

Stefan J Poslad

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

1,831
citations

430874

18
h-index

454955

30
g-index

126
all docs

126
docs citations

126
times ranked

1803
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Quantitative spatiotemporal impact of dynamic population density changes on the COVID-19 pandemic in China's mainland. <i>Geo-Spatial Information Science</i> , 2023, 26, 642-663. | 5.3 | 3 |
| 2 | Wi-Fi RTT Ranging Performance Characterization and Positioning System Design. <i>IEEE Transactions on Mobile Computing</i> , 2022, 21, 740-756. | 5.8 | 32 |
| 3 | Off-Line Evaluation of Indoor Positioning Systems in Different Scenarios: The Experiences From IPIN 2020 Competition. <i>IEEE Sensors Journal</i> , 2022, 22, 5011-5054. | 4.7 | 35 |
| 4 | How IoT-Driven Citizen Science Coupled with Data Satisficing Can Promote Deep Citizen Science. <i>Sensors</i> , 2022, 22, 3196. | 3.8 | 0 |
| 5 | A Trajectory-Based Gesture Recognition in Smart Homes Based on the Ultrawideband Communication System. <i>IEEE Internet of Things Journal</i> , 2022, 9, 22861-22873. | 8.7 | 6 |
| 6 | A privacy-preserving consensus mechanism for an electric vehicle charging scheme. <i>Journal of Network and Computer Applications</i> , 2021, 174, 102908. | 9.1 | 5 |
| 7 | Estimation of global horizontal irradiance in China using a deep learning method. <i>International Journal of Remote Sensing</i> , 2021, 42, 3899-3917. | 2.9 | 5 |
| 8 | An Adaptive Human Activity-Aided Hand-Held Smartphone-Based Pedestrian Dead Reckoning Positioning System. <i>Remote Sensing</i> , 2021, 13, 2137. | 4.0 | 15 |
| 9 | A Soft Touch: Wearable Tactile Display of Softness Made of Electroactive Elastomers. <i>Advanced Materials Technologies</i> , 2021, 6, 2100016. | 5.8 | 11 |
| 10 | IoT Sensing for Reality-Enhanced Serious Games, a Fuel-Efficient Drive Use Case. <i>Sensors</i> , 2021, 21, 3559. | 3.8 | 9 |
| 11 | Optimized Computation Combining Classification and Detection Networks with Distillation. , 2021, , . | | 0 |
| 12 | Feature Merged Network for Oil Spill Detection Using SAR Images. <i>Remote Sensing</i> , 2021, 13, 3174. | 4.0 | 16 |
| 13 | Using an Internet of Behaviours to Study How Air Pollution Can Affect People's Activities of Daily Living: A Case Study of Beijing, China. <i>Sensors</i> , 2021, 21, 5569. | 3.8 | 9 |
| 14 | Multi-modal robotic visual-tactile localisation and detection of surface cracks. , 2021, , . | | 3 |
| 15 | A Suite of Robotic Solutions for Nuclear Waste Decommissioning. <i>Robotics</i> , 2021, 10, 112. | 3.5 | 21 |
| 16 | A better way to monitor haze through image based upon the adjusted LeNet-5 CNN model. <i>Signal, Image and Video Processing</i> , 2020, 14, 455-463. | 2.7 | 11 |
| 17 | A Framework to Predict High-Resolution Spatiotemporal PM2.5 Distributions Using a Deep-Learning Model: A Case Study of Shijiazhuang, China. <i>Remote Sensing</i> , 2020, 12, 2825. | 4.0 | 26 |
| 18 | A Method for the Estimation of Finely-Grained Temporal Spatial Human Population Density Distributions Based on Cell Phone Call Detail Records. <i>Remote Sensing</i> , 2020, 12, 2572. | 4.0 | 19 |

