

Mylene Farias

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

1,102
citations

686830

13
h-index

580395

25
g-index

123
all docs

123
docs citations

123
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Subjective and Objective Quality Assessment of Audio-Visual Signals. IEEE Transactions on Image Processing, 2020, 29, 6054-6068.	6.0	128
2	No-reference video quality metric based on artifact measurements. , 2005, , .		80
3	A robust error concealment technique using data hiding for image and video transmission over lossy channels. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1394-1406.	5.6	67
4	Detection of Gabor patterns of different sizes, shapes, phases and eccentricities. Vision Research, 2007, 47, 85-107.	0.7	52
5	On performance of image quality metrics enhanced with visual attention computational models. Electronics Letters, 2012, 48, 631.	0.5	39
6	A taxonomy and dataset for 360° videos. , 2019, , .		38
7	No-reference image quality assessment based on statistics of Local Ternary Pattern. , 2016, , .		33
8	Recent developments in visual quality monitoring by key performance indicators. Multimedia Tools and Applications, 2016, 75, 10745-10767.	2.6	33
9	No-Reference Image Quality Assessment Using Orthogonal Color Planes Patterns. IEEE Transactions on Multimedia, 2018, 20, 3353-3360.	5.2	30
10	Towards a Point Cloud Quality Assessment Model using Local Binary Patterns. , 2020, , .		29
11	Bio-inspired optimization algorithms for real underwater image restoration. Signal Processing: Image Communication, 2019, 77, 49-65.	1.8	27
12	Color and Geometry Texture Descriptors for Point-Cloud Quality Assessment. IEEE Signal Processing Letters, 2021, 28, 1150-1154.	2.1	24
13	Objective video quality metric based on data hiding. IEEE Transactions on Consumer Electronics, 2005, 51, 983-992.	3.0	20
14	Detecting tampering in audio-visual content using QIM watermarking. Information Sciences, 2016, 328, 127-143.	4.0	20
15	Multi-Distance Point Cloud Quality Assessment. , 2020, , .		17
16	Perceptual contributions of blocky, blurry and noisy artifacts to overall annoyance. , 2003, , .		16
17	A real-time stereo vision system for distance measurement and underwater image restoration. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2039-2049.	0.8	16
18	Video quality assessment using visual attention computational models. Journal of Electronic Imaging, 2014, 23, 061107.	0.5	15

#	ARTICLE	IF	CITATIONS
19	Digital Television Broadcasting in Brazil. IEEE MultiMedia, 2008, 15, 64-70.	1.5	14
20	Using multiple spatio-temporal features to estimate video quality. Signal Processing: Image Communication, 2018, 64, 1-10.	1.8	14
21	Local Luminance Patterns for Point Cloud Quality Assessment. , 2020, , .		14
22	Full-reference audio-visual video quality metric. Journal of Electronic Imaging, 2014, 23, 061108.	0.5	13
23	On the Application LBP Texture Descriptors and Its Variants for No-Reference Image Quality Assessment. Journal of Imaging, 2018, 4, 114.	1.7	13
24	Point cloud quality assessment based on geometry-aware texture descriptors. Computers and Graphics, 2022, 103, 31-44.	1.4	13
25	Detectability and Annoyance of Synthetic Blocky, Blurry, Noisy, and Ringing Artifacts. IEEE Transactions on Signal Processing, 2007, 55, 2954-2964.	3.2	12
26	Fast Inverse Halftoning Algorithm for Ordered Dithered Images. , 2011, , .		12
27	Blind Image Quality Assessment Using Multiscale Local Binary Patterns. Journal of Imaging Science and Technology, 2016, 60, 060405-1-060405-8.	0.3	12
28	Blind image quality assessment based on multiscale salient local binary patterns. , 2018, , .		12
29	High density two-dimensional color code. Multimedia Tools and Applications, 2019, 78, 1949-1970.	2.6	12
30	NAViDAd: A No-Reference Audio-Visual Quality Metric Based on a Deep Autoencoder. , 2019, , .		12
31	<title>Video quality assessment based on data hiding driven by optical flow information</title>. , 2003, , .		11
32	Quality assessment using data hiding on perceptually important areas. , 2005, , .		11
33	Combining audio and video metrics to assess audio-visual quality. Multimedia Tools and Applications, 2018, 77, 23993-24012.	2.6	11
34	Novel deep learning radiomics model for preoperative evaluation of hepatocellular carcinoma differentiation based on computed tomography data. Clinical and Translational Medicine, 2021, 11, e570.	1.7	11
35	Perceptual contributions of blocky, blurry, noisy, and ringing synthetic artifacts to overall annoyance. Journal of Electronic Imaging, 2012, 21, 043013.	0.5	10
36	Enhancing inverse halftoning via coupled dictionary training. Signal Processing: Image Communication, 2016, 49, 1-8.	1.8	10

