

# Dmitriy S Vatolin

## List of Publications by Year in descending order

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51  
papers

440  
citations

2258059

3  
h-index

2053705

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g-index

52  
all docs

52  
docs citations

52  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporally coherent person matting trained on fake-motion dataset. , 2022, 126, 103521.		3
2	Stereoscopic quality assessment of 1,000 VR180 videos using 8 metrics. IS&T International Symposium on Electronic Imaging, 2021, 2021, 350-1-350-7.	0.4	0
3	Video-Decoder Power Consumption on Android Devices: Power-Estimation Method, Dataset Creation, and Analysis Results. , 2021, , .		0
4	Method for Enhancing High-Resolution Image Inpainting with Two-Stage Approach. Programming and Computer Software, 2021, 47, 201-206.	0.9	0
5	Machine-Learning-Based Method for Content-Adaptive Video Encoding. , 2021, , .		4
6	Power Consumption of Video-Decoders on Various Android Devices. , 2021, , .		0
7	Applying Objective Quality Metrics to Video-Codec Comparisons: Choosing the Best Metric for Subjective Quality Estimation. , 2021, , .		2
8	Shot Boundary Detection Method Based on a New Extensive Dataset and Mixed Features. , 2021, , .		1
9	BSQ-rate: a New Approach for Video-codec Performance Comparison and Drawbacks of Current Solutions. Programming and Computer Software, 2020, 46, 183-194.	0.9	13
10	Neural-Network-Based Detection Methods for Color, Sharpness, and Geometry Artifacts in Stereoscopic and VR180 Videos. , 2020, , .		0
11	Stereoscopic Dataset from A Video Game: Detecting Converged Axes and Perspective Distortions in S3D Videos. , 2020, , .		0
12	Machine-Learning-Based Method for Finding Optimal Video-Codec Configurations Using Physical Input-Video Features. , 2020, , .		4
13	Improving Video Compression with Deep Visual-attention Models. , 2019, , .		7
14	Toward an objective benchmark for video completion. Signal, Image and Video Processing, 2019, 13, 601-608.	2.7	0
15	Perceptually Motivated Method for Image Inpainting Comparison. , 2019, , .		4
16	Hacking VMAF with Video Color and Contrast Distortion. , 2019, , .		4
17	Predicting Video Saliency Using Crowdsourced Mouse-Tracking Data. , 2019, , .		2
18	Barriers Towards No-reference Metrics Application to Compressed Video Quality Analysis: on the Example of No-reference Metric NIQE. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Multilayer RGBD-Video Completion for Hole Filling in 3D-View Synthesis. , 2018, , .		0
20	LOCAL METHOD OF COLOR-DIFFERENCE CORRECTION BETWEEN STEREOSCOPIC-VIDEO VIEWS. , 2018, , .		1
21	ACCURATE METHOD OF TEMPORAL-SHIFT ESTIMATION FOR 3D VIDEO. , 2018, , .		0
22	CHANNEL-MISMATCH DETECTION ALGORITHM FOR STEREOSCOPIC VIDEO USING CONVOLUTIONAL NEURAL NETWORK. , 2018, , .		0
23	FAST OCCLUSION FILLING METHOD FOR MULTIVIEW VIDEO GENERATION. , 2018, , .		1
24	100+ Times Faster Video Completion by Optical-Flow-Guided Variational Refinement. , 2018, , .		8
25	A semiautomatic saliency model and its application to video compression. , 2017, , .		14
26	Subjective comparison of modern video codecs. , 2017, , .		2
27	The influence of 3D video artifacts on discomfort of 302 viewers. , 2017, , .		4
28	Toward efficient background reconstruction for 3D-view synthesis in dynamic scenes. , 2017, , .		3
29	Sharpness Mismatch and 6 Other Stereoscopic Artifacts Measured on 10 Chinese S3D Movies. IS&T International Symposium on Electronic Imaging, 2017, 29, 137-144.	0.4	1
30	Trends in S3D-Movie Quality Evaluated on 105 Films Using 10 Metrics. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-10.	0.4	8
31	Multilayer semitransparent-edge processing for depth-image-based rendering. , 2016, , .		1
32	Toward fully automatic channel-mismatch detection and discomfort prediction for S3D video. , 2016, , .		1
33	Investigating and predicting the perceptibility protect of channel mismatch in stereoscopic video. Moscow University Computational Mathematics and Cybernetics, 2016, 40, 185-191.	0.3	0
34	Detection of stuck-to-background objects in converted S3D movies. , 2015, , .		0
35	Perceptually Motivated Benchmark for Video Matting. , 2015, , .		29
36	Semiautomatic visual-attention modeling and its application to video compression. , 2014, , .		25

#	ARTICLE	IF	CITATIONS
37	Automatic detection of artifacts in converted S3D video. , 2014, , .		34
38	Methodology for stereoscopic motion-picture quality assessment. , 2013, , .		12
39	3D Video Compression Using Depth Map Propagation. Communications in Computer and Information Science, 2013, , 153-166.	0.5	0
40	Towards automatic stereo-video quality assessment and detection of color and sharpness mismatch. , 2012, , .		6
41	Automatic left-right channel swap detection. , 2012, , .		4
42	Occlusion refinement for stereo video using optical flow. , 2012, , .		0
43	Toward an objective stereo-video quality metric: Depth perception of textured areas. , 2012, , .		2
44	A Designed Functional Metalloenzyme that Reduces O <sub>2</sub> to H <sub>2</sub> O with Over One Thousand Turnovers. Angewandte Chemie - International Edition, 2012, 51, 5589-5592.	13.8	101
45	Temporal filtering for depth maps generated by Kinect depth camera. , 2011, , .		103
46	TEMPORAL POST-PROCESSING METHOD FOR AUTOMATICALLY GENERATED DEPTH MAPS. , 2011, , .		0
47	Double up-conversion of video frame rate based on bidirectional motion compensation. Programming and Computer Software, 2009, 35, 351-364.	0.9	1
48	Edge-Directed Interpolation in a Bayesian Framework. , 2009, , .		1
49	Fast video super-resolution via classification. , 2008, , .		28
50	Video super-resolution using motion compensation and classification-aided fusion. , 2008, , .		1
51	Deep Two-Stage High-Resolution Image Inpainting. , 0, , short18-1-short18-9.		0