions on Image Processing, 2021, 30, 2087-2102.	6.0	16
1015	Visual Security Assessment via Saliency-Weighted Structure and Orientation Similarity for Selective Encrypted Images. Security and Communication Networks, 2021, 2021, 1-16.	1.0	0
1016	Context-aware saliency detection for image retargeting using convolutional neural networks. Multimedia Tools and Applications, 2021, 80, 11917-11941.	2.6	21
1017	Unsupervised Learning for Salient Object Detection via Minimization of Bilinear Factor Matrix Norm. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1354-1366.	7.2	1
1018	Bottom-Up Visual Attention for Still Images: A Global View. Springer Series in Cognitive and Neural Systems, 2016, , 123-140.	0.1	3
1019	Optimal Feature Selection for Saliency Seed Propagation in Low Contrast Images. Lecture Notes in Computer Science, 2018, , 35-45.	1.0	2

#	ARTICLE	IF	CITATIONS
1020	Pairwise Body-Part Attention for Recognizing Human-Object Interactions. Lecture Notes in Computer Science, 2018, , 52-68.	1.0	70
1021	Sequential Clique Optimization for Video Object Segmentation. Lecture Notes in Computer Science, 2018, , 537-556.	1.0	12
1022	On the Saliency of Adversarial Examples. Lecture Notes in Computer Science, 2019, , 221-232.	1.0	1
1023	Retinal Vessels Segmentation by Improving Salient Region Combined with Sobel Operator Condition. Lecture Notes in Computer Science, 2019, , 608-617.	1.0	6
1024	Smart Thumbnail: Automatic Image Cropping by Mining Canonical Query Objects. Lecture Notes in Computer Science, 2013, , 337-349.	1.0	1
1025	Salient Montages from Unconstrained Videos. Lecture Notes in Computer Science, 2014, , 472-488.	1.0	21
1026	A Closer Look at Context: From Coxels to the Contextual Emergence of Object Saliency. Lecture Notes in Computer Science, 2014, , 708-724.	1.0	8
1028	Content-Adaptive Rain and Snow Removal Algorithms for Single Image. Lecture Notes in Computer Science, 2014, , 439-448.	1.0	11
1029	Saliency Weighted Features for Person Re-identification. Lecture Notes in Computer Science, 2015, , 191-208.	1.0	16
1030	Human Skin Segmentation Improved by Saliency Detection. Lecture Notes in Computer Science, 2015, , 146-157.	1.0	5
1031	Single Image Visual Obstacle Avoidance for Low Power Mobile Sensing. Lecture Notes in Computer Science, 2015, , 261-272.	1.0	5
1032	Multi-level Net: A Visual Saliency Prediction Model. Lecture Notes in Computer Science, 2016, , 302-315.	1.0	12
1033	Deep Learning Features Inspired Saliency Detection of 3D Images. Lecture Notes in Computer Science, 2016, , 580-589.	1.0	11
1034	Video-Based Fire Detection with Saliency Detection and Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 299-309.	1.0	7
1035	Gaze2Segment: A Pilot Study for Integrating Eye-Tracking Technology into Medical Image Segmentation. Lecture Notes in Computer Science, 2017, , 94-104.	1.0	5
1036	Image Retrieval Based on Saliency Attention. Advances in Intelligent Systems and Computing, 2014, , 177-188.	0.5	8
1037	RGB-D Salient Object Detection via Feature Fusion and Multi-scale Enhancement. Communications in Computer and Information Science, 2015, , 359-368.	0.4	5
1038	Tropical Cyclone Center Location in SAR Images Based on Feature Learning and Visual Saliency. Springer Natural Hazards, 2017, , 141-181.	0.1	3

#	ARTICLE	IF	CITATIONS
1039	Moving Object Tracking and Detection Based on Kalman Filter and Saliency Mapping. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 639-646.	0.5	6
1040	RGB-T Saliency Detection Benchmark: Dataset, Baselines, Analysis and a Novel Approach. <i>Communications in Computer and Information Science</i> , 2018, , 359-369.	0.4	77
1041	An automatic change detection approach for rapid flood mapping in Sentinel-1 SAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 123-135.	1.4	84
1042	Salient region detection and object segmentation in color images using dynamic mode decomposition. <i>Journal of Computational Science</i> , 2018, 25, 351-366.	1.5	27
1043	Saliency detection via affinity graph learning and weighted manifold ranking. <i>Neurocomputing</i> , 2018, 312, 239-250.	3.5	33
1044	Dual attention convolutional network for action recognition. <i>IET Image Processing</i> , 2020, 14, 1059-1065.	1.4	14
1045	Exploiting multiple contexts for saliency detection. <i>Journal of Electronic Imaging</i> , 2016, 25, 063005.	0.5	3