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37	Towards Perceptually Driven Segmentation Evaluation Metrics. , 0, , .		9
38	Perceptual Annoyance Models for Videos With Combinations of Spatial and Temporal Artifacts. IEEE Transactions on Multimedia, 2016, 18, 2446-2456.	5.2	9
39	A High Density Colored 2D-Barcode: CQR Code-9. , 2016, , .		8
40	Image quality assessment using BSIF, CLBP, LCP, and LPQ operators. Theoretical Computer Science, 2020, 805, 37-61.	0.5	8
41	Perceptual Quality of Audio-Visual Content with Common Video and Audio Degradations. Applied Sciences (Switzerland), 2021, 11, 5813.	1.3	8
42	Error control and concealment for video transmission using data hiding. , 0, , .		7
43	A hybrid metric for digital video quality assessment. , 2011, , .		7
44	On the impact of packet-loss impairments on visual attention mechanisms. , 2013, , .		7
45	Multi-objective differential evolution algorithm for underwater image restoration. , 2015, , .		7
46	A (2,2) XOR-based visual cryptography scheme without pixel expansion. Journal of Visual Communication and Image Representation, 2019, 63, 102592.	1.7	7
47	Perceptual contributions of blocky, blurry, and fuzzy impairments to overall annoyance. , 2004, 5292, 109.		6
48	Secure self-recovery watermarking scheme for error concealment and tampering detection. Journal of the Brazilian Computer Society, 2016, 22, .	0.8	6
49	Referenceless image quality assessment by saliency, color-texture energy, and gradient boosting machines. Journal of the Brazilian Computer Society, 2018, 24, .	0.8	6
50	UnB-AV: An Audio-Visual Database for Multimedia Quality Research. IEEE Access, 2020, 8, 56641-56649.	2.6	6
51	Video quality objective metric using data hiding. , 0, , .		5
52	Feasibility of video streaming offloading via connection sharing from LTE to WiFi ad hoc networks. , 2015, , .		5
53	Blind Image Quality Assessment Using Multiscale Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2017, 29, 7-14.	0.3	5
54	An Optimized Feature Selection Technique in Diversified Natural Scene Text for Classification Using Genetic Algorithm. IEEE Access, 2021, 9, 54923-54937.	2.6	5

