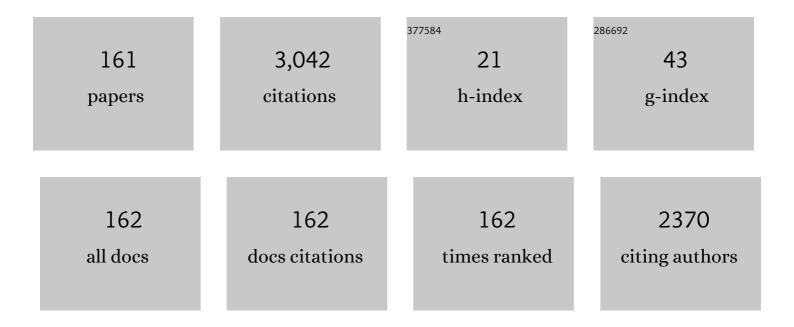
List of Publications by Year in descending order

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Ιναν V Βαμάτ

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| 1 | Point Cloud Sampling via Graph Balancing and Gershgorin Disc Alignment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 868-886. | 9.7 | 4 |
| 2 | Updating a dataset of labelled objects on raw video sequences with unique object IDs. Data in Brief, 2022, 41, 107892. | 0.5 | 1 |
| 3 | Scalable Image Coding for Humans and Machines. IEEE Transactions on Image Processing, 2022, 31, 2739-2754. | 6.0 | 44 |
| 4 | Point Cloud Video Super-Resolution via Partial Point Coupling and Graph Smoothness. IEEE Transactions on Image Processing, 2022, 31, 4117-4132. | 6.0 | 2 |
| 5 | Soft Video Multicasting Using Adaptive Compressed Sensing. IEEE Transactions on Multimedia, 2021, 23, 12-25. | 5.2 | 8 |
| 6 | Pareto-Optimal Bit Allocation for Collaborative Intelligence. IEEE Transactions on Image Processing, 2021, 30, 3348-3361. | 6.0 | 9 |
| 7 | A dataset of labelled objects on raw video sequences. Data in Brief, 2021, 34, 106701. | 0.5 | 11 |
| 8 | Information Flow Through U-Nets. , 2021, , . | | 3 |
| 9 | Latent Space Inpainting for Loss-Resilient Collaborative Object Detection. , 2021, , . | | 3 |
| 10 | Collaborative Intelligence: Challenges and Opportunities. , 2021, , . | | 15 |
| 11 | Latent Space Motion Analysis for Collaborative Intelligence. , 2021, , . | | 2 |
| 12 | Swimmer Stroke Rate Estimation from Overhead Race Video. , 2021, , . | | 4 |
| 13 | Short-Term Demand Prediction Using an Ensemble of Linearly-Constrained Estimators. IEEE Transactions on Power Systems, 2021, 36, 3163-3175. | 4.6 | 10 |
| 14 | CALTEC: Content-Adaptive Linear Tensor Completion For Collaborative Intelligence. , 2021, , . | | 4 |
| 15 | TraceGAN: Synthesizing Appliance Power Signatures Using Generative Adversarial Networks. IEEE Transactions on Smart Grid, 2021, 12, 4553-4563. | 6.2 | 28 |
| 16 | Latent-Space Scalability for Multi-Task Collaborative Intelligence. , 2021, , . | | 11 |
| 17 | Lightweight Compression of Intermediate Neural Network Features for Collaborative Intelligence. IEEE Open Journal of Circuits and Systems, 2021, 2, 350-362. | 1.4 | 12 |
| 18 | Affine Transformation-Based Deep Frame Prediction. IEEE Transactions on Image Processing, 2021, 30, 3321-3334. | 6.0 | 10 |

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| 19 | DFTS2: Deep Feature Transmission Simulation for Collaborative Intelligence. , 2021, , . | | ο |
| 20 | Scalable Privacy in Multi-Task Image Compression. , 2021, , . | | 3 |
| 21 | Deep Frame Prediction for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, , 1-1. | 5.6 | 33 |
| 22 | Sampling Of 3d Point Cloud Via Gershgorin Disc Alignment. , 2020, , . | | 4 |
| 23 | Residential Power Forecasting Based on Affinity Aggregation Spectral Clustering. IEEE Access, 2020, 8, 99431-99444. | 2.6 | 13 |
| 24 | Back-And-Forth Prediction for Deep Tensor Compression. , 2020, , . | | 15 |
| 25 | Lightweight Compression Of Neural Network Feature Tensors For Collaborative Intelligence. , 2020, , . | | 28 |
| 26 | Tensor Completion Methods for Collaborative Intelligence. IEEE Access, 2020, 8, 41162-41174. | 2.6 | 9 |
| 27 | Point Cloud Denoising via Feature Graph Laplacian Regularization. IEEE Transactions on Image Processing, 2020, 29, 4143-4158. | 6.0 | 59 |
| 28 | Super-Resolution of 3D Color Point Clouds Via Fast Graph Total Variation. , 2020, , . | | 11 |
