Ognjen ArandjeloviÄ

List of Publications by Year
in descending order

123 papers	1,647 citations	394421 19 h-index	395702 33 g-index
125 all docs	125 docs citations	125 times ranked	1401 citing authors

#	Article	IF	Citations
1	Deep Learning for Whole Slide Image Analysis: An Overview. Frontiers in Medicine, 2019, 6, 264.	2.6	178
2	Infrared face recognition: A comprehensive review of methodologies and databases. Pattern Recognition, 2014, 47, 2807-2824.	8.1	106
3	Boosted manifold principal angles for image set-based recognition. Pattern Recognition, 2007, 40, 2475-2484.	8.1	65
4	Understanding and Overcoming the Sticking Point in Resistance Exercise. Sports Medicine, 2016, 46, 751-762.	6.5	54
5	The Sticking Point in the Bench Press, the Squat, and the Deadlift: Similarities and Differences, and Their Significance for Research and Practice. Sports Medicine, 2017, 47, 631-640.	6.5	53
6	A principled machine learning framework improves accuracy of stage II colorectal cancer prognosis. Npj Digital Medicine, 2018, 1, 52.	10.9	47
7	Using Twitter to learn about the autism community. Social Network Analysis and Mining, 2015, 5, 1.	2.8	44
8	Discriminative extended canonical correlation analysis for pattern set matching. Machine Learning, 2014, 94, 353-370.	5.4	42
9	A pose-wise linear illumination manifold model for face recognition using video. Computer Vision and Image Understanding, 2009, 113, 113-125.	4.7	41
10	Infrared face recognition: A literature review. , 2013, , .		41
11	Achieving robust face recognition from video by combining a weak photometric model and a learnt generic face invariant. Pattern Recognition, 2013, 46, 9-23.	8.1	36
12	Colour invariants under a non-linear photometric camera model and their application to face recognition from video. Pattern Recognition, 2012, 45, 2499-2509.	8.1	33
13	Thermal and reflectance based personal identification methodology under variable illumination. Pattern Recognition, 2010, 43, 1801-1813.	8.1	32
14	Data-mining twitter and the autism spectrum disorder: A Pilot study. , 2014, , .		32
15	Face Recognition from Video Using the Generic Shape-Illumination Manifold. Lecture Notes in Computer Science, 2006, , 27-40.	1.3	31
16	Automatic attribution of ancient Roman imperial coins. , 2010, , .		29
17	A methodology for rapid illumination-invariant face recognition using image processing filters. Computer Vision and Image Understanding, 2009, 113, 159-171.	4.7	28
18	An information-theoretic approach to face recognition from face motion manifolds. Image and Vision Computing, 2006, 24, 639-647.	4.5	26

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19	Computationally efficient application of the generic shape-illumination invariant to face recognition from video. Pattern Recognition, 2012, 45, 92-103.	8.1	25
20	Detection of Dynamic Background Due to Swaying Movements From Motion Features. IEEE Transactions on Image Processing, 2015, 24, 332-344.	9.8	25
21	Contextually Learnt Detection of Unusual Motion-Based Behaviour in Crowded Public Spaces. , 2011, , 403-410.		23
22	A mathematical model of neuromuscular adaptation to resistance training and its application in a computer simulation of accommodating loads. European Journal of Applied Physiology, 2010, 110, 523-538.	2.5	22
23	Discovering hospital admission patterns using models learnt from electronic hospital records. Bioinformatics, 2015, 31, 3970-3976.	4.1	22
24	On Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2006, , .		21
25	Overcoming Data Scarcity of Twitter. , 2015, , .		21
26	Reading Ancient Coins: Automatically Identifying Denarii Using Obverse Legend Seeded Retrieval. Lecture Notes in Computer Science, 2012, , 317-330.	1.3	21
27	Discovering topic structures of a temporally evolving document corpus. Knowledge and Information Systems, 2018, 55, 599-632.	3.2	19
28	Multiple-object Tracking in Cluttered and Crowded Public Spaces. Lecture Notes in Computer Science, 2010, , 89-98.	1.3	19
29	Review of Automatic Microexpression Recognition in the Past Decade. Machine Learning and Knowledge Extraction, 2021, 3, 414-434.	5.0	18
30	Assessment of Immunological Features in Muscle-Invasive Bladder Cancer Prognosis Using Ensemble Learning. Cancers, 2021, 13, 1624.	3.7	17
31	A New Framework for Interpreting the Outcomes of Imperfectly Blinded Controlled Clinical Trials. PLoS ONE, 2012, 7, e48984.	2.5	17
32	Making the most of the self-quotient image in face recognition. , 2013, , .		16
33	A Comparison of Methods for Studying the Tumor Microenvironment's Spatial Heterogeneity in Digital Pathology Specimens. Journal of Pathology Informatics, 2021, 12, 6.	1.7	16
34	Illumination-invariant face recognition from a single image across extreme pose using a dual dimension AAM ensemble in the thermal infrared spectrum. , 2013, , .		15
35	Efficient and accurate set-based registration of time-separated aerial images. Pattern Recognition, 2015, 48, 3466-3476.	8.1	15
36	Ancient Roman Coin Recognition in the Wild Using Deep Learning Based Recognition of Artistically Depicted Face Profiles. , 2017, , .		15

