

# Athanassios N Skodras

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4249890/publications.pdf>

Version: 2024-02-01

92  
papers

3,426  
citations

471061

17  
h-index

276539

41  
g-index

93  
all docs

93  
docs citations

93  
times ranked

2310  
citing authors

#	ARTICLE	IF	CITATIONS
1	The JPEG 2000 still image compression standard. IEEE Signal Processing Magazine, 2001, 18, 36-58.	4.6	1,183
2	The JPEG2000 still image coding system: an overview. IEEE Transactions on Consumer Electronics, 2000, 46, 1103-1127.	3.0	1,075
3	JPEG2000: The upcoming still image compression standard. Pattern Recognition Letters, 2001, 22, 1337-1345.	2.6	109
4	A multiple projection method for digital tomosynthesis. Medical Physics, 1992, 19, 1045-1050.	1.6	65
5	Fast discrete cosine transform pruning. IEEE Transactions on Signal Processing, 1994, 42, 1833-1837.	3.2	58
6	On the Comparison of Wearable Sensor Data Fusion to a Single Sensor Machine Learning Technique in Fall Detection. Sensors, 2018, 18, 592.	2.1	53
7	Improved Gesture Recognition Based on sEMG Signals and TCN. , 2019, , .		53
8	Medical image authentication and self-correction through an adaptive reversible watermarking technique. , 2008, , .		39
9	Data Hiding in H. 264 Encoded Video Sequences. , 2007, , .		38
10	A new data hiding scheme for scene change detection in H.264 encoded video sequences. , 2008, , .		37
11	A smartphone-based fall detection system for the elderly. , 2017, , .		36
12	Side-Information-Dependent Correlation Channel Estimation in Hash-Based Distributed Video Coding. IEEE Transactions on Image Processing, 2012, 21, 1934-1949.	6.0	35
13	FPGA-based performance analysis of stream ciphers ZUC, Snow3g, Grain V1, Mickey V2, Trivium and E0. Microprocessors and Microsystems, 2013, 37, 235-245.	1.8	35
14	A comparative study of hardware architectures for lightweight block ciphers. Computers and Electrical Engineering, 2012, 38, 148-160.	3.0	30
15	Real time data hiding by exploiting the IPCM macroblocks in H.264/AVC streams. Journal of Real-Time Image Processing, 2009, 4, 33-41.	2.2	28
16	Color image-adaptive watermarking. , 0, , .		27
17	Segmented image coding: Techniques and experimental results. Signal Processing: Image Communication, 1997, 11, 63-80.	1.8	24
18	Direct transform to transform computation. IEEE Signal Processing Letters, 1999, 6, 202-204.	2.1	24

#	ARTICLE	IF	CITATIONS
19	Data Augmentation of Surface Electromyography for Hand Gesture Recognition. <i>Sensors</i> , 2020, 20, 4892.	2.1	24
20	Wavelet Analysis of Umbral Oscillations. <i>Astrophysical Journal</i> , 2003, 591, 416-431.	1.6	22
21	Evaluating Usability in a Distance Digital Systems Laboratory Class. <i>IEEE Transactions on Education</i> , 2011, 54, 308-313.	2.0	22
22	Real-time keyframe extraction towards video content identification. , 2009, , .		20
23	An FPGA Implementation of the ZUC Stream Cipher. , 2011, , .		20
24	Hilbert sEMG data scanning for hand gesture recognition based on deep learning. <i>Neural Computing and Applications</i> , 2021, 33, 2645-2666.	3.2	19
25	A fast picture compression technique. <i>IEEE Transactions on Consumer Electronics</i> , 1994, 40, 11-19.	3.0	18
26	Hybrid watermarking based on chaos and histogram modification. <i>Signal, Image and Video Processing</i> , 2014, 8, 843-857.	1.7	18
27	A novel approach to finger vein authentication. , 2017, , .		18
28	Efficient input-reordering algorithms for fast DCT. <i>Electronics Letters</i> , 1991, 27, 1973.	0.5	17
29	Chromospheric Evershed flow. <i>Astronomy and Astrophysics</i> , 2003, 403, 1123-1133.	2.1	17
30	Fast discrete Pascal transform. <i>Electronics Letters</i> , 2006, 42, 1367.	0.5	16
31	A Hilbert Curve Based Representation of sEMG Signals for Gesture Recognition. , 2019, , .		16
32	A high speed FPGA implementation of the 2D DCT for Ultra High Definition video coding. , 2013, , .		14
33	On the Use of Deeper CNNs in Hand Gesture Recognition Based on sEMG Signals. , 2019, , .		14
34	The vector-radix fast cosine transform: Pruning and complexity analysis. <i>Signal Processing</i> , 1995, 43, 197-205.	2.1	13
35	Colour image authentication based on a self-embedding technique. , 0, , .		13
36	Efficient computation of the split-radix FFT. <i>IEE Proceedings, Part F: Radar and Signal Processing</i> , 1992, 139, 56.	0.2	10