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|----|---|-----|-----------|
| 19 | Implementing Tactile and Proximity Sensing for Crack Detection. , 2020, , . | | 7 |
| 20 | A Challenge-Response Assisted Authorisation Scheme for Data Access in Permissioned Blockchains. Sensors, 2020, 20, 4681. | 3.8 | 3 |
| 21 | The IPIN 2019 Indoor Localisation Competitionâ€™ Description and Results. IEEE Access, 2020, 8, 206674-206718. | 4.2 | 37 |
| 22 | Temporal Convolutional Networks for Multiperson Activity Recognition Using a 2-D LIDAR. IEEE Internet of Things Journal, 2020, 7, 7432-7442. | 8.7 | 45 |
| 23 | Toward growable computer games. Interactions, 2020, 27, 82-85. | 1.0 | 5 |
| 24 | Working with Nature's Lag: Initial Design Lessons for Slow Biotic Games. , 2020, , . | | 5 |
| 25 | Automatic Fracture Characterization Using Tactile and Proximity Optical Sensing. Frontiers in Robotics and AI, 2020, 7, 513004. | 3.2 | 5 |
| 26 | Use of LSTM Regression and Rotation Classification to Improve Camera Pose Localization Estimation. , 2020, , . | | 4 |
| 27 | Human Activity Detection and Coarse Localization Outdoors Using Micro-Doppler Signatures. IEEE Sensors Journal, 2019, 19, 8079-8094. | 4.7 | 44 |
| 28 | A Provable Semi-Outsourcing Privacy Preserving Scheme for Data Transmission From IoT Devices. IEEE Access, 2019, 7, 87169-87177. | 4.2 | 7 |
| 29 | Position and Velocity Control for Telemanipulation with Interoperability Protocol. Lecture Notes in Computer Science, 2019, , 316-324. | 1.3 | 4 |
| 30 | Eco-driving Profiling and Behavioral Shifts Using IoT Vehicular Sensors Combined with Serious Games. , 2019, , . | | 15 |
| 31 | Moldy Ghosts and Yeasty Invasions. , 2019, , . | | 7 |
| 32 | Kitchen Activity Detection for Healthcare using a Low-Power Radar-Enabled Sensor Network. , 2019, , . | | 18 |
| 33 | A WiFi RSSI ranking fingerprint positioning system and its application to indoor activities of daily living recognition. International Journal of Distributed Sensor Networks, 2019, 15, 155014771983791. | 2.2 | 22 |
| 34 | Large-Scale, Fine-Grained, Spatial, and Temporal Analysis, and Prediction of Mobile Phone Usersâ€™ Distributions Based upon a Convolution Long Short-Term Model. Sensors, 2019, 19, 2156. | 3.8 | 13 |
| 35 | Engaging with computer science when solving tangible problems. , 2019, , . | | 3 |
| 36 | Exploring Fuzzy Logic and Random Forest for Car Driversâ€™ Fuel Consumption Estimation in IoT-Enabled Serious Games. , 2019, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Microbial Integration on Player Experience of Hybrid Bio-digital Games. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 148-159. | 0.3 | 2 |
| 38 | Growable, Invisible, Connected Toys: Twitching Towards Ubiquitous Bacterial Computing. , 2019, , . | | 3 |
| 39 | Device-Free, Activity During Daily Life, Recognition Using a Low-Cost Lidar. , 2018, , . | | 8 |
| 40 | Block-Based Access Control for Blockchain-Based Electronic Medical Records (EMRs) Query in eHealth. , 2018, , . | | 22 |
| 41 | WiFi Fingerprint Based, Indoor, Location-Driven Activities of Daily Living Recognition. , 2018, , . | | 6 |
| 42 | A Very Low Cost, Open, Wireless, Internet of Things (IoT) Air Quality Monitoring Platform. , 2018, , . | | 16 |
| 43 | A new mould rush. , 2018, , . | | 24 |
| 44 | Internet of Things: Smart Ubiquitous Architecture of Intelligent Transport System. , 2018, , . | | 1 |
| 45 | An efficient wireless access point selection algorithm for location determination based on RSSI interval overlap degree determination. , 2018, , . | | 8 |
| 46 | Blockchain Support for Flexible Queries with Granular Access Control to Electronic Medical Records (EMR). , 2018, , . | | 74 |
| 47 | Soft wearable non-vibratory tactile displays. , 2018, , . | | 17 |
| 48 | A Fuzzy Logic Module to Estimate a Driver's Fuel Consumption for Reality-Enhanced Serious Games. International Journal of Serious Games, 2018, 5, 45-62. | 1.1 | 20 |
| 49 | A dielectric elastomer actuator-based tactile display for multiple fingertip interaction with virtual soft bodies. , 2017, , . | | 8 |
| 50 | A BLE RSSI ranking based indoor positioning system for generic smartphones. , 2017, , . | | 43 |
| 51 | What Lies Above. , 2017, , . | | 2 |
| 52 | GPS Tarot. , 2017, , . | | 1 |
| 53 | A fast path matching algorithm for indoor positioning systems using magnetic field measurements. , 2017, , . | | 6 |