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37	Hierarchical Dirichlet Process for Tracking Complex Topical Structure Evolution and Its Application to Autism Research Literature. Lecture Notes in Computer Science, 2015, , 550-562.	1.3	15
38	Two Maximum Entropy-Based Algorithms for Running Quantile Estimation in Nonstationary Data Streams. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1469-1479.	8.3	14
39	Tuberculosis Bacteria Detection and Counting in Fluorescence Microscopy Images Using a Multi-Stage Deep Learning Pipeline. Information (Switzerland), 2022, 13, 96.	2.9	13
40	Towards sophisticated learning from EHRs: Increasing prediction specificity and accuracy using clinically meaningful risk criteria. , 2016, 2016, 2452-2455.		12
41	Believe the HiPe: Hierarchical perturbation for fast, robust, and model-agnostic saliency mapping. Pattern Recognition, 2022, 129, 108743.	8.1	12
42	Optimal effort investment for overcoming the weakest point: new insights from a computational model of neuromuscular adaptation. European Journal of Applied Physiology, 2011, 111, 1715-1723.	2.5	11
43	A risky business or a safe BET? A Fuzzy Set Event Tree for estimating hazard in biotelemetry studies. Animal Behaviour, 2014, 93, 143-150.	1.9	11
44	Common Variants of the Resistance Mechanism in the Smith Machine: Analysis of Mechanical Loading Characteristics and Application to Strength-Oriented and Hypertrophy-Oriented Training. Journal of Strength and Conditioning Research, 2012, 26, 350-363.	2.1	10
45	Does cheating pay: the role of externally supplied momentum on muscular force in resistance exercise. European Journal of Applied Physiology, 2013, 113, 135-145.	2.5	10
46	Hallucinating optimal high-dimensional subspaces. Pattern Recognition, 2014, 47, 2662-2672.	8.1	10
47	Identification of promising research directions using machine learning aided medical literature analysis. , 2016, 2016, 2471-2474.		10
48	Visualization of patient specific disease risk prediction. , 2017, , .		10
49	Diagnosis Prediction from Electronic Health Records Using the Binary Diagnosis History Vector Representation. Journal of Computational Biology, 2017, 24, 767-786.	1.6	10
50	Complex temporal topic evolution modelling using the Kullback-Leibler divergence and the Bhattacharyya distance. Eurasip Journal on Bioinformatics and Systems Biology, 2016, 2016, 16.	1.4	9
51	Clinical Trial Adaptation by Matching Evidence in Complementary Patient Sub-groups of Auxiliary Blinding Questionnaire Responses. PLoS ONE, 2015, 10, e0131524.	2.5	8
52	Fairer Citation Based Metrics. Publishing Research Quarterly, 2016, 32, 163-169.	1.2	8
53	CCTV Scene Perspective Distortion Estimation From Low-Level Motion Features. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 939-949.	8.3	8
54	Towards objective and reproducible study of patient-doctor interaction: Automatic text analysis based VR-CoDES annotation of consultation transcripts. , 2017, 2017, 2638-2641.		8

