Ognjen Arandjelović

List of Publications by Year
in descending order

123	1,647	393982 19	395343 33
papers	citations	h-index	g-index

125	125	125	1401
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nuances of Interpreting X-ray Analysis by Deep Learning and Lessons for Reporting Experimental Findings. Sci, 2022, 4, 3.	1.8	2
2	Tuberculosis Bacteria Detection and Counting in Fluorescence Microscopy Images Using a Multi-Stage Deep Learning Pipeline. Information (Switzerland), 2022, 13, 96.	1.7	13
3	COVID-19 and Science Communication: The Recording and Reporting of Disease Mortality. Information (Switzerland), 2022, 13, 97.	1.7	1
4	A systemic challenge in dietetics: Methodological inadequacies, erroneous claims, and misleadinginterpretations, and transparency of post-publication scrutiny. Nutrition and Health, 2022, , 026010602210941.	0.6	0
5	Data Efficient Support Vector Machine Training Using the Minimum Description Length Principle. , 2022, , .		1
6	Believe the HiPe: Hierarchical perturbation for fast, robust, and model-agnostic saliency mapping. Pattern Recognition, 2022, 129, 108743.	5.1	12
7	Extracting and Classifying Salient Fields of View from Microscopy Slides of Tuberculosis Bacteria. Lecture Notes in Computer Science, 2022, , 146-157.	1.0	3
8	Sequential Normalization: Embracing Smaller Sample Sizes for Normalization. Information (Switzerland), 2022, 13, 337.	1.7	1
9	A Comparison of Methods for Studying the Tumor Microenvironment's Spatial Heterogeneity in Digital Pathology Specimens. Journal of Pathology Informatics, 2021, 12, 6.	0.8	16
10	Assessment of Immunological Features in Muscle-Invasive Bladder Cancer Prognosis Using Ensemble Learning. Cancers, 2021, 13, 1624.	1.7	17
11	Review of Automatic Microexpression Recognition in the Past Decade. Machine Learning and Knowledge Extraction, 2021, 3, 414-434.	3.2	18
12	Determining Chess Game State from an Image. Journal of Imaging, 2021, 7, 94.	1.7	5
13	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
14	AI, Democracy, and the Importance of Asking the Right Questionsâ. The AI Ethics Journal, 2021, 2, .	0.8	1
15	Facial Action Unit Detection with Local Key Facial Sub-region based Multi-label Classification for Micro-expression Analysis. , 2021, , .		5
16	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.	0.9	4
17	Tracking of Deformable Objects Using Dynamically and Robustly Updating Pictorial Structures. Journal of Imaging, 2020, 6, 61.	1.7	0
18	Visual Reconstruction of Ancient Coins Using Cycle-Consistent Generative Adversarial Networks. Sci, 2020, 2, 52.	1.8	3

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19	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.	1.8	0
20	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.	1.8	1
21	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.	1.8	1
22	Making Japenese Ukiyo-e Art 3D in Real-Time. Sci, 2020, 2, 32.	1.8	1
23	Learning to Describe: A New Approach to Computer Vision Based Ancient Coin Analysis. Sci, 2020, 2, 8.	1.8	8
24	Making Japenese Ukiyo-e Art 3D in Real-Time. Sci, 2020, 2, 6.	1.8	4
25	Visual Reconstruction of Ancient Coins Using Cycle-Consistent Generative Adversarial Networks. Sci, 2020, 2, 13.	1.8	2
26	Big Data Driven Detection of Trees in Suburban Scenes Using Visual Spectrum Eye Level Photography. Sensors, 2020, 20, 3051.	2.1	6
27	Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. Sci, 2020, 2, 37.	1.8	4
28	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.	1.8	0
29	Cold beverage-induced vasovagal syncope in a healthy young adult man: a case report. Journal of Medical Case Reports, 2020, 14, 37.	0.4	0
30	Learning to Describe: A New Approach to Computer Vision Based Ancient Coin Analysis. Sci, 2020, 2, 27.	1.8	2
31	Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. Sci, 2020, 2, 18.	1.8	1
32	Using Machine Learning for Automatic Estimation of M. Smegmatis Cell Count from Fluorescence Microscopy Images. Studies in Computational Intelligence, 2020, , 57-68.	0.7	6
33	Bringing Modern Machine Learning into Clinical Practice Through the Use of Intuitive Visualization and Human–Computer Interaction. Augmented Human Research, 2019, 4, 1.	3.5	1
34	Targeted Adaptable Sample for Accurate and Efficient Quantile Estimation in Non-Stationary Data Streams. Machine Learning and Knowledge Extraction, 2019, 1, 848-870.	3.2	2
35	A more principled use of the p -value? Not so fast: a critique of Colquhoun's argument. Royal Society Open Science, 2019, 6, 181519.	1.1	4
36	Deep Learning for Whole Slide Image Analysis: An Overview. Frontiers in Medicine, 2019, 6, 264.	1.2	178