| 54 | A semi-outsourcing secure data privacy scheme for IoT data transmission. , 2017, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | A Game-Theory Based Incentive Framework for an Intelligent Traffic System as Part of a Smart City Initiative. <i>Sensors</i> , 2017, 17, 2874. | 3.8 | 23 |
| 56 | Piecing together the puzzle: Improving event content coverage for real-time sub-event detection using adaptive microblog crawling. <i>PLoS ONE</i> , 2017, 12, e0187401. | 2.5 | 2 |
| 57 | Enabling Wearable Soft Tactile Displays with Electroactive Smart Elastomers. <i>Lecture Notes in Computer Science</i> , 2016, , 326-334. | 1.3 | 1 |
| 58 | A Public Transport Bus as a Flexible Mobile Smart Environment Sensing Platform for IoT. , 2016, , . | | 23 |
| 59 | A Sharable Wearable Maker Community IoT Application. , 2016, , . | | 10 |
| 60 | Routing algorithm based on social relations in opportunistic networks. , 2015, , . | | 4 |
| 61 | Using a Smart City IoT to Incentivise and Target Shifts in Mobility Behaviourâ€”Is It a Piece of Pie?. <i>Sensors</i> , 2015, 15, 13069-13096. | 3.8 | 80 |
| 62 | A Semantic IoT Early Warning System for Natural Environment Crisis Management. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2015, 3, 246-257. | 4.6 | 86 |
| 63 | Short-Term Traffic Volume Prediction for Sustainable Transportation in an Urban Area. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, 04014036. | 4.7 | 12 |
| 64 | Adaptive Identification of Hashtags for Real-Time Event Data Collection. <i>Lecture Notes in Social Networks</i> , 2015, , 1-22. | 0.1 | 3 |
| 65 | Identifying relevant event content for real-time event detection. , 2014, , . | | 9 |
| 66 | Energy-Efficient Real-Time Human Mobility State Classification Using Smartphones. <i>IEEE Transactions on Computers</i> , 2014, , 1-1. | 3.4 | 11 |
| 67 | Improved Use of Foot Force Sensors and Mobile Phone GPS for Mobility Activity Recognition. <i>IEEE Sensors Journal</i> , 2014, 14, 4340-4347. | 4.7 | 31 |
| 68 | A Multi-Modal Incompleteness Ontology model (MMIO) to enhance information fusion for image retrieval. <i>Information Fusion</i> , 2014, 20, 225-241. | 19.1 | 20 |
| 69 | Adaptive security and privacy management for the internet of things (ASPI 2013). , 2013, , . | | 14 |
| 70 | Input variable selection in time-critical knowledge integration applications: A review, analysis, and recommendation paper. <i>Advanced Engineering Informatics</i> , 2013, 27, 519-536. | 8.0 | 12 |
| 71 | A Personalised Online Travel Time Prediction Model. , 2013, , . | | 0 |
| 72 | LALS: A Low Power Accelerometer Assisted Location Sensing technique for smartphones. , 2013, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Delay sensitive distributed sensor data exchange for an IoT. , 2013, , . | | 2 |
| 74 | Exploiting hashtags for adaptive microblog crawling. , 2013, , . | | 13 |
| 75 | Design and Test of a Hybrid Foot Force Sensing and GPS System for Richer User Mobility Activity Recognition. Sensors, 2013, 13, 14918-14953. | 3.8 | 9 |
| 76 | A New Post Correction Algorithm (PoCoA) for Improved Transportation Mode Recognition. , 2013, , . | | 8 |
| 77 | ERSP: An Energy-Efficient Real-Time Smartphone Pedometer. , 2013, , . | | 18 |
| 78 | Personalising Live Sports Video Zooming. , 2013, , . | | 0 |
| 79 | Smart environment interaction: A user assessment of embedded agents. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 331-346. | 1.4 | 4 |
| 80 | Fine-Grained Transportation Mode Recognition Using Mobile Phones and Foot Force Sensors. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 103-114. | 0.3 | 3 |
| 81 | Multi-Disciplinary Approaches to Intelligently Sharing Large-Volumes of Real-Time Sensor Data During Natural Disasters. Data Science Journal, 2013, 12, WDS109-WDS113. | 1.3 | 8 |
| 82 | Multi-Modal Ontology that Enhances Visual Content Retrieval System. International Journal of Electrical Energy, 2013, 1, 284-290. | 0.4 | 0 |
| 83 | A Method to Evaluate the Energy-Efficiency of Wide-Area Location Determination Techniques Used by Smartphones. , 2012, , . | | 6 |
| 84 | Improving the Energy-Efficiency of GPS Based Location Sensing Smartphone Applications. , 2012, , . | | 39 |
| 85 | An Enhanced Bag-of-Visual Word Vector Space Model to Represent Visual Content in Athletics Images. IEEE Transactions on Multimedia, 2012, 14, 211-222. | 7.2 | 59 |