1046	Saliency detection via background invariance in scale space. <i>Journal of Electronic Imaging</i> , 2017, 26, 1.	0.5	2
1047	Image salient object detection with refined deep features via convolution neural network. <i>Journal of Electronic Imaging</i> , 2017, 26, 1.	0.5	7
1048	Saliency-driven single image haze removal method based on reliable airlight and transmission. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	4
1049	Saliency detection based on aggregated Wasserstein distance. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	2
1050	Saliency detection based on structural dissimilarity induced by image quality assessment model. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	2
1051	Evaluation of bottom-up saliency model using deep features pretrained by deep convolutional neural networks. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	1
1052	Wind turbine extraction from high spatial resolution remote sensing images based on saliency detection. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	0.6	5
1053	A novel airport extraction model based on saliency region detection for high spatial resolution remote sensing images. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
1054	Saliency detection by using blended membership maps of fast fuzzy-C-mean clustering. , 2019, , .		6
1055	Tactile mesh saliency. <i>ACM Transactions on Graphics</i> , 2016, 35, 1-11.	4.9	49
1056	Helmet Deduction Using Image Processing. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2018, 9, 342.	0.7	2

#	ARTICLE	IF	CITATIONS
1057	Salient object detection using coarse-to-fine processing. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 370.	0.8	2
1058	Saliency Detection via Boundary Prior and Center Prior. International Robotics & Automation Journal, 2017, 2, .	0.3	1
1059	A New Approach on Skull Stripping of Brain MRI based on Saliency Detection using Dictionary Learning and Sparse Coding. Prospectiva, 2019, 17, .	0.2	1
1062	Brief Analysis on Typical Image Saliency Detection Methods. , 0, , .		1
1063	Which Saliency Detection Method is the Best to Estimate the Human Attention for Adjective Noun Concepts?. , 2017, , .		2
1064	An In Depth View of Saliency. , 2013, , .		90
1065	Depth Quality-Inspired Feature Manipulation for Efficient RGB-D Salient Object Detection. , 2021, , .		53
1066	Salient Error Detection based Refinement for Wide-baseline Image Interpolation. , 2021, , .		0
1067	A New Salient Region Detection Based on Biomimetic Information. , 0, , .		0
1068	Multimodal Mixed Conditional Random Field Model for Category-Independent Object Detection. Advances in Intelligent Systems and Computing, 2014, , 629-641.	0.5	1
1069	Salient Object Detection Based on Regional Contrast and Relative Spatial Compactness. KSII Transactions on Internet and Information Systems, 2013, 7, 2737-2753.	0.7	1
1070	An Efficient Implementation of Context-aware Saliency Using a Stochastic Approach. International Journal of Multimedia and Ubiquitous Engineering, 2013, 8, 119-126.	0.3	0
1071	Evolutionary Feature Combination Based Seed Learning for Diffusion-Based Saliency. Lecture Notes in Computer Science, 2014, , 822-834.	1.0	1
1072	Color Image Segmentation in RGB Color Space Based on Color Saliency. IFIP Advances in Information and Communication Technology, 2014, , 348-357.	0.5	2
1073	A New Framework for Direct Saliency Detection and Segmentation Based on Graph Methods. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 379-392.	0.2	0
1074	Salient Region Detection based on Global Contrast and Object-Biased Gaussian Refinement. Journal of Multimedia, 2014, 9, .	0.3	1
1075	An Artificial Visual Attention Model based on Opponent Process Theory for Salient Region Segmentation. Journal of the Institute of Electronics and Information Engineers, 2014, 51, 157-168.	0.0	0
1076	ACCELERATED SEAM CARVING USING CUDA. International Journal of Research in Engineering and Technology, 2014, 03, 304-306.	0.1	0

#	ARTICLE	IF	CITATIONS
1077	Depth-Based Stereoscopic Projection Approach for 3D Saliency Detection. Lecture Notes in Computer Science, 2015, , 664-673.	1.0	1
1078	The Influence of Different Important Map for Image Retargeting. , 2015, , .		0
1079	Salient Object Detection via Saliency Spread. Lecture Notes in Computer Science, 2015, , 457-472.	1.0	0
