

# William Robson Schwartz

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

4,168  
citations

304743

22  
h-index

189892

50  
g-index

121  
all docs

121  
docs citations

121  
times ranked

3582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Face spoofing detection via ensemble of classifiers toward low-power devices. Pattern Analysis and Applications, 2021, 24, 511-521.	4.6	5
2	Covariance-free Partial Least Squares: An Incremental Dimensionality Reduction Method. , 2021, , .		1
3	An efficient and layout-independent automatic license plate recognition system based on the YOLO detector. IET Intelligent Transport Systems, 2021, 15, 483-503.	3.0	61
4	A content-based late fusion approach applied to pedestrian detection. Journal of Visual Communication and Image Representation, 2021, 77, 103091.	2.8	0
5	Human activity recognition based on smartphone and wearable sensors using multiscale DCNN ensemble. Neurocomputing, 2021, 444, 226-243.	5.9	45
6	Stage-Wise Neural Architecture Search. , 2021, , .		3
7	Appearance-Based Human Detection. , 2021, , 57-59.		0
8	Deep network compression based on partial least squares. Neurocomputing, 2020, 406, 234-243.	5.9	10
9	Cycleptz: The Learning-Based Control Method For Master-Slave Camera Systems. , 2020, , .		0
10	Discriminative Layer Pruning for Convolutional Neural Networks. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 828-837.	10.8	22
11	Unconstrained Face Identification using Ensembles trained on Clustered Data. , 2020, , .		3
12	Face Attributes as Cues for Deep Face Recognition Understanding. , 2020, , .		2
13	Magnitude-Orientation Stream network and depth information applied to activity recognition. Journal of Visual Communication and Image Representation, 2019, 63, 102596.	2.8	0
14	Point-Placement Techniques and Temporal Self-Similarity Maps for Visual Analysis of Surveillance Videos. , 2019, , .		1
15	Dynamic Multicontext Segmentation of Remote Sensing Images Based on Convolutional Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7503-7520.	6.3	102
16	SkeleMotion: A New Representation of Skeleton Joint Sequences based on Motion Information for 3D Action Recognition. , 2019, , .		116
17	Kernel cross-view collaborative representation based classification for person re-identification. Journal of Visual Communication and Image Representation, 2019, 58, 304-315.	2.8	14
18	Face Spoofing Detection on Low-Power Devices Using Embeddings with Spatial and Frequency-Based Descriptors. Lecture Notes in Computer Science, 2019, , 187-197.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Multi-task Learning for Low-Resolution License Plate Recognition. Lecture Notes in Computer Science, 2019, , 251-261.	1.3	4
20	Convolutional neural networks for automatic meter reading. Journal of Electronic Imaging, 2019, 28, 1.	0.9	49
21	Pyramidal Zernike Over Time: A Spatiotemporal Feature Descriptor Based on Zernike Moments. Lecture Notes in Computer Science, 2018, , 77-85.	1.3	2
22	Boosted Projection: An Ensemble of Transformation Models. Lecture Notes in Computer Science, 2018, , 331-338.	1.3	1
23	Learning Deep Off-the-Person Heart Biometrics Representations. IEEE Transactions on Information Forensics and Security, 2018, 13, 1258-1270.	6.9	80
24	Content-Based Multi-Camera Video Alignment using Accelerometer Data. , 2018, , .		0
25	Real-Time Automatic License Plate Recognition through Deep Multi-Task Networks. , 2018, , .		14
26	Latent HyperNet: Exploring the Layers of Convolutional Neural Networks. , 2018, , .		5
27	Multiscale DCNN Ensemble Applied to Human Activity Recognition Based on Wearable Sensors. , 2018, , .		4
28	A Robust Real-Time Automatic License Plate Recognition Based on the YOLO Detector. , 2018, , .		291
29	Face Verification: Strategies for Employing Deep Models. , 2018, , .		0
30	Novel approaches to human activity recognition based on accelerometer data. Signal, Image and Video Processing, 2018, 12, 1387-1394.	2.7	47
31	Kernel multiblock partial least squares for a scalable and multicamera person reidentification system. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
32	Novel Anomalous Event Detection based on Human-object Interactions. , 2018, , .		2
33	Noisy Character Recognition Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 499-507.	1.3	1
34	Statistical Measures from Co-occurrence of Codewords for Action Recognition. , 2018, , .		0
35	Single-Shot Person Re-Identification Combining Similarity Metrics and Support Vectors. , 2018, , .		0
36	Histograms of Optical Flow Orientation and Magnitude and Entropy to Detect Anomalous Events in Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 673-682.	8.3	128

