

Ognjen ArandjeloviÄ

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

1,647
citations

393982

19
h-index

395343

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. <i>Frontiers in Medicine</i> , 2019, 6, 264. | 1.2 | 178 |
| 2 | Infrared face recognition: A comprehensive review of methodologies and databases. <i>Pattern Recognition</i> , 2014, 47, 2807-2824. | 5.1 | 106 |
| 3 | Boosted manifold principal angles for image set-based recognition. <i>Pattern Recognition</i> , 2007, 40, 2475-2484. | 5.1 | 65 |
| 4 | Understanding and Overcoming the Sticking Point in Resistance Exercise. <i>Sports Medicine</i> , 2016, 46, 751-762. | 3.1 | 54 |
| 5 | The Sticking Point in the Bench Press, the Squat, and the Deadlift: Similarities and Differences, and Their Significance for Research and Practice. <i>Sports Medicine</i> , 2017, 47, 631-640. | 3.1 | 53 |
| 6 | A principled machine learning framework improves accuracy of stage II colorectal cancer prognosis. <i>Npj Digital Medicine</i> , 2018, 1, 52. | 5.7 | 47 |
| 7 | Using Twitter to learn about the autism community. <i>Social Network Analysis and Mining</i> , 2015, 5, 1. | 1.9 | 44 |
| 8 | Discriminative extended canonical correlation analysis for pattern set matching. <i>Machine Learning</i> , 2014, 94, 353-370. | 3.4 | 42 |
| 9 | A pose-wise linear illumination manifold model for face recognition using video. <i>Computer Vision and Image Understanding</i> , 2009, 113, 113-125. | 3.0 | 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. <i>Pattern Recognition</i> , 2013, 46, 9-23. | 5.1 | 36 |
| 12 | Colour invariants under a non-linear photometric camera model and their application to face recognition from video. <i>Pattern Recognition</i> , 2012, 45, 2499-2509. | 5.1 | 33 |
| 13 | Thermal and reflectance based personal identification methodology under variable illumination. <i>Pattern Recognition</i> , 2010, 43, 1801-1813. | 5.1 | 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. <i>Lecture Notes in Computer Science</i> , 2006, , 27-40. | 1.0 | 31 |
| 16 | Automatic attribution of ancient Roman imperial coins. , 2010, , . | | 29 |
| 17 | A methodology for rapid illumination-invariant face recognition using image processing filters. <i>Computer Vision and Image Understanding</i> , 2009, 113, 159-171. | 3.0 | 28 |
| 18 | An information-theoretic approach to face recognition from face motion manifolds. <i>Image and Vision Computing</i> , 2006, 24, 639-647. | 2.7 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Computationally efficient application of the generic shape-illumination invariant to face recognition from video. <i>Pattern Recognition</i> , 2012, 45, 92-103. | 5.1 | 25 |
| 20 | Detection of Dynamic Background Due to Swaying Movements From Motion Features. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 332-344. | 6.0 | 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. <i>European Journal of Applied Physiology</i> , 2010, 110, 523-538. | 1.2 | 22 |
| 23 | Discovering hospital admission patterns using models learnt from electronic hospital records. <i>Bioinformatics</i> , 2015, 31, 3970-3976. | 1.8 | 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. <i>Lecture Notes in Computer Science</i> , 2012, , 317-330. | 1.0 | 21 |
| 27 | Discovering topic structures of a temporally evolving document corpus. <i>Knowledge and Information Systems</i> , 2018, 55, 599-632. | 2.1 | 19 |
| 28 | Multiple-object Tracking in Cluttered and Crowded Public Spaces. <i>Lecture Notes in Computer Science</i> , 2010, , 89-98. | 1.0 | 19 |
| 29 | Review of Automatic Microexpression Recognition in the Past Decade. <i>Machine Learning and Knowledge Extraction</i> , 2021, 3, 414-434. | 3.2 | 18 |
| 30 | Assessment of Immunological Features in Muscle-Invasive Bladder Cancer Prognosis Using Ensemble Learning. <i>Cancers</i> , 2021, 13, 1624. | 1.7 | 17 |
| 31 | A New Framework for Interpreting the Outcomes of Imperfectly Blinded Controlled Clinical Trials. <i>PLoS ONE</i> , 2012, 7, e48984. | 1.1 | 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. <i>Journal of Pathology Informatics</i> , 2021, 12, 6. | 0.8 | 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. <i>Pattern Recognition</i> , 2015, 48, 3466-3476. | 5.1 | 15 |
| 36 | Ancient Roman Coin Recognition in the Wild Using Deep Learning Based Recognition of Artistically Depicted Face Profiles. , 2017, , . | | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 1.0 | 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. | 5.6 | 14 |
| 39 | Tuberculosis Bacteria Detection and Counting in Fluorescence Microscopy Images Using a Multi-Stage Deep Learning Pipeline. Information (Switzerland), 2022, 13, 96. | 1.7 | 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. | 5.1 | 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. | 1.2 | 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. | 0.8 | 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. | 1.0 | 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. | 1.2 | 10 |