#	ARTICLE	IF	CITATIONS
55	Perceptual analysis of video impairments that combine blocky, blurry, noisy, and ringing synthetic artifacts. , 2005, , .		4
56	Assessing the influence of combinations of blockiness, blurriness, and packet loss impairments on visual attention deployment. , 2015, , .		4
57	Using The Immersive Methodology to Assess The Quality of Videos Transmitted in UDP and TCP-Based Scenarios. IS&T International Symposium on Electronic Imaging, 2018, 2018, 233-1-233-7.	0.3	4
58	A No-Reference Autoencoder Video Quality Metric. , 2019, , .		4
59	Analyzing the influence of cross-modal IP-based degradations on the perceived audio-visual quality. IS&T International Symposium on Electronic Imaging, 2019, 2019, 324-1-324-7.	0.3	4
60	A framework for computationally efficient video quality assessment. Signal Processing: Image Communication, 2019, 70, 57-67.	1.8	4
61	Point cloud quality assessment: unifying projection, geometry, and texture similarity. Visual Computer, 2023, 39, 1907-1914.	2.5	4
62	Some properties of synthetic blocky and blurry artifacts. , 2003, , .		3
63	Incorporating visual attention models into video quality metrics. Proceedings of SPIE, 2014, , .	0.8	3
64	Video quality ruler: A new experimental methodology for assessing video quality. , 2015, , .		3
65	Blind Image Quality Assessment Using Local Variant Patterns. , 2017, , .		3
66	How Deep is Your Encoder: An Analysis of Features Descriptors for an Autoencoder-Based Audio-Visual Quality Metric. , 2020, , .		3
67	Performance analysis of a video quality ruler methodology for subjective quality assessment. Journal of Electronic Imaging, 2018, 27, 1.	0.5	3
68	Perceptual Strengths of Video Impairments that Combine Blockiness, Blurriness, and Packet-Loss Artifacts. IS&T International Symposium on Electronic Imaging, 2018, 2018, 234-1-234-6.	0.3	3
69	Video quality assessment based on data hiding for IEEE 802.11 wireless networks. , 2010, , .		2
70	An objective model for audio-visual quality. , 2014, , .		2
71	An evaluation of the effect of JPEG, JPEG2000, and H.264/AVC on CQR codes decoding process. , 2015, , .		2
72	No-Reference Image Quality Assessment Using Texture Information Banks. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
73	Evaluation of Different Types of Filters in Magnetic Resonance Imaging Using Compressive Sensing with Pre-Filtering. , 2018, 2018, 5575-5578.		2
74	Perceived quality of audio-visual stimuli containing streaming audio degradations. , 2018, , .		2
75	Perceptual quality assessment of 3D videos with stereoscopic degradations. Multimedia Tools and Applications, 2020, 79, 1603-1623.	2.6	2
76	Isotropic and anisotropic filtering norm-minimization: A generalization of the TV and TGV minimizations using NESTA. Signal Processing: Image Communication, 2020, 85, 115856.	1.8	2
77	CNN-based no-reference video quality assessment method using a spatiotemporal saliency patch selection procedure. Journal of Electronic Imaging, 2021, 30, .	0.5	2
78	Annoyance of spatio-temporal artifacts in segmentation quality assessment. , 0, , .		1
79	Detectability and Annoyance of Synthetic Blockiness, Blurriness, Noisiness, and Ringing in Video Sequences. , 0, , .		1
80	Error Concealment Using a Halftone Watermarking Technique. , 2012, , .		1
81	A Parallel Framework for Video Super-Resolution. , 2014, , .		1
82	Tampering Detection of Audio-Visual Content Using Encrypted Watermarks. , 2014, , .		1
83	A no-reference stereoscopic quality metric. Proceedings of SPIE, 2015, , .	0.8	1
84	Annoyance models for videos with spatio-temporal artifacts. , 2016, , .		1
85	Hiding color watermarks in halftone images using maximum-similarity binary patterns. Signal Processing: Image Communication, 2016, 48, 1-11.	1.8	1
86	No-reference Image Quality Assessment of Underwater Images Using Multi-Scale Salient Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2021, 33, 265-1-265-8.	0.3	1
87	A Content-Based Viewport Prediction Model. IS&T International Symposium on Electronic Imaging, 2021, 33, 255-1-255-8.	0.3	1
88	Objective and Subjective Evaluation of Spatially Transcoded Videos for Mobile Receivers. Journal of Communications Software and Systems, 2017, 6, 49.	0.6	1
89	ENSINO DE INOVAÇÃO E DESENVOLVIMENTO DE PRODUTOS: UMA EXPERIÊNCIA DIDÁTICA NA ESCOLA DE EMPREENDEDORES DA UNB. , 0, , .		1
90	Hybrid Method for Biomedical Image Poisson Denoising. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
91	Objective and subjective assessment of space-transcoded videos for mobile receivers. , 2009, , .		0
92	Visual-quality estimation using objective metrics. Journal of the Society for Information Display, 2011, 19, 764.	0.8	0
93	Experimental results for a proposal of adaptative mechanism based on SNRs variation in infrastructured wireless networks. , 2015, , .		0
94	Embedding Color Watermarks Into Halftoning Images Using Minimum-Distance Binary Patterns. , 2015, , .		0
95	Improved performance of inverse halftoning algorithms via coupled dictionaries. , 2015, , .		0
96	Image restoration for through-the-earth communications. , 2016, , .		0
97	Image restoration for Through-The-Earth Communications. , 2016, , .		0
98	Per-pixel mirror-based method for high-speed video acquisition. Journal of Visual Communication and Image Representation, 2017, 47, 23-35.	1.7	0
99	On the Performance of Visual Semantics for Improving Texture-Based Blind Image Quality Assessment. , 2017, , .		0
100	No-Reference Image Quality Assessment Using Salient Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2018, 30, 367-1-367-6.	0.3	0
101	Towards a Referenceless Visual Quality Assessment Model Using Binarized Statistical Image Features. , 2018, , .		0
102	Comparison between Digital Tone-Mapping Operators and a Focal-Plane Pixel-Parallel Circuit. Signal Processing: Image Communication, 2020, 88, 115937.	1.8	0
103	Novel Deep Learning Radiomics Model for Preoperative Evaluation of Hepatocellular Carcinoma Differentiation Based on Computed Tomography Data. SSRN Electronic Journal, 0, , .	0.4	0
104	Analyzing the effect of adding temporal features to an autoencoder-based video quality model. IS&T International Symposium on Electronic Imaging, 2021, 2021, 261-1-261-8.	0.3	0
105	Exploring the boundaries of an AE-based quality model: a performance analysis via synthetic content. IS&T International Symposium on Electronic Imaging, 2021, 2021, 266-1-266-8.	0.3	0
106	Receptor cego PARATUCK2 para Sistemas MIMO Baseados em CodificaÃ§Ã£o EspaÃ§Ã£o-Temporal. , 2013, , .		0
107	AvaliaÃ§Ã£o do Efeito do JPEG e JPEG2000 na DecodificaÃ§Ã£o de CQR Codes. , 2013, , .		0
108	Um Sistema Paralelo para Predizer InformaÃ§Ãµes de UsuÃ¡rios em Redes Sociais. , 0, , .		0

