Paulo J L Nunes

List of Publications by Year
in descending order

46 papers	**673** citations	933447 **10** h-index	713466 **21** g-index
46 all docs	**46** docs citations	**46** times ranked	**333** citing authors

#	Article	IF	Citations
1	HEVC-based 3D holoscopic video coding using self-similarity compensated prediction. Signal Processing: Image Communication, 2016, 42, 59-78.	3.2	86
2	Immersive 3D Holoscopic Video System. IEEE MultiMedia, 2013, 20, 28-37.	1.7	60
3	HEVC-based light field image coding with bi-predicted self-similarity compensation. , 2016, , .		52
4	Dense Light Field Coding: A Survey. IEEE Access, 2020, 8, 49244-49284.	4.2	49
5	Light field HEVC-based image coding using locally linear embedding and self-similarity compensated prediction. , 2016, , .		45
6	New HEVC prediction modes for 3D holoscopic video coding. , 2012, , .		40
7	Light Field Image Coding Using High-Order Intrablock Prediction. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 1120-1131.	10.8	36
8	Inter-Layer Prediction Scheme for Scalable 3-D Holoscopic Video Coding. IEEE Signal Processing Letters, 2013, 20, 819-822.	3.6	33
9	Image segmentation towards new image representation methods. Signal Processing: Image Communication, 1995, 6, 485-498.	3.2	29
10	Evaluating MPEG-4 video decoding complexity for an alternative video complexity verifier model. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 1034-1044.	8.3	24
11	A contour-based approach to binary shape coding using a multiple grid chain code. Signal Processing: Image Communication, 2000, 15, 585-599.	3.2	22
12	Light Field Coding With Field-of-View Scalability and Exemplar-Based Interlayer Prediction. IEEE Transactions on Multimedia, 2018, 20, 2905-2920.	7.2	22
13	Spatial prediction based on self-similarity compensation for 3D holoscopic image and video coding. , 2011, , .		21
14	Light field image coding with jointly estimated self-similarity bi-prediction. Signal Processing: Image Communication, 2018, 60, 144-159.	3.2	20
15	3D Holoscopic video coding using MVC. , 2011, , .		17
16	Light-field video coding using geometry-based disparity compensation. , 2014, , .		13
17	Automatic MPEG-4 sprite coding€"Comparison of integrated object segmentation algorithms. Multimedia Tools and Applications, 2010, 49, 483-512.	3.9	9
18	Influence of self-similarity on 3D holoscopic video coding performance. , 2012, , .		9

#	Article	IF	Citations
19	Acquisition, processing and coding of 3D holoscopic content for immersive video systems. , 2013, , .		9
20	Automatic and adaptive network-aware macroblock intra refresh for error-resilient H.264/AVC video coding. , 2009, , .		7
21	Joint Rate Control Algorithm for Low-Delay MPEG-4 Object-Based Video Encoding. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1274-1288.	8.3	7
22	Light field image coding with flexible viewpoint scalability and random access. Signal Processing: Image Communication, 2021, 94, 116202.	3.2	7
23	AragoJ: A free, open-source software to aid single camera photogrammetry studies. Methods in Ecology and Evolution, 2020, 11, 670-677.	5.2	6
24	Error resilient macroblock rate control for H.264/AVC video coding. , 2008, , .		5
25	Light Field Image Coding Based on Hybrid Data Representation. IEEE Access, 2020, 8, 115728-115744.	4.2	5
26	ALFO: Adaptive Light Field Over-Segmentation. IEEE Access, 2021, 9, 131147-131165.	4.2	5
27	Spatial and temporal prediction scheme for 3D holoscopic video coding based on H.264/AVC. , 2012, , .		4
28	Using self-similarity compensation for improving inter-layer prediction in scalable 3D holoscopic video coding. Proceedings of SPIE, 2013, , .	0.8	4
29	Scalable Light Field Coding with Support for Region of Interest Enhancement. , 2018, , .		4
30	Efficient network-aware macroblock mode decision for error resilient H.264/AVC video coding. Proceedings of SPIE, 2008, , .	0.8	3
31	Light field image coding: objective performance assessment of Lenslet and 4D LF data representations. , 2018, , .		3
32	Rate and distortion models for MPEG-4 video encoding. , 2004, 5558, 382.		2
33	Improved Feedback Compensation Mechanisms for Multiple Video Object Encoding Rate Control. , 2007, , .		2
34	Light Field Image Compression. Signals and Communication Technology, 2019, , 143-176.	0.5	2
35	SLFS: Semi-supervised Light-field Foreground-background Segmentation. , 2021, , .		2
36	Emerging Imaging Technologies: Trends and Challenges. Signals and Communication Technology, 2019, , 5-39.	0.5	2

#	Article	IF	Citations
37	\<title>Mobile videotelephone communications: the CCITT H.261 chances\</title>. , 1993, , .		1
38	Impact of packet losses in scalable 3D holoscopic video coding. Proceedings of SPIE, 2014, , .	0.8	1
39	Light Field Image Coding using High Order Prediction Training. , 2018, , .		1
40	3D Video Representation and Coding. , 2015, , 25-48.		1
41	Improved inter-layer prediction for light field content coding with display scalability. Proceedings of SPIE, 2016, , .	0.8	1
42	Weighted bi-prediction for light field image coding. , 2017, , .		1
43	Integration of mobile devices in home automation with use of machine learning for object recognition. , 2020, , .		1
44	Rate Control and Error Resilience for Object-Based Video Coding. Studies in Computational Intelligence, 2010, , 1-50.	0.9	0
45	3D Holoscopic Video Representation and Coding Technology. , 2015, , 71-96.		0
46	Impact of Packet Losses in Scalable Light Field Video Coding. Signals and Communication Technology, 2019, , 177-193.	0.5	0