1080	An Experimental Analysis of Saliency Detection with Respect to Three Saliency Levels. Lecture Notes in Computer Science, 2015, , 806-821.	1.0	4
1081	Biologically Inspired Components in Embedded Vision Systems. International Journal of Systems Biology and Biomedical Technologies, 2015, 3, 39-72.	0.2	0
1082	Improved Bayesian Saliency Detection Based on BING and Graph Model. Open Cybernetics and Systemics Journal, 2015, 9, 648-656.	0.3	0
1083	An Approach for Finding Saliency Regions in 3D Images and Videos. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	0
1084	Extraction of an Effective Saliency Map for Stereoscopic Images using Texture Information and Color Contrast. Journal of Korea Multimedia Society, 2015, 18, 1008-1018.	0.1	0
1085	Detecting Salient Objects via Spatial and Appearance Compactness Hypotheses. , 2015, , .		1
1086	Video Background Subtraction Algorithm for a Moving Camera. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 83-96.	0.3	1
1087	Saliency Detection Based on Adaptive Boundary. , 2016, , .		0
1088	Saliency Detection Model for Low Contrast Images Based on Amplitude Spectrum Analysis and Superpixel Segmentation. Communications in Computer and Information Science, 2016, , 454-460.	0.4	0
1089	Salient Object Detection from Single Haze Images via Dark Channel Prior and Region Covariance Descriptor. Communications in Computer and Information Science, 2016, , 99-106.	0.4	0
1090	Content-Aware Image Retargeting. Advances in Computational Intelligence and Robotics Book Series, 2016, , 115-131.	0.4	2
1091	Robust Object Tracking Using Valid Fragments Selection. Lecture Notes in Computer Science, 2016, 9516, 738-751.	1.0	0
1092	Learning Optimal Seeds for Salient Object Detection. Lecture Notes in Computer Science, 2016, , 113-124.	1.0	0
1093	Object saliency using a background prior. , 2016, , .		7
1094	DETECTION OF HARBOURS FROM HIGH RESOLUTION REMOTE SENSING IMAGERY VIA SALIENCY ANALYSIS AND FEATURE LEARNING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 573-578.	0.2	3

#	ARTICLE	IF	CITATIONS
1095	Toward adaptive fusion of multiple cues for salient region detection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 2365.	0.8	0
1096	FPGA-Based Real-Time Multi-Scale Infrared Target Detection on Sky Background. Journal of the Korea Society of Computer and Information, 2016, 21, 31-38.	0.0	0
1097	Saliency Detection via Combining Global Shape and Local Cue Estimation. Lecture Notes in Computer Science, 2017, , 325-334.	1.0	0
1098	Wiener-Based Inpainting Quality Prediction. IEICE Transactions on Information and Systems, 2017, E100.D, 2614-2626.	0.4	0
1099	A Novel Spatial Information Model for Saliency Detection. Lecture Notes in Computer Science, 2017, , 214-221.	1.0	1
1100	Optimizing Aesthetic-Based Photo Retargeting. Lecture Notes in Computer Science, 2017, , 41-60.	1.0	0
1101	Saliency Detection Using Texture and Local Cues. Communications in Computer and Information Science, 2017, , 689-699.	0.4	0
1102	Saliency Detection via Foreground and Background Seeds. Lecture Notes in Electrical Engineering, 2017, , 145-154.	0.3	1
1103	High-Level Multi-difference Cues for Image Saliency Detection. Communications in Computer and Information Science, 2017, , 508-519.	0.4	0
1104	Particle Swarm Optimization Based Salient Object Detection for Low Contrast Images. Lecture Notes in Computer Science, 2017, , 602-612.	1.0	0
1105	Vision Saliency Feature Extraction Based on Multi-scale Tensor Region Covariance. Lecture Notes in Computer Science, 2017, , 185-197.	1.0	0
1106	An Unconstrained Face Detection Algorithm Based on Visual Saliency. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 467-474.	0.5	0
1107	Salient detection based on improved graph models. , 2017, , .		0
1108	Weakly supervised semantic segmentation using fore-background priors. Proceedings of SPIE, 2017, , .	0.8	0
1109	Image structure-based saliency detection. Journal of Electronic Imaging, 2017, 26, 1.	0.5	1
1110	Airport object extraction based on visual attention mechanism and parallel line detection. , 2017, , .		0
1111	Attending Prominent Face in the Set of Multiple Faces Through Relative Visual Saliency. Advances in Intelligent Systems and Computing, 2018, , 89-105.	0.5	0
1112	Object Proposals-Based Significance Map for Image Retargeting. Advances in Intelligent Systems and Computing, 2018, , 89-101.	0.5	2

