

# Colin Fitzpatrick

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4091777/colin-fitzpatrick-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65

papers

1,229

citations

20

h-index

33

g-index

83

ext. papers

1,481

ext. citations

6.2

avg, IF

4.92

L-index

#	Paper	IF	Citations
65	Techno-financial investigation of second-life of Electric Vehicle batteries for energy imbalance services in the Irish electricity market. <i>Procedia CIRP</i> , <b>2022</b> , 105, 164-170	1.8	0
64	Education for UN Sustainable Development Goal 12: A Cross-Curricular Program for Secondary Level Students. <i>Frontiers in Sustainability</i> , <b>2021</b> , 2,	2.1	2
63	Quantifying used electrical and electronic equipment exported from ireland to west africa in roll-on roll-off vehicles. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 164, 105177	11.9	4
62	Estimating job creation potential of compliant WEEE pre-treatment in Ireland. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 166, 105230	11.9	5
61	Quantifying WEEE arising in scrap metal collections: Method development and application in Ireland. <i>Journal of Industrial Ecology</i> , <b>2021</b> , 25, 1021-1033	7.2	2
60	Is reparability enough? big data insights into smartphone obsolescence and consumer interest in repair. <i>Journal of Cleaner Production</i> , <b>2021</b> , 313, 127561	10.3	3
59	End-of-Life Electric Vehicle Battery Stock Estimation in Ireland through Integrated Energy and Circular Economy Modelling. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 174, 105753	11.9	5
58	Understanding the Impacts of Transboundary Waste Shipment Policies: The Case of Plastic and Electronic Waste. <i>Sustainability</i> , <b>2020</b> , 12, 2412	3.6	7
57	A Preparation for Reuse Trial of Washing Machines in Ireland. <i>Sustainability</i> , <b>2020</b> , 12, 1175	3.6	6
56	Behavioral change for the circular economy: A review with focus on electronic waste management in the EU. <i>Resources Conservation &amp; Recycling X</i> , <b>2020</b> , 6, 100035	3.9	25
55	Trialling the preparation for reuse of consumer ICT WEEE in Ireland. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120512	10.3	8
54	Enabling preparation for re-use of waste electrical and electronic equipment in Ireland: Lessons from other EU member states. <i>Journal of Cleaner Production</i> , <b>2019</b> , 232, 1005-1017	10.3	11
53	Treasured trash? A consumer perspective on small Waste Electrical and Electronic Equipment (WEEE) divestment in Ireland. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 145, 179-189	11.9	19
52	Modelling the levels of historic waste electrical and electronic equipment in Ireland. <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 131, 1-16	11.9	22
51	Repurposing end of life notebook computers from consumer WEEE as thin client computers I A hybrid end of life strategy for the Circular Economy in electronics. <i>Journal of Cleaner Production</i> , <b>2018</b> , 192, 809-820	10.3	30
50	Barriers to electronics reuse of transboundary e-waste shipment regulations: An evaluation based on industry experiences. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 102, 170-177	11.9	33
49	Conflict minerals in the compute sector: estimating extent of tin, tantalum, tungsten, and gold use in ICT products. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 974-81	10.3	27

48	Sustainable life cycle engineering of an integrated desktop PC; a small to medium enterprise perspective. <i>Journal of Cleaner Production</i> , <b>2014</b> , 74, 155-160	10.3	15
47	A case study of the D4R laptop. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , <b>2014</b> , 167, 101-108	0.5	5
46	Demand side management of industrial electricity consumption: Promoting the use of renewable energy through real-time pricing. <i>Applied Energy</i> , <b>2014</b> , 113, 11-21	10.7	147
45	Evaluating the sustainability potential of a white goods refurbishment program. <i>Sustainability Science</i> , <b>2013</b> , 8, 529-541	6.4	34
44	Feasibility of Using Radio Frequency Identification to Facilitate Individual Producer Responsibility for Waste Electrical and Electronic Equipment. <i>Journal of Industrial Ecology</i> , <b>2013</b> , 17, 213-223	7.2	19
43	Success factors and barriers in re-use of electrical and electronic equipment. <i>Resources, Conservation and Recycling</i> , <b>2013</b> , 80, 21-31	11.9	71
42	Demand side management of a domestic dishwasher: Wind energy gains, financial savings and peak-time load reduction. <i>Applied Energy</i> , <b>2013</b> , 101, 678-685	10.7	84
41	Demand side management of electric car charging: Benefits for consumer and grid. <i>Energy</i> , <b>2012</b> , 42, 358-363	7.9	91
40	Definition of generic re-use operating models for electrical and electronic equipment. <i>Resources, Conservation and Recycling</i> , <b>2012</b> , 65, 85-99	11.9	48
39	WEEE reuse trials in Ireland <b>2011</b> ,		2
38	Facilitation of renewable electricity using price based appliance control in Ireland's electricity market. <i>Energy</i> , <b>2011</b> , 36, 2952-2960	7.9	66
37	Investigating reuse of B2C WEEE in Ireland <b>2010</b> ,		2
36	Simulation and measurement of carbon dioxide exhaust emissions using an optical-fibre-based mid-infrared point sensor. <i>Journal of Optics</i> , <b>2009</b> , 11, 054013		4
35	Use phase signals to promote lifetime extension for Windows PCs. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 2544-9	10.3	4
34	Monitoring of Environmentally Hazardous Exhaust Emissions from Cars Using Optical Fibre Sensors. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 238-247	0.9	0
33	Combating adverse selection in secondary PC markets. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3047-52	10.3	14
32	Increased efficiency of wind generated electricity using demand side management <b>2008</b> ,		1
31	Hazardous gas detection using an integrating sphere as a multipass gas absorption cell. <i>Sensors and Actuators A: Physical</i> , <b>2008</b> , 141, 414-421	3.9	28