#	ARTICLE	IF	CITATIONS
37	Towards open-set face recognition using hashing functions. , 2017, , .		22
38	Activity Recognition Based on a Magnitude-Orientation Stream Network. , 2017, , .		9
39	Face Verification Based on Relational Disparity Features and Partial Least Squares Models. , 2017, , .		2
40	Assigning Relative Importance to Scene Elements. , 2017, , .		0
41	Fast Scalable Coding based on a 3D Low Bit Rate Fractal Video Encoder. , 2017, , .		0
42	Partial least squares for face hashing. Neurocomputing, 2016, 213, 34-47.	5.9	5
43	Kernel Hierarchical PCA for person re-identification. , 2016, , .		10
44	A late fusion approach to combine multiple pedestrian detectors. , 2016, , .		0
45	Kernel Partial Least Squares for person re-identification. , 2016, , .		10
46	License plate recognition based on temporal redundancy. , 2016, , .		16
47	Optical Flow Co-occurrence Matrices: A novel spatiotemporal feature descriptor. , 2016, , .		14
48	Benchmark for license plate character segmentation. Journal of Electronic Imaging, 2016, 25, 053034.	0.9	44
49	A scalable and flexible framework for smart video surveillance. Computer Vision and Image Understanding, 2016, 144, 258-275.	4.7	26
50	A mid-level video representation based on binary descriptors: A case study for pornography detection. Neurocomputing, 2016, 213, 102-114.	5.9	42
51	Predominant color name indexing structure for person re-identification. , 2016, , .		7
52	Oblique random forest based on partial least squares applied to pedestrian detection. , 2016, , .		4
53	Learning to semantically segment high-resolution remote sensing images. , 2016, , .		20
54	Change detection based on features invariant to monotonic transforms and spatially constrained matching. Journal of Electronic Imaging, 2016, 25, 013001.	0.9	1

#	ARTICLE	IF	CITATIONS
55	ECG-based heartbeat classification for arrhythmia detection: A survey. Computer Methods and Programs in Biomedicine, 2016, 127, 144-164.	4.7	613
56	A topology-based approach to computing neighborhood-of-interest points using the Morse complex. Journal of Visual Communication and Image Representation, 2015, 30, 299-311.	2.8	1
57	CBRA: Color-based ranking aggregation for person re-identification. , 2015, , .		16
58	Histograms of Optical Flow Orientation and Magnitude to Detect Anomalous Events in Videos. , 2015, , .		38
59	Partial Least Squares Image Clustering. , 2015, , .		0
60	Learning to hash faces using large feature vectors. , 2015, , .		5
61	Hyperspectral image interpretation based on partial least squares. , 2015, , .		6
62	Appearance-based person re-identification by intra-camera discriminative models and rank aggregation. , 2015, , .		6
63	Using Visual Rhythms for Detecting Video-Based Facial Spoof Attacks. IEEE Transactions on Information Forensics and Security, 2015, 10, 1025-1038.	6.9	91
64	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. IEEE Transactions on Information Forensics and Security, 2015, 10, 864-879.	6.9	405
65	Thermal-to-visible face recognition using partial least squares. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 431.	1.5	75
66	A verify-correct approach to person re-identification based on Partial Least Squares signatures. , 2015, , .		1
67	Classification schemes based on Partial Least Squares for face identification. Journal of Visual Communication and Image Representation, 2015, 32, 170-179.	2.8	6
68	Face Spoofing Detection Through Visual Codebooks of Spectral Temporal Cubes. IEEE Transactions on Image Processing, 2015, 24, 4726-4740.	9.8	141
69	An Approach to Supporting Incremental Visual Data Classification. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 4-17.	4.4	48
70	Coffee Crop Recognition Using Multi-scale Convolutional Neural Networks. Lecture Notes in Computer Science, 2015, , 67-74.	1.3	8
71	A Non-parametric Approach to Detect Changes in Aerial Images. Lecture Notes in Computer Science, 2015, , 116-124.	1.3	3
72	Faster Approximations of Shortest Geodesic Paths on Polyhedra Through Adaptive Priority Queue. , 2015, , .		1