#	ARTICLE	IF	CITATIONS
1113	Biologically Inspired Components in Embedded Vision Systems. , 2018, , 458-493.		0
1114	Layout-Driven Top-Down Saliency Detection for Webpage. Lecture Notes in Computer Science, 2018, , 438-446.	1.0	0
1115	A Novel Saliency Based Bit Allocation and RDO for HEVC. Lecture Notes in Computer Science, 2018, , 70-78.	1.0	0
1116	Discriminative Image Representation based on Multi-Cues for Computational Advertising. , 2018, , .		0
1117	Saliency Detection via Bidirectional Absorbing Markov Chain. Lecture Notes in Computer Science, 2018, , 495-505.	1.0	2
1118	Image Classification Based on Improved Spatial Pyramid Matching Model. Lecture Notes in Computer Science, 2018, , 153-164.	1.0	1
1119	Fabric defect detection based on visual saliency using deep feature and low-rank recovery. , 2018, , .		1
1120	Comparing salience detection algorithms in mammograms. , 2018, , .		0
1121	A Novel Saliency Measure Using Entropy and Rule of Thirds. Advances in Intelligent Systems and Computing, 2019, , 461-472.	0.5	0
1122	Maritime detection framework 2.0: a new approach of maritime target detection in electro-optical sensors. , 2018, , .		1
1123	Chapter 7. Gaze and face-to-face interaction. Advances in Interaction Studies, 0, , 139-168.	1.0	0
1124	Binary Sparse Representation Based on Arbitrary Quality Metrics and Its Applications. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1776-1785.	0.2	0
1125	Human fixations detection model in video-compressed-domain based on MVE and OBDL. , 2018, , .		2
1126	Blind tone-mapped image quality assessment based on clustering perception. , 2018, , .		0
1127	Salient Object Detection based on Bayesian Surprise of Restricted Boltzmann Machine. , 2018, , .		1
1128	Object Detection in The Image Using the Method of Selecting Significant Structures. International Journal of Engineering and Technology(UAE), 2018, 7, 1187.	0.2	0
1130	Standard Deviation Clustering Combined with Visual Psychological Test Algorithm for Image Segmentation. Lecture Notes in Computer Science, 2019, , 516-525.	1.0	0
1131	Saliency Detection Based on Foreground and Background Propagation. Lecture Notes in Computer Science, 2019, , 222-231.	1.0	0

#	ARTICLE	IF	CITATIONS
1132	Application of dynamic saliency maps to the video stream recognition systems with image quality assessment. , 2019, , .		4
1133	Saliency Assessment Using Selective Features Based on Entropy and Wavelet Transform. , 2019, , .		0
1134	Dynamically manipulated accommodation-invariant displays. , 2019, , .		0
1135	Temporal attention quality aware network for video-based person re-identification. , 2019, , .		0
1136	Feature Points Selection for Rectangle Panorama Stitching. Proceedings in Adaptation, Learning and Optimization, 2020, , 118-124.	1.5	0
1137	Traffic sign detection and recognition in natural scene based on human visual perception mechanism. , 2019, , .		0
1138	Weighted Linear Multiple Kernel Learning for Saliency Detection. EAI/Springer Innovations in Communication and Computing, 2020, , 201-213.	0.9	0
1139	A Visual Saliency Detection Approach by Fusing Low-Level Priors With High-Level Priors. International Journal of Computer Vision and Image Processing, 2019, 9, 23-37.	0.3	1
1140	Face-aware Saliency Estimation Model for 360° Images. , 2019, , .		1
1141	Salient regions detection in satellite images using the combination of MSER local features detector and saliency models. Journal of Geospatial Information Technology, 2019, 7, 1-20.	0.2	0
1142	Yarn-Dyed Fabric Defect Detection based on Multi-resolution Global and Local Saliency. , 2019, , .		0
1143	A Salient Object Detection Model Based on Local-region Contrast for Night Security and Assurance. , 2019, , .		1
1144	A competition-based image saliency model. , 2019, , .		0
1145	Solving computer vision tasks with diffractive neural networks. , 2019, , .		1
1146	A Novel Vision-Based Towing Angle Estimation for Maritime Towing Operations. Journal of Marine Science and Engineering, 2020, 8, 356.	1.2	2
1147	Visual attention method based on vertex ranking of graphs by heterogeneous image attributes. Computer Optics, 2020, 44, .	1.3	3
1148	RGB-T Saliency Detection via Robust Graph Learning and Collaborative Manifold Ranking. Communications in Computer and Information Science, 2020, , 670-684.	0.4	3
