

# 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  | Point cloud quality assessment: unifying projection, geometry, and texture similarity. Visual Computer, 2023, 39, 1907-1914.  | 2.5 | 4         |
| 2  | Point cloud quality assessment based on geometry-aware texture descriptors. Computers and Graphics, 2022, 103, 31-44.   | 1.4 | 13        |
| 3  | 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         |
| 4  | Perceptual Quality of Audio-Visual Content with Common Video and Audio Degradations. Applied Sciences (Switzerland), 2021, 11, 5813.  | 1.3 | 8         |
| 5  | 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         |
| 6  | Color and Geometry Texture Descriptors for Point-Cloud Quality Assessment. IEEE Signal Processing Letters, 2021, 28, 1150-1154.   | 2.1 | 24        |
| 7  | An Optimized Feature Selection Technique in Diversified Natural Scene Text for Classification Using Genetic Algorithm. IEEE Access, 2021, 9, 54923-54937.   | 2.6 | 5         |
| 8  | 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         |
| 9  | A Content-Based Viewport Prediction Model. IS&T International Symposium on Electronic Imaging, 2021, 33, 255-1-255-8.   | 0.3 | 1         |
| 10 | CNN-based no-reference video quality assessment method using a spatiotemporal saliency patch selection procedure. Journal of Electronic Imaging, 2021, 30, .  | 0.5 | 2         |
| 11 | 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        |
| 12 | Perceptual quality assessment of 3D videos with stereoscopic degradations. Multimedia Tools and Applications, 2020, 79, 1603-1623.  | 2.6 | 2         |
| 13 | Image quality assessment using BSIF, CLBP, LCP, and LPQ operators. Theoretical Computer Science, 2020, 805, 37-61.  | 0.5 | 8         |
| 14 | Comparison between Digital Tone-Mapping Operators and a Focal-Plane Pixel-Parallel Circuit. Signal Processing: Image Communication, 2020, 88, 115937.   | 1.8 | 0         |
| 15 | How Deep is Your Encoder: An Analysis of Features Descriptors for an Autoencoder-Based Audio-Visual Quality Metric. , 2020, , .   |     | 3         |
| 16 | Multi-Distance Point Cloud Quality Assessment. , 2020, , .  |     | 17        |
| 17 | Towards a Point Cloud Quality Assessment Model using Local Binary Patterns. , 2020, , .   |     | 29        |
| 18 | Study of Subjective and Objective Quality Assessment of Audio-Visual Signals. IEEE Transactions on Image Processing, 2020, 29, 6054-6068.   | 6.0 | 128       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | UnB-AV: An Audio-Visual Database for Multimedia Quality Research. IEEE Access, 2020, 8, 56641-56649.   | 2.6 | 6         |
| 20 | 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         |
| 21 | Statistical characterization of tile decoding time of HEVC-encoded 360&#xB0; video. IS&T International Symposium on Electronic Imaging, 2020, 32, 285-1-285-7.                   | 0.3 | 0         |
| 22 | Hybrid Method for Biomedical Image Poisson Denoising. , 2020, , .  |     | 1         |
| 23 | 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         |
| 24 | 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         |
| 25 | Hybrid Motion Magnification based on Same-Frame Optical Flow Computations. , 2020, , .   |     | 0         |
| 26 | Local Luminance Patterns for Point Cloud Quality Assessment. , 2020, , .   |     | 14        |
| 27 | High density two-dimensional color code. Multimedia Tools and Applications, 2019, 78, 1949-1970.   | 2.6 | 12        |
| 28 | A (2,2) XOR-based visual cryptography scheme without pixel expansion. Journal of Visual Communication and Image Representation, 2019, 63, 102592.                                | 1.7 | 7         |
| 29 | A No-Reference Autoencoder Video Quality Metric. , 2019, , .   |     | 4         |
| 30 | A taxonomy and dataset for 360Â° videos. , 2019, , .   |     | 38        |
| 31 | Bio-inspired optimization algorithms for real underwater image restoration. Signal Processing: Image Communication, 2019, 77, 49-65.   | 1.8 | 27        |
