

# Deepayan Bhowmik

## List of Publications by Year in descending order

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35  
papers

548  
citations

1039880

9  
h-index

839398

18  
g-index

36  
all docs

36  
docs citations

36  
times ranked

523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Water Hyacinth Infestation in Kuttanad, India, Using Dual-Pol Sentinel-1 SAR Imagery. Remote Sensing, 2022, 14, 2845.	1.8	8
2	Decomposing Textures using Exponential Analysis. , 2021, , .		4
3	An Introduction to the JPEG Fake Media Initiative. , 2021, , .		0
4	Security and Forensics Exploration of Learning-based Image Coding. , 2021, , .		2
5	IoT security vulnerabilities and predictive signal jamming attack analysis in LoRaWAN. IET Information Security, 2020, 14, 368-379.	1.1	31
6	Ir-Man. , 2020, , .		0
7	Sentiment Aware Fake News Detection on Online Social Networks. , 2019, , .		79
8	Optimized Memory Allocation and Power Minimization for FPGA-Based Image Processing. Journal of Imaging, 2019, 5, 7.	1.7	18
9	Embedding Distortion Analysis in Wavelet-domain Watermarking. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-24.	3.0	10
10	R IPL. ACM Transactions on Reconfigurable Technology and Systems, 2018, 11, 1-24.	1.9	17
11	The Jpeg-Blockchain Framework For Glam Services. , 2018, , .		9
12	Statistical T+2d Subband Modelling for Crowd Counting. , 2018, , .		0
13	Long-term correlation tracking using multi-layer hybrid features in sparse and dense environments. Journal of Visual Communication and Image Representation, 2018, 55, 464-476.	1.7	16
14	Embedded Vision Systems: A Review of the Literature. Lecture Notes in Computer Science, 2018, , 204-216.	1.0	11
15	Area-Energy Aware Dataflow Optimisation of Visual Tracking Systems. Lecture Notes in Computer Science, 2018, , 523-536.	1.0	1
16	Profile Guided Dataflow Transformation for FPGAs and CPUs. Journal of Signal Processing Systems, 2017, 87, 3-20.	1.4	10
17	The multimedia blockchain: A distributed and tamper-proof media transaction framework. , 2017, , .		88
18	Power efficient dataflow design for a heterogeneous smart camera architecture. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Global motion compensated visual attention-based video watermarking. Journal of Electronic Imaging, 2016, 25, 061624.	0.5	3
20	Quality Scalability Aware Watermarking for Visual Content. IEEE Transactions on Image Processing, 2016, , 5158-5172.	6.0	27
21	Visual Attention-Based Image Watermarking. IEEE Access, 2016, 4, 8002-8018.	2.6	39
22	A Dataflow IR for Memory Efficient RIPL Compilation to FPGAs. Lecture Notes in Computer Science, 2016, , 174-188.	1.0	5
23	Profile driven dataflow optimisation of mean shift visual tracking. , 2014, , .		2
24	On robustness against JPEG2000: a performance evaluation of wavelet-based watermarking techniques. Multimedia Systems, 2014, 20, 239-252.	3.0	8
25	Scalable watermark extraction for real-time authentication of JPEG 2000 images. Journal of Real-Time Image Processing, 2013, 8, 307-325.	2.2	9
26	2D+t Wavelet Domain Video Watermarking. Advances in Multimedia, 2012, 2012, 1-19.	0.2	5
27	Visual attention-based watermarking. , 2011, , .		7
28	Video based technology for ambient assisted living: A review of the literature. Journal of Ambient Intelligence and Smart Environments, 2011, 3, 253-269.	0.8	110
29	Video watermarking using motion compensated 2D+t+2D filtering. , 2010, , .		5
30	A Micromechanical Model to Predict Mechanical Durability of Glass Multifilament Bundles in Rubber Composite. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	0.8	1
31	A framework for evaluating wavelet based watermarking for scalable coded digital item adaptation attacks. Proceedings of SPIE, 2009, , .	0.8	5
32	The effect of quality scalable image compression on robust watermarking. , 2009, , .		4
33	Embedding distortion modeling for non-orthonormal wavelet based watermarking schemes. , 2009, , .		3
34	A Generalised Model for Distortion Performance Analysis of Wavelet Based Watermarking. Lecture Notes in Computer Science, 2009, , 363-378.	1.0	5
35	Image Processing for Surveillance and Security. Advances in Computational Intelligence and Robotics Book Series, 0, , 52-81.	0.4	2