1149	Image Salient Object Detection Based on K-means and Level Set Superpixel Segmentation. Journal of Physics: Conference Series, 2020, 1693, 012138.	0.3	0

#	ARTICLE	IF	CITATIONS
1150	Visual Saliency Detection for Water Surface Contaminants. , 2020, , .		0
1151	Graph Saliency Network: Using Graph Convolution Network on Saliency Detection. , 2020, , .		1
1152	A Novel Algorithm for Salient Region Detection. Communications in Computer and Information Science, 2020, , 401-410.	0.4	2
1153	Volumetric Head-Mounted Display With Locally Adaptive Focal Blocks. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1415-1427.	2.9	4
1154	Preliminary Study on Visual Attention Maps of Experts and Nonexperts When Examining Pathological Microscopic Images. Communications in Computer and Information Science, 2020, , 140-149.	0.4	0
1155	Salient Object Detection via Graph-Based Flexible Manifold Ranking. Lecture Notes in Computer Science, 2020, , 396-405.	1.0	0
1156	Feature Distillation in Deep Attention Network Against Adversarial Examples. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3691-3705.	7.2	2
1157	CASTing Your Model: Learning to Localize Improves Self-Supervised Representations. , 2021, , .		26
1158	A novel fully convolutional network for visual saliency prediction. PeerJ Computer Science, 2020, 6, e280.	2.7	6
1159	Methods and Perspectives in Face Tracking Based on Human Perception. Advances in Computational Intelligence and Robotics Book Series, 0, , 289-315.	0.4	0
1160	Methods and Perspectives in Face Tracking Based on Human Perception. , 0, , 540-566.		0
1161	Design, Analysis, and Implementation of Efficient Framework for Image Annotation. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-24.	3.0	1
1162	Tactile Sketch Saliency. , 2020, , .		3
1163	Functional gaze prediction in egocentric video. , 2020, , .		2
1164	Real-time multi-GPU-based 8KVR stitching and streaming on 5G MEC/Cloud environments. ETRI Journal, 2022, 44, 62-72.	1.2	2
1165	HLU ² -Net: A Residual U-Structure Embedded U-Net With Hybrid Loss for Tire Defect Inspection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	86
1166	Salient object detection by aggregating contextual information. Pattern Recognition Letters, 2022, 153, 190-199.	2.6	10
1167	Unsupervised learning based target localization method for pantograph video. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
1168	Advanced Superpixel-Based Features and Machine Learning Based Saliency Detection. , 2020, , .		0
1169	Salient Motion Features for Visual Attention Models. , 2020, , .		0
1170	Multi-Scale Attention Network for Image Cropping. , 2020, , .		0
1171	LCS-EnsemNet: A Semisupervised Deep Neural Network for SAR Image Change Detection With Dual Feature Extraction and Label-Consistent Self-Ensemble. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11903-11925.	2.3	8
1172	Convexity and Contrast Guided Gate Mechanism for Salient Object Detection. , 2021, , .		0
1174	Few-Shot Learning for Fine-Grained Signal Modulation Recognition Based on Foreground Segmentation. IEEE Transactions on Vehicular Technology, 2022, 71, 2281-2292.	3.9	13
1175	Correcting Face Distortion in Wide-Angle Videos. IEEE Transactions on Image Processing, 2022, 31, 366-378.	6.0	3
1176	Object detection and segmentation by composition of fast fuzzy C-mean clustering based maps. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 7173-7188.	3.3	6
1177	Dual-Branch Feature Fusion Network for Salient Object Detection. Photonics, 2022, 9, 44.	0.9	0
1178	Visual saliency guided perceptual adaptive quantization based on HEVC intra-coding for planetary images. PLoS ONE, 2022, 17, e0263729.	1.1	2
1179	SalFBNet: Learning pseudo-saliency distribution via feedback convolutional networks. Image and Vision Computing, 2022, 120, 104395.	2.7	15
1180	A Comprehensive Review on Content-Aware Image Retargeting: From Classical to State-of-the-art Methods. Signal Processing, 2022, 195, 108496.	2.1	14
1182	Meaningful Secret Image Sharing with Saliency Detection. Entropy, 2022, 24, 340.	1.1	9
1183	Learning Static-Adaptive Graphs for RGB-T Image Saliency Detection. Information (Switzerland), 2022, 13, 84.	1.7	0
1184	Multiscale image fusion based on local standard deviation. , 2022, , .		0
1185	Performance evaluation of salient object detection techniques. Multimedia Tools and Applications, 2022, 81, 21741-21777.	2.6	6