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55	Learning to Describe: A New Approach to Computer Vision Based Ancient Coin Analysis. Sci, 2020, 2, 8.	3.0	8
56	Unfolding a Face: From Singular to Manifold. Lecture Notes in Computer Science, 2010, , 203-213.	1.3	8
57	Analysing the History of Autism Spectrum Disorder Using Topic Models. , 2016, , .		7
58	Glycaemic index prediction: A pilot study of data linkage challenges and the application of machine learning. , 2017, , .		7
59	Towards computer vision based ancient coin recognition in the wild â€" Automatic reliable image preprocessing and normalization. , 2017, , .		7
60	On the discovery of hospital admission patternsâ€"a clarification. Bioinformatics, 2016, 32, 2078-2078.	4.1	6
61	Big Data Driven Detection of Trees in Suburban Scenes Using Visual Spectrum Eye Level Photography. Sensors, 2020, 20, 3051.	3.8	6
62	Using Machine Learning for Automatic Estimation of M. Smegmatis Cell Count from Fluorescence Microscopy Images. Studies in Computational Intelligence, 2020, , 57-68.	0.9	6
63	Prediction of health outcomes using big (health) data. , 2015, 2015, 2543-6.		5
64	Bo(V)W models for object recognition from video. , 2015, , .		5
65	Highly Accurate and Fully Automatic 3D Head Pose Estimation and Eye Gaze Estimation Using RGB-D Sensors and 3D Morphable Models. Sensors, 2018, 18, 4280.	3.8	5
66	Reimagining the central challenge of face recognition: Turning a problem into an advantage. Pattern Recognition, 2018, 83, 388-400.	8.1	5
67	Determining Chess Game State from an Image. Journal of Imaging, 2021, 7, 94.	3.0	5
68	Facial Action Unit Detection with Local Key Facial Sub-region based Multi-label Classification for Micro-expression Analysis. , 2021, , .		5
69	Doping Use Meta-Analysis: Science Seasoned with Moralistic Prejudice. Sports Medicine, 2015, 45, 443-444.	6.5	4
70	Learnt Quasi-Transitive Similarity for Retrieval from Large Collections of Faces. , 2016, , .		4
71	Ancient Roman Coin Retrieval: A Systematic Examination of the Effects of Coin Grade. Lecture Notes in Computer Science, 2017, , 410-423.	1.3	4
72	Computer-Aided Parameter Selection for Resistance Exercise Using Machine Vision-Based Capability Profile Estimation. Augmented Human Research, 2017, 2, 1.	4.7	4

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73	A more principled use of the p -value? Not so fast: a critique of Colquhounâ€™s argument. Royal Society Open Science, 2019, 6, 181519.	2.4	4
74	Making Japenese Ukiyo-e Art 3D in Real-Time. Sci, 2020, 2, 6.	3.0	4
75	Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. Sci, 2020, 2, 37.	3.0	4
76	Whole Slide Pathology Image Patch Based Deep Classification: An Investigation of the Effects of the Latent Autoencoder Representation and the Loss Function Form. , 2021, , .		4
77	Recognition from Appearance Subspaces across Image Sets of Variable Scale. , 2010, , .		4
78	How Good is the Science That Informs Government Policy? A Lesson From the U.K.â€™s Response to 2020 CoV-2 Outbreak. Journal of Bioethical Inquiry, 2021, 18, 561.	1.5	4
79	Stream Quantiles via Maximal Entropy Histograms. Lecture Notes in Computer Science, 2014, , 327-334.	1.3	4
80	On Self-Propagating Methodological Flaws in Performance Normalization for Strength and Power Sports. Sports Medicine, 2013, 43, 451-461.	6.5	3
81	Discriminative k-means clustering. , 2013, , .		3
82	Automatic vehicle tracking and recognition from aerial image sequences. , 2015, , .		3
83	Synthesising Wider Field Images from Narrow-Field Retinal Video Acquired Using a Low-Cost Direct Ophthalmoscope (Arclight) Attached to a Smartphone. , 2017, , .		3
84	Intuitive and interpretable visual communication of a complex statistical model of disease progression and risk. , 2017, 2017, 4199-4202.		3
85	Employing Domain Specific Discriminative Information to Address Inherent Limitations of the LBP Descriptor in Face Recognition. , 2018, , .		3
86	Visual Reconstruction of Ancient Coins Using Cycle-Consistent Generative Adversarial Networks. Sci, 2020, 2, 52.	3.0	3
87	Computer Simulation based Parameter Selection for Resistance Exercise. , 2013, , .		3
88	Extracting and Classifying Salient Fields of View from Microscopy Slides of Tuberculosis Bacteria. Lecture Notes in Computer Science, 2022, , 146-157.	1.3	3
89	Colour invariants for machine face recognition. , 2008, , .		2
90	Face filtering — Insights from real-world data. , 2015, , .		2

