Recent Publications – Research Institutes and Centres

BY MEMBERS OF THE STAFF AND BY RESEARCH STUDENTS WORKING UNDER THEIR SUPERVISION

The publications information has been derived from the College’s Research Support System. Every effort has been made to ensure that the information is accurate and complete. Please notify the Research Support Systems Administrator (email: rssadmin@tcd.ie) of any errors or omissions which will be corrected in next year’s Calendar.

ADAPT Centre For Digital Content Technology


'Using a hybrid agent-based and equation based model to test school closure policies during a measles outbreak', BMC Public Health, 21, 1 (2021), http://hdl.handle.net/2262/98328 [E. Hunter, J.D. Kelleher]

'Adapting an agent-based model of infectious disease spread in an Irish county to covid-19', Systems, 9, 2 (2021), http://hdl.handle.net/2262/98329 [E. Hunter, J.D. Kelleher]


'Style as sentiment versus style as formality: the same or different?', Lecture notes in computer science (including subseries lecture notes in artificial intelligence and lecture notes in bioinformatics), 12895 LNCS (2021), 487-499 [S. Jafaritazehjani, D. Lolive, J.D. Kelleher]


Recent publications – Research Institutes and Centres


**Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)**

**Bekarevich, Raman**, 'Concerted influence of microstructure and adsorbed water on lithium-ion conduction of Li1.9Al0.3Ti1.7(PO4)3', *Journal of Power Sources*, 511 (2021), 230422 [H. Yamada, N. Morimoto, H. Mukohara (...), R. Bekarevich, K. Mitsuishi]


'Oxygen evolution catalysts under proton exchange membrane conditions in a conventional three electrode cell vs. electrolyser device: a comparison study and a 3D-printed electrolyser for academic labs', *Journal of Materials Chemistry A*, 9, 14 (2021), 9113-9123 [M.P. Browne, J. Dodwell, F. Novotny, V. Nicolosi, D.J.L. Brett, M. Pumera]


Recent publications – Research Institutes and Centres


'Functional elastomeric copolymer membranes designed by nanoarchitectonics approach for methylene blue removal', Journal of Inorganic and Organometallic Polymers and Materials (2021), 1-12 [F. Sciortino, N.M. Sanchez-Ballester, S.H. Mir, G. Rydzek]


Wang, Jing, 'Microplastics in soils: an environmental geotechnics perspective', Environmental Geotechnics, 8, 8 (2021), 586-618 [B.C. O'Kelly, A. El-Zein, X. Liu, S.D.N. Patel]

CONNECT


'Real-time control plane operations for gOSNR QoT estimation through OSNR monitoring', Optical Fibre Communications (OFC) (2021), 1-3 [A. Diaz-Montiel, A. Bhardwaj, B. Lantz, J. Yu, A.N. Quraishy, D. Kilper, M. Ruffini]


Recent publications – Research Institutes and Centres


**Trinity College Institute of Neuroscience (TCIN)**


'Social factors may mediate the relationship between subjective age-related hearing loss and episodic memory.', *Aging and Mental Health* (2020), 1-8 [D.G. Loughrey, J. Feeney, F. Kee, B.A. Lawlor, J.V. Woodside, A. Setti, J.M. Power]


'Gray matter volume in the right angular gyrus is associated with differential patterns of multisensory integration with aging', *Neurobiology of Aging*, 100 (2021), 83-90 [R.J. Hirst, R. Whelan, R. Boyle (…), A. Setti et al.]

'What you see is what you hear: twenty years of research using the sound-induced flash illusion', *Neuroscience and Biobehavioral Reviews*, 118 (2020), 759-774 [R.J. Hirst, D.P. McGovern, A. Setti, L. Shams, F.N. Newell]

'Virtual reality nature exposure and test anxiety', *Multimodal Technologies and Interaction*, 4, 4 (2020), 1-14 [A. O'Meara, M. Cassarino, A. Bolger, A. Setti]
Recent publications – Research Institutes and Centres


'Neighbourhood environment and cognitive vulnerability - a survey investigation of variations across the lifespan and urbanity levels', *Sustainability (Switzerland)*, 12, 19 (2020), 1-15 [M. Cassarino, E. Bantry-White, A. Setti]


**Trinity Long Room Hub**

**Doran, Michelle**, 'Evaluating a taxonomy of textual uncertainty for collaborative visualisation in the digital humanities', *Information*, 12, 11 (2021), 20 [A. Benito-Santos, M. Doran, A. Dorn (...), R. Therón, E. Wandl-Vogt]