1186	Context-Aware Saliency Guided Radiomics: Application to Prediction of Outcome and HPV-Status from Multi-Center PET/CT Images of Head and Neck Cancer. Cancers, 2022, 14, 1674.	1.7	10
1187	Salient object detection based on multi-feature graphs and improved manifold ranking. Multimedia Tools and Applications, 2022, 81, 27551-27567.	2.6	4

#	ARTICLE	IF	CITATIONS
1188	Hyperspectral Anomaly Detection via Dual Dictionaries Construction Guided by Two-Stage Complementary Decision. Remote Sensing, 2022, 14, 1784.	1.8	23
1189	Saliency detection based on hybrid artificial bee colony and firefly optimization. Pattern Analysis and Applications, 2022, 25, 757-772.	3.1	1
1190	Adaptive cropping with interframe relative displacement constraint for video retargeting. Signal Processing: Image Communication, 2022, 104, 116666.	1.8	1
1191	Contour-guided saliency detection with long-range interactions. Neurocomputing, 2022, 488, 345-358.	3.5	1
1192	Encoder deep interleaved network with multi-scale aggregation for RGB-D salient object detection. Pattern Recognition, 2022, 128, 108666.	5.1	20
1193	Analysis of the influence of human faces for the estimation of salience in omnidirectional images. , 2021, , .		0
1194	Scene Context-Aware Salient Object Detection. , 2021, , .		26
1195	Visual Saliency Transformer. , 2021, , .		177
1196	Investigation of Transient Electronics Dissolution Process Based on Artificial Intelligence. , 2021, , .		0
1197	Overview on visual attention and computational saliency. , 2021, , .		0
1198	Collaborative representation with background purification and saliency weight for hyperspectral anomaly detection. Science China Information Sciences, 2022, 65, 1.	2.7	32
1199	A Two-Stage Approach to Important Area Detection in Gathering Place Using a Novel Multi-Input Attention Network. Sensors, 2022, 22, 285.	2.1	0
1200	Review of Visual Saliency Prediction: Development Process from Neurobiological Basis to Deep Models. Applied Sciences (Switzerland), 2022, 12, 309.	1.3	11
1201	Pattern Recognition Analysis of Valve bond Surface Grinding in a Power Plant based on Machine Vision Support Vector Machine Model. , 2021, , .		0
1202	Saliency Region Detection in Complex Scenes Based on Multi-scale Cascaded Attention. , 2021, , .		0
1203	Salient Objects in Clutter. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 2344-2366.	9.7	19
1204	Exploring machine learning: a scientometrics approach using bibliometrix and VOSviewer. SN Applied Sciences, 2022, 4, 143.	1.5	44
1205	Salient Object Detection by LTP Texture Characterization on Opposing Color Pairs under SLICO Superpixel Constraint. Journal of Imaging, 2022, 8, 110.	1.7	5

#	ARTICLE	IF	CITATIONS
1207	Emotional Attention: From Eye Tracking to Computational Modeling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 1682-1699.	9.7	2
1208	Ship Detection in High-Resolution Optical Remote Sensing Images Aided by Saliency Information. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	18
1209	Robust spatio-temporal saliency estimation method for H.264 compressed videos. Multimedia Tools and Applications, 0, , .	2.6	0
1210	Integration of Deep Learned and Handcrafted Features for Image Retargeting Quality Assessment. Cybernetics and Systems, 2023, 54, 673-696.	1.6	2
1211	Multi-Color Space Network for Salient Object Detection. Sensors, 2022, 22, 3588.	2.1	3
1212	Ship detection in infrared images based on YOLOV4 and salient regions. , 2022, , .		1
1213	Visual Saliency Detection in High-Resolution Remote Sensing Images Using Object-Oriented Random Walk Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4698-4707.	2.3	2
1214	Multidimensional Information Alignment for Domain Adaptive Object Detector. SSRN Electronic Journal, 0, , .	0.4	0
1216	Boundary Preserved Salient Object Detection Using Guided Filter Based Hybridization Approach of Transformation and Spatial Domain Analysis. IEEE Access, 2022, 10, 67230-67246.	2.6	6
1217	Robust seed selection of foreground and background priors based on directional blocks for saliency-detection system. Multimedia Tools and Applications, 2023, 82, 427-451.	2.6	4
1218	Multiscale Brain-Like Neural Network for Saliency Prediction on Omnidirectional Images. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 507-518.	2.6	2
1219	A K2 graph-based fusion model with manifold ranking for robot image saliency detection. Progress in Artificial Intelligence, 0, , .	1.5	0