| 46 | Hallucinating optimal high-dimensional subspaces. Pattern Recognition, 2014, 47, 2662-2672. | 5.1 | 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. | 0.8 | 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. | 1.1 | 8 |
| 52 | Fairer Citation Based Metrics. Publishing Research Quarterly, 2016, 32, 163-169. | 0.4 | 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. | 5.6 | 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. <i>Sci</i> , 2020, 2, 8. | 1.8 | 8 |
| 56 | Unfolding a Face: From Singular to Manifold. <i>Lecture Notes in Computer Science</i> , 2010, , 203-213. | 1.0 | 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. <i>Bioinformatics</i> , 2016, 32, 2078-2078. | 1.8 | 6 |
| 61 | Big Data Driven Detection of Trees in Suburban Scenes Using Visual Spectrum Eye Level Photography. <i>Sensors</i> , 2020, 20, 3051. | 2.1 | 6 |
| 62 | Using Machine Learning for Automatic Estimation of M. Smegmatis Cell Count from Fluorescence Microscopy Images. <i>Studies in Computational Intelligence</i> , 2020, , 57-68. | 0.7 | 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. <i>Sensors</i> , 2018, 18, 4280. | 2.1 | 5 |
| 66 | Reimagining the central challenge of face recognition: Turning a problem into an advantage. <i>Pattern Recognition</i> , 2018, 83, 388-400. | 5.1 | 5 |
| 67 | Determining Chess Game State from an Image. <i>Journal of Imaging</i> , 2021, 7, 94. | 1.7 | 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. <i>Sports Medicine</i> , 2015, 45, 443-444. | 3.1 | 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. <i>Lecture Notes in Computer Science</i> , 2017, , 410-423. | 1.0 | 4 |
| 72 | Computer-Aided Parameter Selection for Resistance Exercise Using Machine Vision-Based Capability Profile Estimation. <i>Augmented Human Research</i> , 2017, 2, 1. | 3.5 | 4 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | Making Japanese Ukiyo-e Art 3D in Real-Time. Sci, 2020, 2, 6. | 1.8 | 4 |
| 75 | Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. Sci, 2020, 2, 37. | 1.8 | 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.'s Response to 2020 CoV-2 Outbreak. Journal of Bioethical Inquiry, 2021, 18, 561. | 0.9 | 4 |
| 79 | Stream Quantiles via Maximal Entropy Histograms. Lecture Notes in Computer Science, 2014, , 327-334. | 1.0 | 4 |
| 80 | On Self-Propagating Methodological Flaws in Performance Normalization for Strength and Power Sports. Sports Medicine, 2013, 43, 451-461. | 3.1 | 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. | 1.8 | 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. | 1.0 | 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. | 3.2 | 2 |
| 95 | Visual Reconstruction of Ancient Coins Using Cycle-Consistent Generative Adversarial Networks. Sci, 2020, 2, 13. | 1.8 | 2 |
| 96 | Learning to Describe: A New Approach to Computer Vision Based Ancient Coin Analysis. Sci, 2020, 2, 27. | 1.8 | 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. | 1.8 | 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. | 1.0 | 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, . | 1.0 | 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. | 3.5 | 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. | 1.8 | 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. <i>Sci</i> , 2020, 2, 15. | 1.8 | 1 |
| 110 | Making Japanese Ukiyo-e Art 3D in Real-Time. <i>Sci</i> , 2020, 2, 32. | 1.8 | 1 |
| 111 | Classification of Ancient Roman Coins by Denomination Using Colour, a Forgotten Feature in Automatic Ancient Coin Analysis. <i>Sci</i> , 2020, 2, 18. | 1.8 | 1 |
| 112 | AI, Democracy, and the Importance of Asking the Right Questions. <i>The AI Ethics Journal</i> , 2021, 2, . | 0.8 | 1 |
| 113 | COVID-19 and Science Communication: The Recording and Reporting of Disease Mortality. <i>Information (Switzerland)</i> , 2022, 13, 97. | 1.7 | 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. <i>Information (Switzerland)</i> , 2022, 13, 337. | 1.7 | 1 |
| 116 | Baseline Fusion for Image and Pattern Recognition. "What Not to Do (and How to Do Better). <i>Journal of Imaging</i> , 2017, 3, 44. | 1.7 | 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. <i>Journal of Imaging</i> , 2020, 6, 61. | 1.7 | 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. <i>Sci</i> , 2020, 2, 65. | 1.8 | 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. <i>Sci</i> , 2020, 2, 47. | 1.8 | 0 |
| 121 | Cold beverage-induced vasovagal syncope in a healthy young adult man: a case report. <i>Journal of Medical Case Reports</i> , 2020, 14, 37. | 0.4 | 0 |
| 122 | A systemic challenge in dietetics: Methodological inadequacies, erroneous claims, and misleading interpretations, and transparency of post-publication scrutiny. <i>Nutrition and Health</i> , 2022, , 026010602210941. | 0.6 | 0 |
| 123 | Towards Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2007, , 75-90. | | 0 |