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73	An Optimized Sliding Window Approach to Pedestrian Detection. , 2014, , .		0
74	Extending Face Identification to Open-Set Face Recognition. , 2014, , .		6
75	Linear dimensionality reduction applied to scale invariant feature transformation and speeded up robust feature descriptors. Journal of Electronic Imaging, 2014, 23, 033017.	0.9	3
76	Detection of Groups of People in Surveillance Videos Based on Spatio-Temporal Clues. Lecture Notes in Computer Science, 2014, , 948-955.	1.3	3
77	Evaluating the use of ECG signal in low frequencies as a biometry. Expert Systems With Applications, 2014, 41, 2309-2315.	7.6	30
78	Smart surveillance framework: A versatile tool for video analysis. , 2014, , .		10
79	Change detection based on features invariant to monotonic transforms and spatial constrained matching. , 2014, , .		3
80	An Adaptive Vehicle License Plate Detection at Higher Matching Degree. Lecture Notes in Computer Science, 2014, , 454-461.	1.3	5
81	Spatial Pyramid Matching for Finger Spelling Recognition in Intensity Images. Lecture Notes in Computer Science, 2014, , 629-636.	1.3	1
82	Scalable Feature Extraction for Visual Surveillance. Lecture Notes in Computer Science, 2014, , 375-382.	1.3	0
83	Person Re-Identification Based on Weighted Indexing Structures. Lecture Notes in Computer Science, 2014, , 359-366.	1.3	1
84	3D Searchless Fractal Video Encoding at Low Bit Rates. Journal of Mathematical Imaging and Vision, 2013, 45, 239-250.	1.3	5
85	Adaptive edge-preserving image denoising using wavelet transforms. Pattern Analysis and Applications, 2013, 16, 567-580.	4.6	42
86	Multi-scale gray level co-occurrence matrices for texture description. Neurocomputing, 2013, 120, 336-345.	5.9	160
87	Fast and scalable enrollment for face identification based on Partial Least Squares. , 2013, , .		5
88	Re-identifying People Based on Indexing Structure and Manifold Appearance Modeling. , 2013, , .		6
89	A data-driven detection optimization framework. Neurocomputing, 2013, 104, 35-49.	5.9	4
90	AN IMPROVED VIEW FRUSTUM CULLING METHOD USING OCTREES FOR 3D REAL-TIME RENDERING. International Journal of Image and Graphics, 2013, 13, 1350009.	1.5	3

#	ARTICLE	IF	CITATIONS
91	Fast pedestrian detection based on a partial least squares cascade. , 2013, , .		1
92	Person Re-identification Using Partial Least Squares Appearance Modeling. Lecture Notes in Computer Science, 2013, , 382-390.	1.3	2
93	Evaluation of feature descriptors for texture classification. Journal of Electronic Imaging, 2012, 21, 023016.	0.9	17
94	Scalable people re-identification based on a one-against-some classification scheme. , 2012, , .		4
95	Scalar image interest point detection and description based on discrete Morse theory and geometric descriptors. , 2012, , .		0
96	BRAND: A robust appearance and depth descriptor for RGB-D images. , 2012, , .		28
97	Appearance and Geometry Fusion for Enhanced Dense 3D Alignment. , 2012, , .		2
98	Video-Based Face Spoofing Detection through Visual Rhythm Analysis. , 2012, , .		50
99	Dimensionality reduction through PCA over SIFT and SURF descriptors. , 2012, , .		19
100	A complementary local feature descriptor for face identification. , 2012, , .		14
101	Face Identification Using Large Feature Sets. IEEE Transactions on Image Processing, 2012, 21, 2245-2255.	9.8	74
102	Semi-Supervised Dimensionality Reduction based on Partial Least Squares for Visual Analysis of High Dimensional Data. Computer Graphics Forum, 2012, 31, 1345-1354.	3.0	11
103	Person-Specific Subspace Analysis for Unconstrained Familiar Face Identification. , 2012, , .		6
104	Face spoofing detection through partial least squares and low-level descriptors. , 2011, , .		69
105	A novel feature descriptor based on the shearlet transform. , 2011, , .		30
106	Competition on counter measures to 2-D facial spoofing attacks. , 2011, , .		98
107	Fast Low Bit-Rate 3D Searchless Fractal Video Encoding. , 2011, , .		4
108	Face verification using large feature sets and one shot similarity. , 2011, , .		12

#	ARTICLE	IF	CITATIONS
109	IMPROVED FRACTAL IMAGE COMPRESSION BASED ON ROBUST FEATURE DESCRIPTORS. International Journal of Image and Graphics, 2011, 11, 571-587.	1.5	14
110	Detecting humans under partial occlusion using Markov logic networks. , 2010, , .		1
111	A Robust and Scalable Approach to Face Identification. Lecture Notes in Computer Science, 2010, , 476-489.	1.3	35
112	Human detection using partial least squares analysis. , 2009, , .		368
113	Learning Discriminative Appearance-Based Models Using Partial Least Squares. , 2009, , .		274
114	Robust Human Detection under Occlusion by Integrating Face and Person Detectors. Lecture Notes in Computer Science, 2009, , 970-979.	1.3	10
115	Video Compression and Retrieval of Moving Object Location Applied to Surveillance. Lecture Notes in Computer Science, 2009, , 906-916.	1.3	1
116	Textured Image Segmentation Based on Spatial Dependence using a Markov Random Field Model. , 2006, , .		7
117	Topographic Feature Identification Based on Triangular Meshes. Lecture Notes in Computer Science, 2001, , 621-629.	1.3	1