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91	Descriptor transition tables for object retrieval using unconstrained cluttered video acquired using a consumer level handheld mobile device. , 2016, , .		2
92	Automatic vertebrae localization from CT scans using volumetric descriptors. , 2017, 2017, 576-579.		2
93	Automatic Semantic Labelling of Images by Their Content Using Non-Parametric Bayesian Machine Learning and Image Search Using Synthetically Generated Image Collages. , 2018, , .		2
94	Targeted Adaptable Sample for Accurate and Efficient Quantile Estimation in Non-Stationary Data Streams. Machine Learning and Knowledge Extraction, 2019, 1, 848-870.	5.0	2
95	Visual Reconstruction of Ancient Coins Using Cycle-Consistent Generative Adversarial Networks. Sci, 2020, 2, 13.	3.0	2
96	Learning to Describe: A New Approach to Computer Vision Based Ancient Coin Analysis. Sci, 2020, 2, 27.	3.0	2
97	Learning nuanced cross-disciplinary citation metric normalization using the hierarchical dirichlet process on big scholarly data. , 2017, , .		2
98	Nuances of Interpreting X-ray Analysis by Deep Learning and Lessons for Reporting Experimental Findings. Sci, 2022, 4, 3.	3.0	2
99	Freehand 3D scanning in a mobile environment using video. , 2011, , .		1
100	The adaptable buffer algorithm for high quantile estimation in non-stationary data streams. , 2015, , .		1
101	Achieving stable subspace clustering by post-processing generic clustering results. , 2016, , .		1
102	Weighted Linear Fusion of Multimodal Data. , 2016, , .		1
103	On normative judgments and ethics. BMC Medical Ethics, 2016, 17, 75.	2.4	1
104	Information and knowing when to forget it. , 2017, , .		1
105	Light Curve Analysis From Kepler Spacecraft Collected Data. , 2017, , .		1
106	Strategies for informed sample size reduction in adaptive controlled clinical trials. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	1
107	Bringing Modern Machine Learning into Clinical Practice Through the Use of Intuitive Visualization and Humanâ€“Computer Interaction. Augmented Human Research, 2019, 4, 1.	4.7	1
108	Images of Roman Imperial Denarii: A Curated Data Set for the Evaluation of Computer Vision Algorithms Applied to Ancient Numismatics, and an Overview of Challenges in the Field. Sci, 2020, 2, 91.	3.0	1

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109	Images of Roman Imperial Denarii: A Curated Data Set for the Evaluation of Computer Vision Algorithms Applied to Ancient Numismatics, and an Overview of Challenges in the Field. Sci, 2020, 2, 15.	3.0	1
110	Making Japenese Ukiyo-e Art 3D in Real-Time. Sci, 2020, 2, 32.	3.0	1
111	Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. Sci, 2020, 2, 18.	3.0	1
112	AI, Democracy, and the Importance of Asking the Right QuestionsÂ. The AI Ethics Journal, 2021, 2, .	0.8	1
113	COVID-19 and Science Communication: The Recording and Reporting of Disease Mortality. Information (Switzerland), 2022, 13, 97.	2.9	1
114	Data Efficient Support Vector Machine Training Using the Minimum Description Length Principle. , 2022, , .		1
115	Sequential Normalization: Embracing Smaller Sample Sizes for Normalization. Information (Switzerland), 2022, 13, 337.	2.9	1
116	Baseline Fusion for Image and Pattern Recognitionâ€"What Not to Do (and How to Do Better). Journal of Imaging, 2017, 3, 44.	3.0	0
117	A Standardized, and Extensible Framework for Comparative Analysis of Quantitative Finance Algorithms - An Open-Source Solution, and Examples of Baseline Experiments with Discussion. , 2018, , .		0
118	Tracking of Deformable Objects Using Dynamically and Robustly Updating Pictorial Structures. Journal of Imaging, 2020, 6, 61.	3.0	0
119	Images of Roman Imperial Denarii: A Curated Data Set for the Evaluation of Computer Vision Algorithms Applied to Ancient Numismatics, and an Overview of Challenges in the Field. Sci, 2020, 2, 65.	3.0	0
120	Images of Roman Imperial Denarii: A Curated Data Set for the Evaluation of Computer Vision Algorithms Applied to Ancient Numismatics, and an Overview of Challenges in the Field. Sci, 2020, 2, 47.	3.0	0
121	Cold beverage-induced vasovagal syncope in a healthy young adult man: a case report. Journal of Medical Case Reports, 2020, 14, 37.	0.8	0
122	A systemic challenge in dietetics: Methodological inadequacies, erroneous claims, and misleadinginterpretations, and transparency of post-publication scrutiny. Nutrition and Health, 2022, , 026010602210941.	1.5	0
123	Towards Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2007, , 75-90.		0