| 32 | NAViDAd: A No-Reference Audio-Visual Quality Metric Based on a Deep Autoencoder. , 2019, , .   |     | 12        |
| 33 | 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         |
| 34 | A framework for computationally efficient video quality assessment. Signal Processing: Image Communication, 2019, 70, 57-67.   | 1.8 | 4         |
| 35 | 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         |
| 36 | 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         |

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|----|--|-----|-----------|
| 37 | Using multiple spatio-temporal features to estimate video quality. Signal Processing: Image Communication, 2018, 64, 1-10.   | 1.8 | 14        |
| 38 | 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         |
| 39 | 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         |
| 40 | Evaluation of Different Types of Filters in Magnetic Resonance Imaging Using Compressive Sensing with Pre-Filtering. , 2018, 2018, 5575-5578.  |     | 2         |
| 41 | Towards a Referenceless Visual Quality Assessment Model Using Binarized Statistical Image Features. , 2018, , .  |     | 0         |
| 42 | Referenceless image quality assessment by saliency, color-texture energy, and gradient boosting machines. Journal of the Brazilian Computer Society, 2018, 24, .                         | 0.8 | 6         |
| 43 | Perceived quality of audio-visual stimuli containing streaming audio degradations. , 2018, , .   |     | 2         |
| 44 | On the Application LBP Texture Descriptors and Its Variants for No-Reference Image Quality Assessment. Journal of Imaging, 2018, 4, 114.   | 1.7 | 13        |
| 45 | No-Reference Image Quality Assessment Using Orthogonal Color Planes Patterns. IEEE Transactions on Multimedia, 2018, 20, 3353-3360.  | 5.2 | 30        |
| 46 | Blind image quality assessment based on multiscale salient local binary patterns. , 2018, , .  |     | 12        |
| 47 | Combining audio and video metrics to assess audio-visual quality. Multimedia Tools and Applications, 2018, 77, 23993-24012.  | 2.6 | 11        |
| 48 | Performance analysis of a video quality ruler methodology for subjective quality assessment. Journal of Electronic Imaging, 2018, 27, 1.   | 0.5 | 3         |
| 49 | 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         |
| 50 | LSMI Beamformer with Adaptation based on Estimation Error. , 2018, , .   |     | 0         |
| 51 | Analysis of the Loading Factor Behavior in a LSMI Beamformer. , 2018, , .  |     | 0         |
| 52 | Reconhecimento Automático de Tipos para Ensino de Tipografia a Deficientes Visuais. , 2018, , .  |     | 0         |
| 53 | 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         |
| 54 | Per-pixel mirror-based method for high-speed video acquisition. Journal of Visual Communication and Image Representation, 2017, 47, 23-35.   | 1.7 | 0         |

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|----|---|-----|-----------|
| 55 | On the Performance of Visual Semantics for Improving Texture-Based Blind Image Quality Assessment. , 2017, , .  |     | 0         |
| 56 | Blind Image Quality Assessment Using Local Variant Patterns. , 2017, , .  |     | 3         |
| 57 | Blind Image Quality Assessment Using Multiscale Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2017, 29, 7-14.  | 0.3 | 5         |
| 58 | Objective and Subjective Evaluation of Spatially Transcoded Videos for Mobile Receivers. Journal of Communications Software and Systems, 2017, 6, 49.                                     | 0.6 | 1         |
| 59 | Fast Video Artistic Transfer via Motion Compensation. International Journal of Multimedia and Its Applications, 2017, 9, 15-20.   | 0.1 | 0         |
| 60 | Blind Image Quality Assessment Using Multiscale Local Binary Patterns. Journal of Imaging Science and Technology, 2016, 60, 060405-1-060405-8.  | 0.3 | 12        |
| 61 | No-reference image quality assessment based on statistics of Local Ternary Pattern. , 2016, , .   |     | 33        |