30	Deep UV based DOAS system for the monitoring of nitric oxide using ratiometric separation techniques. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 134, 317-323	8.5	14
29	A mid-infrared optical fibre sensor for the detection of carbon monoxide exhaust emissions. <i>Sensors and Actuators A: Physical</i> , <b>2008</b> , 144, 13-17	3.9	15
28	Real-time fibre optic radiation dosimeters for nuclear environment monitoring around thermonuclear reactors. <i>Fusion Engineering and Design</i> , <b>2008</b> , 83, 50-59	1.7	40
27	Monitoring of carbon dioxide exhaust emissions using mid-infrared spectroscopy. <i>Journal of Optics</i> , <b>2007</b> , 9, S87-S91		10
26	Detection of carbon dioxide emissions from a diesel engine using a mid-infrared optical fibre based sensor. <i>Sensors and Actuators A: Physical</i> , <b>2007</b> , 136, 104-110	3.9	43
25	Principal component analysis and artificial neural network based approach to analysing optical fibre sensors signals. <i>Sensors and Actuators A: Physical</i> , <b>2007</b> , 136, 28-38	3.9	31
24	An optical fibre based ultra violet and visible absorption spectroscopy system for ozone concentration monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 125, 372-378	8.5	28
23	Development of a Fibre-Optic DOAS Sensor for the Detection of Exhaust Gases Using Ratiometric Separation Techniques <b>2007</b> ,		2
22	Low Concentration Monitoring of Exhaust Gases Using a UV-Based Optical Sensor. <i>IEEE Sensors Journal</i> , <b>2007</b> , 7, 685-691	4	14
21	CO <sub>2</sub> monitoring and detection using an integrating sphere as a multipass absorption cell. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 3187-3194	2	25
20	Real-time gamma dosimetry using PMMA optical fibres for applications in the sterilization industry. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 3171-3176	2	48
19	On-board monitoring of vehicle exhaust emissions using an ultraviolet optical fibre based sensor. <i>Journal of Optics</i> , <b>2007</b> , 9, S24-S31		21
18	Tackling Adverse Selection in Secondary PC Markets <b>2007</b> , 347-352		2
17	Vibration-insensitive temperature sensing system based on fluorescence decay and using a digital processing approach. <i>Measurement Science and Technology</i> , <b>2006</b> , 17, 2010-2014	2	3
16	On-board monitoring of hazardous exhaust emissions in passenger cars (category M1) <b>2006</b> , 6379, 162		1
15	Gas detection using an integrating sphere as a multipass absorption cell <b>2006</b> ,		4
14	UV-based pollutant quantification in automotive exhausts <b>2006</b> , 6198, 52		3
13	Gamma dosimetry using commercial PMMA optical fibres for nuclear environments <b>2005</b> , 5855, 499		5

12	Hazardous gas detection with an integrating sphere in the near-infrared. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 15, 250-255	0.3	9
11	Online monitoring of exhaust emissions using mid-infrared spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 15, 33-38	0.3	2
10	Low pressure gas discharges for electric field intensity monitoring in microwave resonant cavities <b>2005</b> , 5826, 460		
9	Ozone measurement in visible region: an optical fibre sensor system. <i>Electronics Letters</i> , <b>2005</b> , 41, 1317	1.1	3
8	Development of an extrinsic optical fibre temperature sensor for monitoring liquid temperature in harsh industrial environments. <i>Journal of Optics</i> , <b>2005</b> , 7, S331-S339		5
7	A large core polymer optical fibre sensor for x-ray dosimetry based on luminescence occurring in the cladding. <i>Measurement Science and Technology</i> , <b>2004</b> , 15, 1586-1590	2	10
6	A novel multipoint luminescent coated ultra violet fibre sensor utilising artificial neural network pattern recognition techniques. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 115, 267-272	3.9	18
5	An optical fiber sensor for the detection of germicidal UV irradiation using narrowband luminescent coatings. <i>IEEE Sensors Journal</i> , <b>2004</b> , 4, 619-626	4	6
4	A narrow-band photoluminescent optical fibre sensor for the detection of high-intensity germicidal ultraviolet radiation (254 nm) from a microwave plasma ultraviolet lamp. <i>Journal of Optics</i> , <b>2003</b> , 5, S63-S68		2
3	A novel multi-point ultraviolet optical fibre sensor based on cladding luminescence. <i>Measurement Science and Technology</i> , <b>2003</b> , 14, 1477-1483	2	18
2	A Coating Process For Multi-Point Luminescent Clad Fibre Optic Sensors. <i>Optical Review</i> , <b>2003</b> , 10, 330-334		3
1	Optical fiber sensor for germicidal microwave plasma UV lamps for water and wastewater treatment <b>2001</b> , 4416, 90		