

Seán Cournane

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6312780/publications.pdf>

Version: 2024-02-01

82
papers

445
citations

840776
11
h-index

888059
17
g-index

82
all docs

82
docs citations

82
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiology imaging delays as independent predictors of length of hospital stay for emergency medical admissions. <i>Clinical Radiology</i> , 2016, 71, 912-918.	1.1	30
2	Review of ultrasound elastography quality control and training test phantoms. <i>Ultrasound</i> , 2012, 20, 16-23.	0.7	29
3	The effects of fatty deposits on the accuracy of the Fibroscan® liver transient elastography ultrasound system. <i>Physics in Medicine and Biology</i> , 2012, 57, 3901-3914.	3.0	25
4	Social deprivation and hospital admission rates, length of stay and readmissions in emergency medical admissions. <i>European Journal of Internal Medicine</i> , 2015, 26, 766-771.	2.2	24
5	Multimodal Breast Phantoms for Microwave, Ultrasound, Mammography, Magnetic Resonance and Computed Tomography Imaging. <i>Sensors</i> , 2020, 20, 2400.	3.8	23
6	Does admission via an Acute Medical Unit influence hospital mortality? 12 years' experience in a large Dublin Hospital. <i>Acute Medicine</i> , 2014, 13, 152-158.	0.3	21
7	Factors associated with length of stay following an emergency medical admission. <i>European Journal of Internal Medicine</i> , 2015, 26, 237-242.	2.2	17
8	Deprivation influences the emergency admission rate of ambulatory care sensitive conditions. <i>Clinical Medicine</i> , 2016, 16, 119-123.	1.9	17
9	Deprivation index and dependency ratio are key determinants of emergency medical admission rates. <i>European Journal of Internal Medicine</i> , 2015, 26, 709-713.	2.2	15
10	Fifteen-year outcomes of an acute medical admission unit. <i>Irish Journal of Medical Science</i> , 2018, 187, 1097-1105.	1.5	15
11	Modelling the reworking effects of bioturbation on the incorporation of radionuclides into the sediment column: implications for the fate of particle-reactive radionuclides in Irish Sea sediments. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 985-991.	1.7	12
12	Hyponatraemia during an emergency medical admission as a marker of illness severity & case complexity. <i>European Journal of Internal Medicine</i> , 2019, 59, 60-64.	2.2	12
13	A Business Analytics Software Tool for Monitoring and Predicting Radiology Throughput Performance. <i>Journal of Digital Imaging</i> , 2016, 29, 645-653.	2.9	11
14	Influence of social deprivation, overcrowding and family structure on emergency medical admission rates. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2016, 109, 675-680.	0.5	10
15	Relative response of dosimeters to variations in scattered X-ray energy spectra encountered in interventional radiology. <i>Physica Medica</i> , 2019, 67, 141-147.	0.7	10
16	Polyvinyl alcohol cryogel based vessel mimicking material for modelling the progression of atherosclerosis. <i>Physica Medica</i> , 2020, 69, 1-8.	0.7	10
17	MRI in Acutely Ill Medical Patients in an Irish Hospital: Influence on Outcomes and Length of Hospital Stay. <i>Journal of the American College of Radiology</i> , 2014, 11, 698-702.	1.8	9
18	An audit of a hospital-based Doppler ultrasound quality control protocol using a commercial string Doppler phantom. <i>Physica Medica</i> , 2014, 30, 380-384.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Social deprivation, population dependency ratio and an extended hospital episode “ Insights from acute medicine. European Journal of Internal Medicine, 2015, 26, 714-719.	2.2	9
20	Time patterns in mortality after an emergency medical admission; relationship to weekday or weekend admission. European Journal of Internal Medicine, 2016, 36, 44-49.	2.2	9
21	Predicting Outcomes in Emergency Medical Admissions Using a Laboratory Only Nomogram. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-8.	1.3	9
22	Investigation of the assessment of low degree (<50%) renal artery stenosis based on velocity flow profile analysis using Doppler ultrasound: An in-vitro study. Physica Medica, 2019, 65, 209-218.	0.7	9
23	Chronic disabling disease–impact on outcomes and costs in emergency medical admissions. QJM - Monthly Journal of the Association of Physicians, 2015, 108, 387-396.	0.5	8
24	Social deprivation and the rate of emergency medical admission for older persons. QJM - Monthly Journal of the Association of Physicians, 2016, 109, 645-651.	0.5	7
25	Factors predicting the hospital episode costs of emergency medical admissions. European Journal of Internal Medicine, 2014, 25, 633-638.	2.2	6