| 86 | Personalized Coverage of Large Athletic Events. IEEE MultiMedia, 2011, 18, 18-29. | 1.7 | 11 |
| 87 | Visual content representation using semantically similar visual words. Expert Systems With Applications, 2011, 38, 11472-11481. | 7.6 | 6 |
| 88 | Toward High-Level Visual Content Interpretation and Annotation for Sport Events. , 2010, , . | | 1 |
| 89 | Semantically similar visual words discovery to facilitate visual invariance. , 2010, , . | | 1 |
| 90 | The USHER System to Generate Semantic Personalised Maps for Travellers. Studies in Computational Intelligence, 2010, , 49-71. | 0.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Semantic representation of text captions to aid sport image retrieval. , 2009, , . | | 0 |
| 92 | A Trust Framework for Peer-to-Peer Interaction in Ad Hoc Networks. , 2009, , . | | 4 |
| 93 | An Intelligent Context-Aware Spatial Routing System in Mobile Environment. , 2009, , . | | 3 |
| 94 | Using Multi-agent Systems to Specify Safe and Secure Services for Virtual Organisations. Lecture Notes in Computer Science, 2009, , 258-273. | 1.3 | 1 |
| 95 | Exploiting Multi-Agent Systems in realizing adaptivity in the Mobile Tourist Domain. AI Communications, 2009, 22, 109-116. | 1.2 | 3 |
| 96 | Personalised Live Sports Event Viewing on Mobile Devices. , 2009, , . | | 0 |
| 97 | Directing your own live and interactive sports channel. , 2009, , . | | 5 |
| 98 | Use of Granularity and Coverage in a User Profile Model to Personalise Visual Content Retrieval. , 2009, , . | | 4 |
| 99 | Intelligent Context-Based Adaptation for Spatial Routing Applications in Dynamic Environment. , 2009, , . | | 0 |
| 100 | Enhanced Sports Image Annotation and Retrieval Based Upon Semantic Analysis of Multimodal Cues. Lecture Notes in Computer Science, 2009, , 817-828. | 1.3 | 3 |
| 101 | Indoor Location and Orientation Determination for Wireless Personal Area Networks. Lecture Notes in Computer Science, 2009, , 91-105. | 1.3 | 9 |
| 102 | Semantic Restructuring of Natural Language Image Captions to Enhance Image Retrieval. Journal of Multimedia, 2009, 4, . | 0.3 | 6 |
| 103 | A Reflective Goal-Based System for Context-Aware Adaptation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 105-110. | 0.3 | 1 |
| 104 | A Semantic Enhanced Adaptive Sharable Personalised Spatial Map for Mobile Users. , 2008, , . | | 1 |
| 105 | Use of Semantic Enhancements to NLP of Image Captions to Aid Image Retrieval. , 2008, , . | | 1 |
| 106 | An Adaptive Semantic Framework to Support Multiple User Viewpoints over Multiple Databases. Studies in Computational Intelligence, 2008, , 261-284. | 0.9 | 3 |
| 107 | A reflective context-aware system for spatial routing applications. , 2008, , . | | 3 |
| 108 | Specifying protocols for multi-agent systems interaction. ACM Transactions on Autonomous and Adaptive Systems, 2007, 2, 15. | 0.8 | 98 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | A Dynamic Semantic Framework to Support Multiple User Viewpoints during Information Retrieval. , 2006, , . | | 0 |
| 110 | A SEMANTIC APPROACH TO HARMONIZING SECURITY MODELS FOR OPEN SERVICES. Applied Artificial Intelligence, 2006, 20, 353-379. | 3.2 | 9 |
| 111 | AN INTEGRATED APPROACH TO USER-CENTERED PRIVACY FOR MOBILE INFORMATION SERVICES. Applied Artificial Intelligence, 2006, 20, 159-178. | 3.2 | 19 |
| 112 | Middleware for semantic-based security and safety management of open services. International Journal of Web and Grid Services, 2005, 1, 305. | 0.5 | 3 |
| 113 | Dynamic security reconfiguration for the semantic web. Engineering Applications of Artificial Intelligence, 2004, 17, 783-797. | 8.1 | 8 |
| 114 | Location-based Mobile Tourist Services - First User Experiences. , 2003, , 115-123. | | 65 |
| 115 | Multi-agent systems research into the 21st century. Knowledge Engineering Review, 2001, 16, 271-275. | 2.6 | 5 |
| 116 | Standardizing Agent Interoperability: The FIPA Approach. Lecture Notes in Computer Science, 2001, , 98-117. | 1.3 | 22 |
| 117 | Communications Systems Driven by Software Agent Technology. Journal of Network and Systems Management, 2000, 8, 321-347. | 4.9 | 3 |
| 118 | Applications and Requirements. , 0, , 41-73. | | 1 |
| 119 | Intelligent Systems (IS). , 0, , 245-277. | | 1 |
| 120 | Autonomous Systems and Artificial Life. , 0, , 317-341. | | 3 |