1220	A novel video saliency estimation method in the compressed domain. Pattern Analysis and Applications, 0, , .	3.1	1
1221	Accurate and efficient salient object detection via position prior attention. Image and Vision Computing, 2022, 124, 104508.	2.7	5
1222	Ship Detection in Visible Remote Sensing Image Based on Saliency Extraction and Modified Channel Features. Remote Sensing, 2022, 14, 3347.	1.8	4
1223	Saliency Detection Using a Bio-inspired Spiking Neural Network Driven by Local and Global Saliency. Applied Artificial Intelligence, 2022, 36, .	2.0	0
1224	FGO-Net: Feature and Gaussian Optimization Network for visual saliency prediction. Applied Intelligence, 2023, 53, 6214-6229.	3.3	3
1225	Salient Object Detection via Low-Rank and Structured Sparse Matrix Decomposition. Proceedings of the AAAI Conference on Artificial Intelligence, 2013, 27, 796-802.	3.6	37

#	ARTICLE	IF	CITATIONS
1226	An End-to-End Spatio-Temporal Attention Model for Human Action Recognition from Skeleton Data. Proceedings of the AAAI Conference on Artificial Intelligence, 2017, 31, .	3.6	382
1228	CSWSâ€”Suppress confusion subregion in indoor image fingerprint localization. Engineering Reports, 0, , .	0.9	0
1230	Unsupervised Salient Object Detection with Spectral Cluster Voting. , 2022, , .		16
1231	Change Detection Based on Fusion Difference Image and Multi-Scale Morphological Reconstruction for SAR Images. Remote Sensing, 2022, 14, 3604.	1.8	2
1232	Guided multi-scale refinement network for camouflaged object detection. Multimedia Tools and Applications, 2023, 82, 5785-5801.	2.6	4
1233	TAFFNet: Two-Stage Attention-Based Feature Fusion Network for Surface Defect Detection. Journal of Signal Processing Systems, 2022, 94, 1531-1544.	1.4	2
1234	Display Line Defect Detection Method Based on Color Feature Fusion. Machines, 2022, 10, 723.	1.2	1
1235	Skin scar segmentation based on saliency detection. Visual Computer, 2023, 39, 4887-4899.	2.5	1
1236	Complementary characteristics fusion network for weakly supervised salient object detection. Image and Vision Computing, 2022, 126, 104536.	2.7	3
1237	Improved U-Net-Like Network for Visual Saliency Detection Based on Pyramid Feature Attention. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	1
1238	Complementary Segmentation of Primary Video Objects with Reversible Flows. Applied Sciences (Switzerland), 2022, 12, 7781.	1.3	0
1239	Saliency detection network with two-stream encoder and interactive decoder. Neurocomputing, 2022, 509, 56-67.	3.5	2
1240	Graph Learning Model for Saliency Detection in Thermal Pedestrian Videos. SSRN Electronic Journal, 0, , .	0.4	0
1241	Forest Disaster Detection Method Based on Ensemble Spatialâ€”Spectral Genetic Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 7375-7390.	2.3	2
1242	Evaluation of Vehicle Camouflage Effectiveness Under a Complex Background Based on the Time-Limited Search Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 6133-6143.	2.3	0
1243	SSAPN: Spectralâ€”Spatial Anomaly Perception Network for Unsupervised Vaccine Detection. IEEE Transactions on Industrial Informatics, 2023, 19, 6081-6092.	7.2	2
1244	Learning from Pixel-Level Noisy Label : A New Perspective for Light Field Saliency Detection. , 2022, , .		10
1245	Defensive Patches for Robust Recognition in the Physical World. , 2022, , .		8

#	ARTICLE	IF	CITATIONS
1246	Scene Classification Using Deep Networks Combined with Visual Attention. Journal of Sensors, 2022, 2022, 1-9.	0.6	2
1247	Collaborative representation with multipurification processing and local salient weight for hyperspectral anomaly detection. Journal of Applied Remote Sensing, 2022, 16, .	0.6	2
1248	Saliency Detection via Fusing Color Contrast and Hash Fingerprint. Journal of Electrical and Computer Engineering, 2022, 2022, 1-10.	0.6	1
1249	SGFusion: A saliency guided deep-learning framework for pixel-level image fusion. Information Fusion, 2023, 91, 205-214.	11.7	17
1250	Human Saliency Based Object Detection from Natural Images. Lecture Notes in Electrical Engineering, 2022, , 113-128.	0.3	0
1251	Highly Accurate Dichotomous Image Segmentation. Lecture Notes in Computer Science, 2022, , 38-56.	1.0	15
1252	Image saliency detection based on regional label fusion. , 2022, , .		0
1253	Saliency in Augmented Reality. , 2022, , .		16