26	Survival analysis of weekend emergency medical admissions. QJM - Monthly Journal of the Association of Physicians, 2017, 110, hcw219.	0.5	6
27	The novel application of Benford's second order analysis for monitoring radiation output in interventional radiology. Physica Medica, 2014, 30, 413-418.	0.7	5
28	Effect of social deprivation on the admission rate and outcomes of adult respiratory emergency admissions. Respiratory Medicine, 2017, 125, 94-101.	2.9	5
29	Yttrium-90 selective internal radiation therapy, examining dose rates and radiation protection precautions. Physica Medica, 2019, 65, 121-127.	0.7	5
30	Gender differences in estimating I-131 thyroid uptake from Tc-99m thyroid uptake for benign thyroid disease. British Journal of Radiology, 2021, 94, 20200700.	2.2	5
31	Is there excessive troponin testing in clinical practice? Evidence from emergency medical admissions. European Journal of Internal Medicine, 2021, 86, 48-53.	2.2	5
32	Semi-automated Tracing of Hamstring Muscle Architecture for B-mode Ultrasound Images. International Journal of Sports Medicine, 2022, 43, 23-28.	1.7	5
33	Deprivation status and the hospital costs of an emergency medical admission. European Journal of Internal Medicine, 2017, 46, 30-34.	2.2	4
34	High Risk Subgroups Sensitive to Air Pollution Levels Following an Emergency Medical Admission. Toxics, 2017, 5, 27.	3.7	4
35	Persons with disability, social deprivation and an emergency medical admission. Irish Journal of Medical Science, 2018, 187, 593-600.	1.5	4
36	Establishing how patient size and degree of miscentring affect CTDI _{vol} , using patient data from a dose tracking system. British Journal of Radiology, 2019, 92, 20180992.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Pattern of Investigation Reflects Risk Profile in Emergency Medical Admissions. Journal of Clinical Medicine, 2015, 4, 1113-1125.	2.4	3
38	Consultant duration of clinical practice as a cost determinant of an emergency medical admission. European Journal of Health Economics, 2015, 16, 561-567.	2.8	3
39	Age and the economics of an emergency medical admission—what factors determine costs?. QJM - Monthly Journal of the Association of Physicians, 2016, 110, hcw161.	0.5	3
40	Quantitative Ultrasound of the Mandible as a Novel Screening Approach for Osteoporosis. Journal of Clinical Densitometry, 2018, 21, 110-118.	1.2	3
41	Assessment of occupational exposure from shielded and unshielded syringes for clinically relevant positron emission tomography (PET) isotopes—a Monte Carlo approach using EGSnrc. Journal of Radiological Protection, 2021, 41, 1060-1074.	1.1	3
42	The Relationship Between Social Deprivation and a Weekend Emergency Medical Admission. Acute Medicine, 2016, 15, 124-129.	0.3	3
43	Modelling the biological half-life and seasonality of ¹⁴ C in Fucus vesiculosus from the east coast of Ireland: Implications for the estimation of future trends. Marine Pollution Bulletin, 2011, 62, 696-700.	5.0	2
44	Modelling temporal trends of ¹³⁷ Cs and ⁹⁹ Tc concentrations in Fucus vesiculosus from the eastern Irish coastline. Marine Pollution Bulletin, 2011, 62, 2337-2344.	5.0	2
45	Air Quality and Hospital Outcomes in Emergency Medical Admissions with Respiratory Disease. Toxics, 2016, 4, 15.	3.7	2
46	The dynamics of the emergency medical readmission — The underlying fundamentals. European Journal of Internal Medicine, 2017, 45, 78-83.	2.2	2
47	Social Factors Determine the Emergency Medical Admission Workload. Journal of Clinical Medicine, 2017, 6, 59.	2.4	2
48	Diagnostic accuracy of SUVmax in predicting malignancy of supraclavicular lymph nodes from primary oesophageal cancer. European Journal of Radiology, 2020, 125, 108860.	2.6	2
49	Relationship of the clinical acuity & complexity to the outcome of an emergency medical admission. Acute Medicine, 2018, 17, 18-25.	0.3	2
50	Broadband access, housing and car ownership as deprivation predictors of the emergency medical admission. European Journal of Internal Medicine, 2016, 35, e25-e26.	2.2	1
51	Investigation of Intrinsic Spectral Broadening on the Aixplorer ultrafast ultrasound system. Physica Medica, 2019, 67, 210.	0.7	1
52	Lung function and outcomes in emergency medical admissions. European Journal of Internal Medicine, 2019, 59, 34-38.	2.2	1
53	Socio-economic status and the clinical acuity of emergency medical admissions. Panminerva Medica, 2018, 60, 235-237.	0.8	1
54	Development of a scatter correction technique for planar ^{99m} Tc-MAA imaging to improve accuracy in lung shunt fraction estimation. Physica Medica, 2022, 99, 94-101.	0.7	1