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37	Discovering topic structures of a temporally evolving document corpus. Knowledge and Information Systems, 2018, 55, 599-632.	2.1	19
38	Automatic Semantic Labelling of Images by Their Content Using Non-Parametric Bayesian Machine Learning and Image Search Using Synthetically Generated Image Collages. , 2018, , .		2
39	A principled machine learning framework improves accuracy of stage II colorectal cancer prognosis. Npj Digital Medicine, 2018, 1, 52.	5.7	47
40	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
41	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.	2.1	5
42	Employing Domain Specific Discriminative Information to Address Inherent Limitations of the LBP Descriptor in Face Recognition. , 2018, , .		3
43	Reimagining the central challenge of face recognition: Turning a problem into an advantage. Pattern Recognition, 2018, 83, 388-400.	5.1	5
44	Ancient Roman Coin Retrieval: A Systematic Examination of the Effects of Coin Grade. Lecture Notes in Computer Science, 2017, , 410-423.	1.0	4
45	Glycaemic index prediction: A pilot study of data linkage challenges and the application of machine learning. , 2017, , .		7
46	Visualization of patient specific disease risk prediction. , 2017, , .		10
47	Diagnosis Prediction from Electronic Health Records Using the Binary Diagnosis History Vector Representation. Journal of Computational Biology, 2017, 24, 767-786.	0.8	10
48	Information and knowing when to forget it. , 2017, , .		1
49	Computer-Aided Parameter Selection for Resistance Exercise Using Machine Vision-Based Capability Profile Estimation. Augmented Human Research, 2017, 2, 1.	3.5	4
50	Light Curve Analysis From Kepler Spacecraft Collected Data. , 2017, , .		1
51	Towards computer vision based ancient coin recognition in the wild â€" Automatic reliable image preprocessing and normalization. , 2017, , .		7
52	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.	3.1	53
53	Automatic vertebrae localization from CT scans using volumetric descriptors. , 2017, 2017, 576-579.		2
54	Synthesising Wider Field Images from Narrow-Field Retinal Video Acquired Using a Low-Cost Direct Ophthalmoscope (Arclight) Attached to a Smartphone. , 2017, , .		3

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55	Ancient Roman Coin Recognition in the Wild Using Deep Learning Based Recognition of Artistically Depicted Face Profiles. , 2017, , .		15
56	Towards objective and reproducible study of patient-doctor interaction: Automatic text analysis based VR-CoDES annotation of consultation transcripts. , 2017, 2017, 2638-2641.		8
57	Intuitive and interpretable visual communication of a complex statistical model of disease progression and risk. , 2017, 2017, 4199-4202.		3
58	Baseline Fusion for Image and Pattern Recognition—What Not to Do (and How to Do Better). Journal of Imaging, 2017, 3, 44.	1.7	0
59	Strategies for informed sample size reduction in adaptive controlled clinical trials. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	1
60	Learning nuanced cross-disciplinary citation metric normalization using the hierarchical dirichlet process on big scholarly data. , 2017, , .		2
61	Achieving stable subspace clustering by post-processing generic clustering results. , 2016, , .		1
62	Weighted Linear Fusion of Multimodal Data. , 2016, , .		1
63	Analysing the History of Autism Spectrum Disorder Using Topic Models. , 2016, , .		7
64	Towards sophisticated learning from EHRs: Increasing prediction specificity and accuracy using clinically meaningful risk criteria. , 2016, 2016, 2452-2455.		12
65	Descriptor transition tables for object retrieval using unconstrained cluttered video acquired using a consumer level handheld mobile device. , 2016, , .		2
66	Identification of promising research directions using machine learning aided medical literature analysis. , 2016, 2016, 2471-2474.		10
67	Learnt Quasi-Transitive Similarity for Retrieval from Large Collections of Faces. , 2016, , .		4
68	Fairer Citation Based Metrics. Publishing Research Quarterly, 2016, 32, 163-169.	0.4	8
69	On normative judgments and ethics. BMC Medical Ethics, 2016, 17, 75.	1.0	1
70	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
71	CCTV Scene Perspective Distortion Estimation From Low-Level Motion Features. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 939-949.	5.6	8
72	On the discovery of hospital admission patterns—a clarification. Bioinformatics, 2016, 32, 2078-2078.	1.8	6

