

C Natalie Van Der Wal

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,003
citations

840585

11
h-index

477173

29
g-index

41
all docs

41
docs citations

41
times ranked

1328
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Environomic-Based Social Demand Response in Cyber-Physical-Social Power Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1302-1306. | 2.2 | 6 |
| 2 | Evacuation behaviors and emergency communications: An analysis of real-world incident videos. Safety Science, 2021, 136, 105121. | 2.6 | 23 |
| 3 | Examining Evacuee Response to Emergency Communications with Agent-Based Simulations. Sustainability, 2021, 13, 4623. | 1.6 | 5 |
| 4 | Multi-Dimensional Output-Oriented Power System Resilience based on Degraded Functionality. , 2021, , . | | 4 |
| 5 | Ergonomists as designers: computational modelling and simulation of complex socio-technical systems. Ergonomics, 2020, 63, 938-951. | 1.1 | 9 |
| 6 | Laughter-inducing therapies: Systematic review and meta-analysis. Social Science and Medicine, 2019, 232, 473-488. | 1.8 | 49 |
| 7 | Negative mood and mind wandering increase long-range temporal correlations in attention fluctuations. PLoS ONE, 2018, 13, e0196907. | 1.1 | 16 |
| 8 | Modelling of Emotional Contagion in Soccer Fans. Lecture Notes in Computer Science, 2018, , 25-53. | 1.0 | 1 |
| 9 | Studying the Impact of Trained Staff on Evacuation Scenarios by Agent-Based Simulation. Lecture Notes in Computer Science, 2018, , 85-96. | 1.0 | 2 |
| 10 | Computational model-based design of leadership support based on situational leadership theory. Simulation, 2017, 93, 605-617. | 1.1 | 5 |
| 11 | An Agent-Based Model Predicting Group Emotion and Misbehaviours in Stranded Passengers. Lecture Notes in Computer Science, 2017, , 28-40. | 1.0 | 0 |
| 12 | Getting Frustrated: Modelling Emotional Contagion in Stranded Passengers. Lecture Notes in Computer Science, 2017, , 611-619. | 1.0 | 1 |
| 13 | An Adaptive Simulation Tool for Evacuation Scenarios. Lecture Notes in Computer Science, 2017, , 766-777. | 1.0 | 2 |
| 14 | Simulating Collective Evacuations with Social Elements. Lecture Notes in Computer Science, 2017, , 160-171. | 1.0 | 5 |
| 15 | Simulating Crowd Evacuation with Socio-Cultural, Cognitive, and Emotional Elements. Lecture Notes in Computer Science, 2017, , 139-177. | 1.0 | 16 |
| 16 | An Agent-Based Evacuation Model with Social Contagion Mechanisms and Cultural Factors. Lecture Notes in Computer Science, 2017, , 620-627. | 1.0 | 4 |
| 17 | Inducing Fear: Cardboard Virtual Reality and 2D Video. Lecture Notes in Computer Science, 2017, , 711-720. | 1.0 | 3 |
| 18 | Cognitive Modelling of Emotion Contagion in a Crowd of Soccer Supporter Agents. Lecture Notes in Computer Science, 2016, , 40-52. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Agent-Based Modeling of Emotion Contagion in Groups. <i>Cognitive Computation</i> , 2015, 7, 111-136. | 3.6 | 98 |
| 20 | Myndplay: Measuring Attention Regulation with Single Dry Electrode Brain Computer Interface. <i>Lecture Notes in Computer Science</i> , 2015, , 192-201. | 1.0 | 5 |
| 21 | Measuring Emotion Regulation with Single Dry Electrode Brain Computer Interface. <i>Lecture Notes in Computer Science</i> , 2015, , 181-191. | 1.0 | 0 |
| 22 | Apps to promote physical activity among adults: a review and content analysis. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014, 11, 97. | 2.0 | 433 |
| 23 | Detecting changing emotions in human speech by machine and humans. <i>Applied Intelligence</i> , 2013, 39, 675-691. | 3.3 | 18 |
| 24 | Modelling collective decision making in groups and crowds: Integrating social contagion and interacting emotions, beliefs and intentions. <i>Autonomous Agents and Multi-Agent Systems</i> , 2013, 27, 52-84. | 1.3 | 103 |
| 25 | Agent-Based Modelling of Social Emotional Decision Making in Emergency Situations. <i>Understanding Complex Systems</i> , 2013, , 79-117. | 0.3 | 6 |
| 26 | An Ambient Agent Model for Support of Informal Caregivers during Stress. <i>Lecture Notes in Computer Science</i> , 2012, , 501-513. | 1.0 | 0 |
| 27 | Detecting Changing Emotions in Natural Speech. <i>Lecture Notes in Computer Science</i> , 2012, , 491-500. | 1.0 | 3 |
| 28 | Crisis Management Evaluation: Formalisation & Analysis Of Communication During Fire Incident In Amsterdam Airport Train Tunnel. , 2012, , . | | 2 |
| 29 | Agent-Based Modelling of the Emergence of Collective States Based on Contagion of Individual States in Groups. <i>Lecture Notes in Computer Science</i> , 2011, , 152-179. | 1.0 | 11 |
| 30 | Agent-Based Analysis of Patterns in Crowd Behaviour Involving Contagion of Mental States. <i>Lecture Notes in Computer Science</i> , 2011, , 566-577. | 1.0 | 13 |
| 31 | An Agent-Based Model for Integrated Contagion and Regulation of Negative Mood. <i>Lecture Notes in Computer Science</i> , 2011, , 83-96. | 1.0 | 2 |
| 32 | Analysis of Beliefs of Survivors of the 7/7 London Bombings: Application of a Formal Model for Contagion of Mental States. <i>Lecture Notes in Computer Science</i> , 2011, , 423-434. | 1.0 | 1 |
| 33 | An Agent-Based Model for the Interplay of Information and Emotion in Social Diffusion. , 2010, , . | | 14 |
| 34 | Modelling the Interplay of Emotions, Beliefs and Intentions within Collective Decision Making Based on Insights from Social Neuroscience. <i>Lecture Notes in Computer Science</i> , 2010, , 196-206. | 1.0 | 23 |
| 35 | Modelling Caregiving Interactions during Stress. <i>Lecture Notes in Computer Science</i> , 2010, , 263-273. | 1.0 | 1 |
| 36 | Modelling the Emergence of Group Decisions Based on Mirroring and Somatic Marking. <i>Lecture Notes in Computer Science</i> , 2010, , 29-41. | 1.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | An ambient agent model for group emotion support. , 2009, , . | | 10 |
| 38 | An Agent Model for Personal Development Support. , 2009, , . | | 1 |
| 39 | A Multi-agent Model for Emotion Contagion Spirals Integrated within a Supporting Ambient Agent Model. Lecture Notes in Computer Science, 2009, , 48-67. | 1.0 | 45 |
| 40 | A Multi-Agent Model For Mutual Absorption Of Emotions. , 2009, , . | | 45 |