| 62 | No-Reference Image Quality Assessment Using Texture Information Banks. , 2016, , .  |     | 2         |
| 63 | Annoyance models for videos with spatio-temporal artifacts. , 2016, , .   |     | 1         |
| 64 | A High Density Colored 2D-Barcode: CQR Code-9. , 2016, , .  |     | 8         |
| 65 | Secure self-recovery watermarking scheme for error concealment and tampering detection. Journal of the Brazilian Computer Society, 2016, 22, .  | 0.8 | 6         |
| 66 | Enhancing inverse halftoning via coupled dictionary training. Signal Processing: Image Communication, 2016, 49, 1-8.  | 1.8 | 10        |
| 67 | 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        |
| 68 | Hiding color watermarks in halftone images using maximum-similarity binary patterns. Signal Processing: Image Communication, 2016, 48, 1-11.  | 1.8 | 1         |
| 69 | Perceptual Annoyance Models for Videos With Combinations of Spatial and Temporal Artifacts. IEEE Transactions on Multimedia, 2016, 18, 2446-2456.   | 5.2 | 9         |
| 70 | Image restoration for through-the-earth communications. , 2016, , .   |     | 0         |
| 71 | Image restoration for Through-The-Earth Communications. , 2016, , .   |     | 0         |
| 72 | Recent developments in visual quality monitoring by key performance indicators. Multimedia Tools and Applications, 2016, 75, 10745-10767.   | 2.6 | 33        |

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|----|--|-----|-----------|
| 73 | Detecting tampering in audio-visual content using QIM watermarking. Information Sciences, 2016, 328, 127-143.                              | 4.0 | 20        |
| 74 | Video quality ruler: A new experimental methodology for assessing video quality. , 2015, , .   |     | 3         |
| 75 | Multi-objective differential evolution algorithm for underwater image restoration. , 2015, , .   |     | 7         |
| 76 | Experimental results for a proposal of adaptative mechanism based on SNRs variation in infrastructured wireless networks. , 2015, , .      |     | 0         |
| 77 | An evaluation of the effect of JPEG, JPEG2000, and H.264/AVC on CQR codes decoding process. , 2015, , .                                    |     | 2         |
| 78 | Assessing the influence of combinations of blockiness, blurriness, and packet loss impairments on visual attention deployment. , 2015, , . |     | 4         |
| 79 | A no-reference stereoscopic quality metric. Proceedings of SPIE, 2015, , .   | 0.8 | 1         |
| 80 | Embedding Color Watermarks Into Halftoning Images Using Minimum-Distance Binary Patterns. , 2015, , .                                      |     | 0         |
| 81 | Feasibility of video streaming offloading via connection sharing from LTE to WiFi ad hoc networks. , 2015, , .                             |     | 5         |
| 82 | Improved performance of inverse halftoning algorithms via coupled dictionaries. , 2015, , .  |     | 0         |
| 83 | Incorporating visual attention models into video quality metrics. Proceedings of SPIE, 2014, , .   | 0.8 | 3         |
| 84 | An objective model for audio-visual quality. , 2014, , .   |     | 2         |
| 85 | A Parallel Framework for Video Super-Resolution. , 2014, , .   |     | 1         |
| 86 | Video quality assessment using visual attention computational models. Journal of Electronic Imaging, 2014, 23, 061107.                     | 0.5 | 15        |
| 87 | Full-reference audio-visual video quality metric. Journal of Electronic Imaging, 2014, 23, 061108.   | 0.5 | 13        |
| 88 | Tampering Detection of Audio-Visual Content Using Encrypted Watermarks. , 2014, , .  |     | 1         |
| 89 | A Parallel Framework for Video Super-resolution. Electronic Letters on Computer Vision and Image Analysis, 2014, 13, 56.                   | 0.5 | 0         |
| 90 | On the impact of packet-loss impairments on visual attention mechanisms. , 2013, , .   |     | 7         |

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|-----|---|-----|-----------|
| 91  | Receptor cego PARATUCK2 para Sistemas MIMO Baseados em Codificação Espaço-Temporal. , 2013, , .   |     | 0         |