| 29 | Bit Allocation for Multi-Task Collaborative Intelligence. , 2020, , . | | 11 |
| 30 | Stop., 2020,,. | | 4 |
| 31 | A Lightweight Model for Deep Frame Prediction in Video Coding. , 2020, , . | | Ο |
| 32 | Performance Evaluation of Techniques for Identifying Abnormal Energy Consumption in Buildings. IEEE Access, 2019, 7, 62721-62733. | 2.6 | 32 |
| 33 | FDDB-360: Face Detection in 360-Degree Fisheye Images. , 2019, , . | | 7 |
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| 38 | Visually Assisted Time-Domain Speech Enhancement. , 2019, , . | | 9 |
| 39 | Multi-Task Learning with Compressible Features for Collaborative Intelligence. , 2019, , . | | 25 |
| 40 | 3D Point Cloud Color Denoising Using Convex Graph-Signal Smoothness Priors. , 2019, , . | | 13 |
| 41 | Residential Power Forecasting Using Load Identification and Graph Spectral Clustering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1900-1904. | 2.2 | 40 |
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| 43 | Full-Reference Objective Quality Assessment of Tone-Mapped Images. IEEE Transactions on Multimedia, 2018, 20, 392-404. | 5.2 | 37 |
| 44 | Can you Find a Face in a HEVC Bitstream?. , 2018, , . | | 9 |
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| 46 | High Efficiency Compression for Object Detection. , 2018, , . | | 27 |
| 47 | Near-Lossless Deep Feature Compression for Collaborative Intelligence. , 2018, , . | | 45 |
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| 49 | MV-YOLO: Motion Vector-Aided Tracking by Semantic Object Detection. , 2018, , . | | 18 |
| 50 | Deep Feature Compression for Collaborative Object Detection. , 2018, , . | | 83 |
| 51 | Adaptive Nonrigid Inpainting of Three-Dimensional Point Cloud Geometry. IEEE Signal Processing Letters, 2018, 25, 878-882. | 2.1 | 16 |
| 52 | Can You Tell a Face from a HEVC Bitstream?. , 2018, , . | | 5 |
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| 56 | Compressed-domain visual saliency models: a comparative study. Multimedia Tools and Applications, 2017, 76, 26297-26328. | 2.6 | 9 |
| 57 | Load Disaggregation Based on Aided Linear Integer Programming. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 792-796. | 2.2 | 76 |
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| 60 | Automatic image cropping based on bottom-up saliency and top-down semantics. , 2017, , . | | 2 |
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| 65 | A simulation environment for visual-inertial sensor fusion. , 2016, , . | | 0 |
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| 67 | No-reference image quality assessment using statistical wavelet-packet features. Pattern Recognition Letters, 2016, 80, 144-149. | 2.6 | 11 |
| 68 | Human blastocyst segmentation using neural network. , 2016, , . | | 13 |
| 69 | Color Gaussian Jet Features For No-Reference Quality Assessment of Multiply-Distorted Images. IEEE Signal Processing Letters, 2016, 23, 1717-1721. | 2.1 | 14 |
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| 71 | Automatic cleavage detection in H.264 sequence of human embryo development. , 2016, , . | | 1 |
| 72 | Learning to reproduce a sound field. , 2016, , . | | 0 |

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| 73 | Electricity, water, and natural gas consumption of a residential house in Canada from 2012 to 2014. Scientific Data, 2016, 3, 160037. | 2.4 | 157 |
| 74 | Comparison of Loudspeaker Placement Methods for Sound Field Reproduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1364-1379. | 4.0 | 21 |