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73	Understanding and Overcoming the Sticking Point in Resistance Exercise. Sports Medicine, 2016, 46, 751-762.	3.1	54
74	Clinical Trial Adaptation by Matching Evidence in Complementary Patient Sub-groups of Auxiliary Blinding Questionnaire Responses. PLoS ONE, 2015, 10, e0131524.	1.1	8
75	Doping Use Meta-Analysis: Science Seasoned with Moralistic Prejudice. Sports Medicine, 2015, 45, 443-444.	3.1	4
76	The adaptable buffer algorithm for high quantile estimation in non-stationary data streams. , 2015, , .		1
77	Overcoming Data Scarcity of Twitter. , 2015, , .		21
78	Prediction of health outcomes using big (health) data. , 2015, 2015, 2543-6.		5
79	Bo(V)W models for object recognition from video. , 2015, , .		5
80	Face filtering — Insights from real-world data. , 2015, , .		2
81	Automatic vehicle tracking and recognition from aerial image sequences. , 2015, , .		3
82	Efficient and accurate set-based registration of time-separated aerial images. Pattern Recognition, 2015, 48, 3466-3476.	5.1	15
83	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.	5.6	14
84	Discovering hospital admission patterns using models learnt from electronic hospital records. Bioinformatics, 2015, 31, 3970-3976.	1.8	22
85	Using Twitter to learn about the autism community. Social Network Analysis and Mining, 2015, 5, 1.	1.9	44
86	Detection of Dynamic Background Due to Swaying Movements From Motion Features. IEEE Transactions on Image Processing, 2015, 24, 332-344.	6.0	25
87	Hierarchical Dirichlet Process for Tracking Complex Topical Structure Evolution and Its Application to Autism Research Literature. Lecture Notes in Computer Science, 2015, , 550-562.	1.0	15
88	Data-mining twitter and the autism spectrum disorder: A Pilot study. , 2014, , .		32
89	Hallucinating optimal high-dimensional subspaces. Pattern Recognition, 2014, 47, 2662-2672.	5.1	10
90	Discriminative extended canonical correlation analysis for pattern set matching. Machine Learning, 2014, 94, 353-370.	3.4	42

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91	Infrared face recognition: A comprehensive review of methodologies and databases. Pattern Recognition, 2014, 47, 2807-2824.	5.1	106
92	A risky business or a safe BET? A Fuzzy Set Event Tree for estimating hazard in biotelemetry studies. Animal Behaviour, 2014, 93, 143-150.	0.8	11
93	Stream Quantiles via Maximal Entropy Histograms. Lecture Notes in Computer Science, 2014, , 327-334.	1.0	4
94	On Self-Propagating Methodological Flaws in Performance Normalization for Strength and Power Sports. Sports Medicine, 2013, 43, 451-461.	3.1	3
95	Does cheating pay: the role of externally supplied momentum on muscular force in resistance exercise. European Journal of Applied Physiology, 2013, 113, 135-145.	1.2	10
96	Achieving robust face recognition from video by combining a weak photometric model and a learnt generic face invariant. Pattern Recognition, 2013, 46, 9-23.	5.1	36
97	Discriminative k-means clustering. , 2013, , .		3
98	Illumination-invariant face recognition from a single image across extreme pose using a dual dimension AAM ensemble in the thermal infrared spectrum. , 2013, , .		15
99	Infrared face recognition: A literature review. , 2013, , .		41
100	Making the most of the self-quotient image in face recognition. , 2013, , .		16
101	Computer Simulation based Parameter Selection for Resistance Exercise. , 2013, , .		3
102	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.	1.0	10
103	Computationally efficient application of the generic shape-illumination invariant to face recognition from video. Pattern Recognition, 2012, 45, 92-103.	5.1	25
104	Colour invariants under a non-linear photometric camera model and their application to face recognition from video. Pattern Recognition, 2012, 45, 2499-2509.	5.1	33
105	Reading Ancient Coins: Automatically Identifying Denarii Using Obverse Legend Seeded Retrieval. Lecture Notes in Computer Science, 2012, , 317-330.	1.0	21
106	A New Framework for Interpreting the Outcomes of Imperfectly Blinded Controlled Clinical Trials. PLoS ONE, 2012, 7, e48984.	1.1	17
107	Freehand 3D scanning in a mobile environment using video. , 2011, , .		1
108	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.	1.2	11

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109	Contextually Learnt Detection of Unusual Motion-Based Behaviour in Crowded Public Spaces. , 2011, , 403-410.		23
110	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.	1.2	22
111	Thermal and reflectance based personal identification methodology under variable illumination. Pattern Recognition, 2010, 43, 1801-1813.	5.1	32
112	Automatic attribution of ancient Roman imperial coins. , 2010, , .		29
113	Unfolding a Face: From Singular to Manifold. Lecture Notes in Computer Science, 2010, , 203-213.	1.0	8
114	Multiple-object Tracking in Cluttered and Crowded Public Spaces. Lecture Notes in Computer Science, 2010, , 89-98.	1.0	19
115	Recognition from Appearance Subspaces across Image Sets of Variable Scale. , 2010, , .		4
116	A methodology for rapid illumination-invariant face recognition using image processing filters. Computer Vision and Image Understanding, 2009, 113, 159-171.	3.0	28
117	A pose-wise linear illumination manifold model for face recognition using video. Computer Vision and Image Understanding, 2009, 113, 113-125.	3.0	41
118	Colour invariants for machine face recognition. , 2008, , .		2
119	Boosted manifold principal angles for image set-based recognition. Pattern Recognition, 2007, 40, 2475-2484.	5.1	65
120	Towards Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2007, , 75-90.		0
121	Face Recognition from Video Using the Generic Shape-Illumination Manifold. Lecture Notes in Computer Science, 2006, , 27-40.	1.0	31
122	An information-theoretic approach to face recognition from face motion manifolds. Image and Vision Computing, 2006, 24, 639-647.	2.7	26
123	On Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2006, , .		21