| 92  | Avaliação do Efeito do JPEG e JPEG2000 na Decodificação de CQR Codes. , 2013, , .   |     | 0         |
| 93  | On performance of image quality metrics enhanced with visual attention computational models. Electronics Letters, 2012, 48, 631.  | 0.5 | 39        |
| 94  | Perceptual contributions of blocky, blurry, noisy, and ringing synthetic artifacts to overall annoyance. Journal of Electronic Imaging, 2012, 21, 043013.   | 0.5 | 10        |
| 95  | Error Concealment Using a Halftone Watermarking Technique. , 2012, , .  |     | 1         |
| 96  | A hybrid metric for digital video quality assessment. , 2011, , .   |     | 7         |
| 97  | Visual-quality estimation using objective metrics. Journal of the Society for Information Display, 2011, 19, 764.   | 0.8 | 0         |
| 98  | Fast Inverse Halftoning Algorithm for Ordered Dithered Images. , 2011, , .  |     | 12        |
| 99  | Video quality assessment based on data hiding for IEEE 802.11 wireless networks. , 2010, , .  |     | 2         |
| 100 | Objective and subjective assessment of space-transcoded videos for mobile receivers. , 2009, , .  |     | 0         |
| 101 | Digital Television Broadcasting in Brazil. IEEE MultiMedia, 2008, 15, 64-70.  | 1.5 | 14        |
| 102 | Detectability and Annoyance of Synthetic Blocky, Blurry, Noisy, and Ringing Artifacts. IEEE Transactions on Signal Processing, 2007, 55, 2954-2964.   | 3.2 | 12        |
| 103 | Detection of Gabor patterns of different sizes, shapes, phases and eccentricities. Vision Research, 2007, 47, 85-107.   | 0.7 | 52        |
| 104 | Perceptual analysis of video impairments that combine blocky, blurry, noisy, and ringing synthetic artifacts. , 2005, , .   |     | 4         |
| 105 | Quality assessment using data hiding on perceptually important areas. , 2005, , .   |     | 11        |
| 106 | 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        |
| 107 | Objective video quality metric based on data hiding. IEEE Transactions on Consumer Electronics, 2005, 51, 983-992.  | 3.0 | 20        |
| 108 | No-reference video quality metric based on artifact measurements. , 2005, , .   |     | 80        |

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|-----|--|-----|-----------|
| 109 | Perceptual contributions of blocky, blurry, and fuzzy impairments to overall annoyance. , 2004, 5292, 109.   |     | 6         |
| 110 | Perceptual contributions of blocky, blurry and noisy artifacts to overall annoyance. , 2003, , .   |     | 16        |
| 111 | <title>Video quality assessment based on data hiding driven by optical flow information</title>. , 2003, , .   |     | 11        |
| 112 | Some properties of synthetic blocky and blurry artifacts. , 2003, , .  |     | 3         |
| 113 | Error control and concealment for video transmission using data hiding. , 0, , .   |     | 7         |
| 114 | Video quality objective metric using data hiding. , 0, , .   |     | 5         |
| 115 | Annoyance of spatio-temporal artifacts in segmentation quality assessment. , 0, , .  |     | 1         |
| 116 | Towards Perceptually Driven Segmentation Evaluation Metrics. , 0, , .  |     | 9         |
| 117 | Detectability and Annoyance of Synthetic Blockiness, Blurriness, Noisiness, and Ringing in Video Sequences. , 0, , .   |     | 1         |
| 118 | Novel Deep Learning Radiomics Model for Preoperative Evaluation of Hepatocellular Carcinoma Differentiation Based on Computed Tomography Data. SSRN Electronic Journal, 0, , . | 0.4 | 0         |
| 119 | Um Sistema Paralelo para Predizer InformaÃ§Ãµes de UsuÃ¡rios em Redes Sociais. , 0, , .  |     | 0         |
| 120 | CaracterizaÃ§Ã£o da Micromobilidade em Redes Sem Fio Infraestruturadas pela VariaÃ§Ã£o da RelaÃ§Ã£o Sinal-RuÃdo. , 0, , .  |     | 0         |
| 121 | ENSINO DE INOVAÃ§Ã£o E DESENVOLVIMENTO DE PRODUTOS: UMA EXPERIÃNCIA DIDÃTICA NA ESCOLA DE EMPREENDEDORES DA UNB. , 0, , .  |     | 1         |
| 122 | POSTER: CaracterizaÃ§Ã£o EstatÃstica do Tempo de DecodificaÃ§Ã£o de Ladrilhos de VÃdeos 360Â°. , 0, , .  |     | 0         |