'Reflections on digital editions: from humanities computing to digital humanities, the influence of web 2.0 and the impact of the editorial process', *Variants*, 15-16 (2021), 213-230 [M. Doran]


'Embodied interaction and immersive film experiences on smartphones', *Mobile storytelling in an age of smartphones*, eds M. Schleser, X. Xu, Cham, Palgrave Macmillan (2021), 205-219 [K. Szita]


**Trinity Translational Medicine Institute (TTMI)**

**Heeran, Aisling**, 'The protein secretome is altered in rectal cancer tissue compared to normal rectal tissue, and alterations in the secretome induce enhanced innate immune responses', *Cancers*, 13, 3 (2021), 571 [A.B. Heeran, M.R. Dunne, M.E. Morrissey (...), N. Lynam-Lennon, J. O'Sullivan]


'The prognostic value of the lymph node in oesophageal adenocarcinoma; incorporating clinicopathological and immunological profiling', *Cancers* (2021), http://dx.doi.org/10.3390/cancers13164005 [N.E. Donlon, M. Davern, A. Sheppard (...), A.B. Heeran et al.]

'High cysteinyl leukotriene receptor 1 expression correlates with poor survival of uveal melanoma patients and cognate antagonist drugs modulate the growth, cancer secretome, and metabolism of uveal melanoma cells', *Cancers*, 12, 10 (2020), http://dx.doi.org/10.3390/cancers12102950 [K. Slater, A.B. Heeran, S. Garcia-Mulero (...), J. O'Sullivan, B.N. Kennedy]

Recent publications – Research Institutes and Centres


**Library**

*Davis, Edie*, 'Preserving data journalism: a systematic literature review', *Journalism Practice* (2021), 1-23 [B. Heravi, K. Cassidy, E. Davis, N. Harrower]

'Linked data and cultural heritage', *Journal on Computing and Cultural Heritage*, 14, 2 (2021), 1-18 [E. Davis, B. Heravi]


'The use of mHealth apps by nurses in the management of chronic wounds: a scoping review protocol', *JBI Evidence Synthesis*, 19, 10 (2021), 2783-2789 [G. Vaughan, G. Prizeman, J. Eustace-Cook, G. Byrne]

'Initiating technology dependence to sustain a child's life: a systematic review of reasons', *Journal of Medical Ethics* (2021), http://hdl.handle.net/2262/97423 [D. Alexander, M.B. Quirke, J. Berry (…), M. Healy, M. Brenner]


Recent publications – Research Institutes and Centres


'Metastatic gastroesophageal cancer in older patients - is this patient cohort represented in clinical trials?', *BMC Cancer* (2021), http://dx.doi.org/10.21203/rs.3.rs-684646/v1 [M.A. Hennessy, M. Hamid, N. Keegan (…), D. Mockler, A. O’Donovan]


'Neonatal sepsis definitions from randomised clinical trials', *Pediatric Research* (2021), http://dx.doi.org/10.1038/s41390-021-01749-3 [R. Hayes, J. Hartnett, G. Semova, D. Mockler]


'A review of experiential school-based culinary interventions for 5-12-year-old children', *Children*, 8, 12 (2021), 1-12 [A.E. Bennett, D. Mockler, C. Cunningham, C. Glennon-Slattery, C. Johnston Molloy]


'Early intervention in psychosis services: a systematic review and narrative synthesis of the barriers and facilitators to implementation', *European Psychiatry* (2021), 1-44 [N. O’Connell, K. O’Connor, D. McGrath (…), D. Mockler et al.]
Recent publications – Research Institutes and Centres


*Sheaf, Greg*, 'Mental health service users experiences of medication discontinuation: a systematic review of qualitative studies', *Journal of Mental Health* (2021), http://hdl.handle.net/2262/96766 [B. Keogh, E. Murphy, L. Doyle, G. Sheaf, M. Watts, A. Higgins]

**Administrative, executive and other officers**


'Orthostatic intolerance in adults reporting long covid symptoms was not associated with postural orthostatic tachycardia syndrome', *Frontiers in Physiology - Autonomic Neuroscience* (2022), http://hdl.handle.net/2262/98203 [A. Monaghan, G. Jennings, F. Xue, L. Byrne, E. Duggan, R. Romero-Ortuno]


Recent publications – Research Institutes and Centres

'Is there a bidirectional association between sedentary behaviour and cognitive decline in older adults? Findings from the Irish longitudinal study on ageing', Preventive Medicine Reports, 23 (2021), 101423 [C.M. Maasakkers, J.A.H.R. Claassen, S. Scarlett (...), J. Feeney, R.J.F. Melis]