| 75 | Exploiting HMM Sparsity to Perform Online Real-Time Nonintrusive Load Monitoring. IEEE Transactions on Smart Grid, 2016, 7, 2575-2585. | 6.2 | 287 |
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| 88 | Low-saliency prior for disocclusion hole filling in DIBR-synthesized images. , 2014, , . | | 3 |
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| 91 | Video Watermarking With Empirical PCA-Based Decoding. IEEE Transactions on Image Processing, 2013, 22, 4825-4840. | 6.0 | 41 |
| 92 | Inspiring energy conservation through open source metering hardware and embedded real-time load disaggregation. , 2013, , . | | 11 |
| 93 | Pixel-Wise Unified Rate-Quantization Model for Multi-Level Rate Control. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 1112-1123. | 7.3 | 89 |
| 94 | Still visualization of object motion in compressed video. , 2013, , . | | 0 |
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| 103 | MoCap data coding with unrestricted quantization and rate control. , 2013, , . | | 5 |
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| 110 | Guiding visual attention by manipulating orientation in images. , 2013, , . | | 8 |
| 111 | Evaluation of several visual saliency models in terms of gaze prediction accuracy on video. , 2012, , . | | 7 |
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| 113 | Saliency-Cognizant Error Concealment in Loss-Corrupted Streaming Video. , 2012, , . | | 8 |
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| 117 | A Joint Approach to Global Motion Estimation and Motion Segmentation From a Coarsely Sampled Motion Vector Field. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1316-1328. | 5.6 | 36 |
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| 119 | A Testbed and Methodology for Comparing Live Video Frame Rate Control Methods. IEEE Signal Processing Letters, 2011, 18, 31-34. | 2.1 | 1 |
| 120 | Rate-Distortion Optimized Pixel-Based Motion Vector Concatenation for Reference Picture Selection. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1139-1151. | 5.6 | 2 |
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| 123 | Saliency-preserving video compression. , 2011, , . | | 11 |
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| 137 | Coarse-to-fine moving region segmentation in compressed video. , 2009, , . | | 11 |
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| 140 | Scalable Video Streaming With Fine-Grain Adaptive Forward Error Correction. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1302-1314. | 5.6 | 7 |
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| 154 | Overlay multi-hop FEC scheme for video streaming. Signal Processing: Image Communication, 2005, 20, 710-727. | 1.8 | 17 |
| 155 | Performance analysis of the efficacy of packet-level FEC in improving video transport over networks. , 2005, , . | | 11 |
| 156 | Maximum minimal distance partitioning of the Z/sup 2/ lattice. IEEE Transactions on Information Theory, 2003, 49, 981-992. | 1.5 | 16 |
| 157 | Domain-based multiple description coding of images and video. IEEE Transactions on Image Processing, 2003, 12, 1211-1225. | 6.0 | 76 |
| 158 | <title>EZBC video streaming with channel coding and error concealment</title> ., 2003, , . | | 11 |
| 159 | Domain-based multiple description coding of images and video. , 2002, , . | | 7 |
| 160 | Neural Network System for Promoter Recognition. Studies in Fuzziness and Soft Computing, 2000, , 288-305. | 0.6 | 3 |
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