#	ARTICLE	IF	CITATIONS
37	<title>Compressed domain image retrieval: a comparative study of similarity metrics</title>. , 2003, , .		10
38	On the use of the discrete Pascal transform in hiding data in images. Proceedings of SPIE, 2010, , .	0.8	10
39	Moving object detection in the H.264 compressed domain. , 2010, , .		10
40	Data hiding based on image texture classification. Signal, Image and Video Processing, 2013, 7, 247-253.	1.7	9
41	A discrete Gould transform data hiding scheme. Mathematical Methods in the Applied Sciences, 2014, 37, 283-288.	1.2	9
42	Split-radix fast cosine transform algorithm. International Journal of Electronics, 1993, 74, 513-522.	0.9	8
43	Improved watermark detection based on similarity diagrams. Signal Processing: Image Communication, 2002, 17, 337-345.	1.8	8
44	Crowdsourcing-based evaluation of privacy in HDR images. Proceedings of SPIE, 2014, , .	0.8	8
45	Real-Time Analysis of Hand Gesture Recognition with Temporal Convolutional Networks. Sensors, 2022, 22, 1694.	2.1	7
46	A synthetic stegano-crypto scheme for securing multimedia medical records and their associations. , 2009, , .		6
47	Remote FPGA laboratory course development based on an open multimodal laboratory facility. , 2015, , .		6
48	Time series analysis of sunspot oscillations using the wavelet transform. , 0, , .		5
49	Joint DC coefficient band decoding and motion estimation in Wyner-Ziv video coding. , 2011, , .		5
50	Authentication and Self-Correction in Sequential MRI Slices. Journal of Digital Imaging, 2011, 24, 943-949.	1.6	5
51	<title>Transform domain watermarking: adaptive selection of the watermark's position and length</title>. , 2003, , .		4
52	High capacity reversible data hiding using overlapping difference expansion. , 2009, , .		4
53	Decentralising the Digital Rights Management Value Chain by means of Distributed License Catalogues. , 2006, , 689-696.		4
54	<title>Efficient computation of the two-dimensional fast cosine transform</title>. , 1994, 2238, 229.		3

#	ARTICLE	IF	CITATIONS
55	A Hardware Implementation of CURUPIRA Block Cipher for Wireless Sensors. , 2008, , .		3
56	Self-authentication of natural color images in Pascal Transform domain. , 2009, , .		3
57	Low bit depth representation motion estimation algorithms: a comparative study. Journal of Real-Time Image Processing, 2010, 5, 141-148.	2.2	3
58	Bit rate transcoding of H.264 encoded movies by dropping frames in the compressed domain. IEEE Transactions on Consumer Electronics, 2010, 56, 1593-1601.	3.0	3
59	Two-band fast Hartley transform. Electronics Letters, 2015, 51, 57-59.	0.5	3
60	Compact FPGA architectures for the two-band fast discrete Hartley transform. Microprocessors and Microsystems, 2018, 61, 117-125.	1.8	3
61	Approximated densities for block-based motion estimation. Electronics Letters, 1997, 33, 1364.	0.5	2
62	A new difference expansion transform in triplets for reversible data hiding. International Journal of Computer Mathematics, 2011, 88, 2016-2025.	1.0	2
63	An FPGA implementation and performance evaluation of the seed block cipher. , 2011, , .		2
64	Autopilot spatially-adaptive active contour parameterization for medical image segmentation. , 2013, , .		2
65	Training Makers to Build the Internet of Things on an Arduino (Using a Remote Lab Facility and an) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlook		2
66	On the use of look-up tables in the microprocessor implementation of digital filters. International Journal of Electronics, 1983, 55, 675-679.	0.9	1
67	Adaptive DCT coding of images. International Journal of Electronics, 1993, 75, 627-639.	0.9	1
68	<title>JPEG 2000 implementation on different computer platforms</title>. , 2000, 4115, 561.		1
69	JPEG2000 parameters against watermarking. , 0, , .		1
70	A novel approach on transform domain watermarking against geometrical deformations. , 0, , .		1
71	A New Spatio-Temporal Predictor for Motion Estimation in H.264 Video Coding. , 2007, , .		1
72	Image Watermarking for Quality Control Based on Modified Key-Dependent DCT Basis Functions. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
73	Rate Control of H.264 Encoded Sequences by Dropping Frames in the Compressed Domain. , 2010, , .		1
74	Low Power FPGA Implementations of 256-bit Luffa Hash Function. , 2010, , .		1
75	STESCAL3D: Subjective evaluation of HD stereo video streaming using H.264 SVC in diverse laboratory environments. , 2015, , .		1
76	A Novel Finger Vein Recognition System Based on Enhanced Maximum Curvature Points. , 2018, , .		1
77	The Effect of Space-filling Curves on the Efficiency of Hand Gesture Recognition Based on sEMG Signals. International Journal of Electrical and Computer Engineering Systems, 2021, 12, 23-31.	0.5	1
78	Bandwidth improvement in IIR digital filters. International Journal of Electronics, 1984, 56, 669-675.	0.9	0
79	Automatic unit delay execution circuit for digital signal processing systems based on general-purpose microprocessors. Electronics Letters, 1988, 24, 481.	0.5	0
80	A fast input reordering algorithm for the discrete cosine transform. , 1992, , .		0
81	New schemes for progressive transmission of digital images. IEEE Transactions on Consumer Electronics, 1997, 43, 1028-1033.	3.0	0
82	A new platform for watermarking and management of digital images of the Hellenic cultural heritage. , 0, , .		0
83	A New Spatio-Temporal Fast Motion Estimation Algorithm. , 2007, , .		0
84	Compression of confocal microscopy images: a comparative study. Proceedings of SPIE, 2008, , .	0.8	0
85	On the use of color appearance modeling for efficient compressed-domain image enhancement. , 2009, , .		0
86	Digital Culture Imaging. , 0, , 353-376.		0
87	Ongoing Standardization Efforts. , 0, , 481-489.		0
88	Authentication and self-correction in DNA identification based on agarose-gel images. , 2010, , .		0
89	Greek participation to Solar Orbiter development. , 2011, , .		0
90	An FPGA design for the Two-Band Fast Discrete Hartley Transform. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
91	Could DCT Reveal Photorealistic Images?. , 2019, , .		0
92	Proportional Myoelectric Control in a Virtual Reality Environment. , 2022, , .		0