1254	Salient detection via the fusion of background-based and multiscale frequency-domain features. Information Sciences, 2022, 618, 53-71.	4.0	5
1255	Human-Centric Image Cropping with Partition-Aware and Content-Preserving Features. Lecture Notes in Computer Science, 2022, , 181-197.	1.0	4
1256	Computational Models of Attention. , 2014, , .		1
1257	Tracking the Progression of Reading Through Eye-gaze Measurements. , 2019, , .		2
1258	Multi-operator image retargeting with visual quality preservation of salient regions. Multimedia Systems, 0, , .	3.0	0
1259	A saliency-guided street view image inpainting framework for efficient last-meters wayfinding. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 195, 365-379.	4.9	1
1260	Joint Learning of Discriminative Metric Space From Multi-Context Visual Scene for Unsupervised Salient Object Detection. IEEE Access, 2022, 10, 126089-126099.	2.6	1
1261	Adaptive Sampling Saliency Detection Based on Content Selective Mapping. , 2022, , .		0
1262	A New Seam Carving Method for Image Resizing Based on Entropy Energy and Lyapunov Exponent. Multimedia Tools and Applications, 2023, 82, 19417-19440.	2.6	1
1263	Salient Object Detection with Fusion of RGB Image and Eye Tracking Data. Communications in Computer and Information Science, 2023, , 86-98.	0.4	0

#	ARTICLE	IF	CITATIONS
1264	Multiscale Cascaded Attention Network for Saliency Detection Based on ResNet. Sensors, 2022, 22, 9950.	2.1	2
1265	Unsupervised Visual Representation Learning Based on Segmentation of Geometric Pseudo-Shapes for Transformer-Based Medical Tasks. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 2003-2014.	3.9	3
1266	Virtual reality and machine learning for predicting visual attention in a daylight exhibition space: A proof of concept. Ain Shams Engineering Journal, 2023, 14, 102098.	3.5	6
1267	Spline-Based Dense Medial Descriptors for Image Simplification Using Saliency Maps. Communications in Computer and Information Science, 2023, , 279-302.	0.4	0
1268	Deep Attentive Skip Connection Model and Gaussian Priors based Visual Saliency Prediction. , 2022, , .		0
1269	Saliency Map Estimation Using a Pixel-Pairwise-Based Unsupervised Markov Random Field Model. Mathematics, 2023, 11, 986.	1.1	0
1270	A Review of Techniques on Gait-Based Person Re-Identification. , 0, , 66-92.		2
1271	Matrix Factorization With Framelet and Saliency Priors for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	2.7	6
1272	RINet: Relative Importance-Aware Network for Fixation Prediction. IEEE Transactions on Multimedia, 2023, 25, 9263-9277.	5.2	3
1273	Learning multiscale pipeline gated fusion for underwater image enhancement. Multimedia Tools and Applications, 2023, 82, 32281-32304.	2.6	2
1274	An improved saliency model of visual attention dependent on image content. Frontiers in Human Neuroscience, 0, 16, .	1.0	0
1275	Multi-scale graph feature extraction network for panoramic image saliency detection. Visual Computer, 2024, 40, 953-970.	2.5	0
1276	EC2Net: Efficient Attention-Based Cross-Context Network for Near Real-Time Salient Object Detection. IEEE Access, 2023, , 1-1.	2.6	0
1277	Object semantic analysis for image captioning. Multimedia Tools and Applications, 0, , .	2.6	0
1281	Challenges and Opportunity for Salient Object Detection in COVID-19 Era: A Study. Lecture Notes in Electrical Engineering, 2023, , 3-13.	0.3	0
1284	Recognition of Unsafe Behavior of Electrical Workers based on Spatial-Temporal Visual Attention. , 2023, , .		0
1293	Flame Recognition Algorithm for aerial cruising firefighting Robot based on RGB and improved YOLOv5. , 2023, , .		0
1298	Comparison of semantic segmentation capabilities of pre-trained models for co-salient object detection. AIP Conference Proceedings, 2023, , .	0.3	0

#	ARTICLE	IF	CITATIONS
1303	The Influence of Text-guidance on Visual Attention. , 2023, , .		0
1305	TempSAL - Uncovering Temporal Information for Deep Saliency Prediction. , 2023, , .		1
1314	A Novel Approach based on Probability Color Distribution and Color Models to Detect Salient Object. , 2023, , .		0
1318	Zero-guidance Segmentation Using Zero Segment Labels. , 2023, , .		0
1326	Towards Efficient Visual Attention Prediction for 360 Degree Videos. , 2024, , .		0
1329	Evaluation of Visual Saliency Models in Immersive Analytics. Lecture Notes in Networks and Systems, 2024, , 375-392.	0.5	0