#	ARTICLE	IF	CITATIONS
109	A Parallel Framework for Video Super-resolution. Electronic Letters on Computer Vision and Image Analysis, 2014, 13, 56.	0.5	0
110	Caracterização da Micromobilidade em Redes Sem Fio Infraestruturadas pela Variação da Relação Sinal-Ruído. , 0, , .		0
111	Fast Video Artistic Transfer via Motion Compensation. International Journal of Multimedia and Its Applications, 2017, 9, 15-20.	0.1	0
112	LSMI Beamformer with Adaptation based on Estimation Error. , 2018, , .		0
113	Analysis of the Loading Factor Behavior in a LSMI Beamformer. , 2018, , .		0
114	Reconhecimento Automático de Tipos para Ensino de Tipografia a Deficientes Visuais. , 2018, , .		0
115	Using perceptual strength estimates to predict the perceived annoyance of videos with combinations of spatial and temporal artifacts. Journal of Electronic Imaging, 2018, 27, 1.	0.5	0
116	Real-time 3D volumetric human body reconstruction from a single view RGB-D capture device. IS&T International Symposium on Electronic Imaging, 2019, 2019, 6-1-6-5.	0.3	0
117	A Referenceless Image Quality Assessment Based on BSIF, CLBP, LPQ, and LCP Texture Descriptors. IS&T International Symposium on Electronic Imaging, 2019, 31, 304-1-304-7.	0.3	0
118	Statistical characterization of tile decoding time of HEVC-encoded 360° video. IS&T International Symposium on Electronic Imaging, 2020, 32, 285-1-285-7.	0.3	0
119	POSTER: Caracterização Estatística do Tempo de Decodificação de Ladrilhos de Vídeos 360°. , 0, , .		0
120	Perceptual Quality Assessment of Enhanced Images Using a Crowd-Sourcing Framework. IS&T International Symposium on Electronic Imaging, 2020, 32, 66-1-66-9.	0.3	0
121	Analyzing the performance of autoencoder-based objective quality metrics on audio-visual content. IS&T International Symposium on Electronic Imaging, 2020, 32, 167-1-167-6.	0.3	0
122	Hybrid Motion Magnification based on Same-Frame Optical Flow Computations. , 2020, , .		0