#	ARTICLE	IF	CITATIONS
55	Error in isotope GFR measurements. Physica Medica, 2014, 30, 722.	0.7	0
56	National DRLs for adult body CT scans based on body width. Physica Medica, 2014, 30, 718.	0.7	0
57	019AGE AND THE ECONOMICS OF AN EMERGENCY MEDICAL ADMISSION - WHAT FACTORS DETERMINE COST?. Age and Ageing, 2016, 45, ii13-ii56.	1.6	0
58	Comparison of noise power spectra of clinical images and test phantoms in mammography. Physica Medica, 2016, 32, 427.	0.7	0
59	Repeatability and reproducibility of MTF, NPS and DQE in Full Field Mammography for baseline setting. Physica Medica, 2017, 42, 360-361.	0.7	0
60	Quantitative ultrasound of the mandible as a novel screening tool for osteoporosis. Physica Medica, 2017, 42, 361.	0.7	0
61	Evaluation of software programs, ImageJ and IQworks, for MTF, NPS and DQE analysis. Physica Medica, 2017, 42, 361.	0.7	0
62	235A Novel Screening Approach for Osteoporosis in Dental Practice using Quantitative Ultrasound of the Mandible. Age and Ageing, 2018, 47, v13-v60.	1.6	0
63	Rising Emergency Admission and Readmission Ratesâ€™a Retrospective Study of Demographic and Socio-economic Factors. Journal of General Internal Medicine, 2018, 33, 1623-1625.	2.6	0
64	Use of real-time electronic Silicon diode extremity dose detectors; towards optimising monitoring and radiopharmacy technique. Physica Medica, 2018, 52, 166-167.	0.7	0
65	Modelling CTDIvol through analysis of the localiser image: Towards estimating factors influencing Automatic Exposure Control tube output. Physica Medica, 2018, 52, 172.	0.7	0
66	Relative response of eye dosimeters to variations in scattered X-ray energy spectra encountered in interventional radiology. Physica Medica, 2019, 67, 198-199.	0.7	0
67	Objective evaluation of imaging performance using a commercially available spherical lesion anechoic phantom. Physica Medica, 2019, 67, 208.	0.7	0
68	A comparison of three techniques for flow-based diagnosis of atherosclerosis. Physica Medica, 2019, 67, 210.	0.7	0
69	Yttrium-90 selective internal radiation therapy: Are patient radiation protection contact restrictions necessary?. Physica Medica, 2019, 67, 201.	0.7	0
70	Estimating I-131 Thyroid Uptake from Tc-99m scintigraphy: Implication for calculated I-131 Therapy Activities in Benign Thyroid Disease. Physica Medica, 2019, 67, 208.	0.7	0
71	A review of Slope Intercept GFR patient data to validate and optimize the introduction of Single Sample GFR technique. Physica Medica, 2019, 67, 199.	0.7	0
72	Mechanical characterisation of polyvinyl-alcohol cyrogel for non-standard sample geometries. Physica Medica, 2019, 67, 210.	0.7	0

#	ARTICLE	IF	CITATIONS
73	Admission and readmission rate incidences from deprived areasâ€™ impact of a classical or multi-dimensional model. Irish Journal of Medical Science, 2019, 188, 303-310.	1.5	0
74	The 10th Annual scientific Meeting of the Irish Association of physicists in medicine (IAPM ASM 2019). Physica Medica, 2020, 75, 55-57.	0.7	0
75	OUP accepted manuscript. Radiation Protection Dosimetry, 2021, 196, 199-206.	0.8	0
76	Detection of cardiovascular disease through the use of a Multifrequency Doppler ultrasound spectral analysis (MFUDSA) algorithm. Physica Medica, 2021, 84, 301.	0.7	0
77	Optimising Dosimetric Techniques using Planar 99mTc- MAA Imaging for Selective Internal Radiotherapy. Physica Medica, 2021, 84, 288.	0.7	0
78	Assessment of operator exposure from shielded and unshielded sources of 18F and 68Ga â€™ Monte Carlo simulations and empirical measurements. Physica Medica, 2021, 84, 297-298.	0.7	0
79	Design and validation of a Monte Carlo Simulation model for estimation of Skin dose Hp(0.07), Deep dose Hp(10) and Eye dose Hp(3) in Nuclear Medicine and PET/CT. Physica Medica, 2021, 84, 297.	0.7	0
80	Air pollution and age: Do older persons suffer more?. Environmental Disease, 2020, 5, 44.	0.1	0
81	Troponin status predicts 30-day in-hospital mortality. Vessel Plus, 0, 2020, .	0.4	0
82	The Relationship between Resource Utilization, Clinical Risk and Hospital Costs for Emergency Medical Admissions. Acute Medicine, 2016, 15, 7-12.	0.3	0