

Aoife J Lowery

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

5,022
citations

257357

24
h-index

91828

69
g-index

105
all docs

105
docs citations

105
times ranked

8698
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study. <i>Lancet, The</i> , 2020, 396, 27-38.	6.3	1,314
2	Circulating microRNAs as Novel Minimally Invasive Biomarkers for Breast Cancer. <i>Annals of Surgery</i> , 2010, 251, 499-505.	2.1	600
3	Monocyte Chemotactic Protein-1 Secreted by Primary Breast Tumors Stimulates Migration of Mesenchymal Stem Cells. <i>Clinical Cancer Research</i> , 2007, 13, 5020-5027.	3.2	399
4	MicroRNA signatures predict oestrogen receptor, progesterone receptor and HER2/neureceptor status in breast cancer. <i>Breast Cancer Research</i> , 2009, 11, R27.	2.2	375
5	Locoregional recurrence after breast cancer surgery: a systematic review by receptor phenotype. <i>Breast Cancer Research and Treatment</i> , 2012, 133, 831-841.	1.1	333
6	Identification of suitable endogenous control genes for microRNA gene expression analysis in human breast cancer. <i>BMC Molecular Biology</i> , 2008, 9, 76.	3.0	229
7	Haemoglobin A1c (HbA1C) in Non-diabetic and Diabetic Vascular Patients. Is HbA1C an Independent Risk Factor and Predictor of Adverse Outcome?. <i>European Journal of Vascular and Endovascular Surgery</i> , 2006, 32, 188-197.	0.8	172
8	MicroRNAs as Prognostic Indicators and Therapeutic Targets: Potential Effect on Breast Cancer Management. <i>Clinical Cancer Research</i> , 2008, 14, 360-365.	3.2	150
9	Dysregulated miR-183 inhibits migration in breast cancer cells. <i>BMC Cancer</i> , 2010, 10, 502.	1.1	121
10	Thyroid Lymphoma: Recent Advances in Diagnosis and Optimal Management Strategies. <i>Oncologist</i> , 2013, 18, 994-1003.	1.9	113
11	Ki-67 as a Prognostic Biomarker in Invasive Breast Cancer. <i>Cancers</i> , 2021, 13, 4455.	1.7	73
12	Persistent and recurrent hyperparathyroidism. <i>Updates in Surgery</i> , 2017, 69, 161-169.	0.9	50
13	¹¹ C-Metomidate PET/CT is a useful adjunct for lateralization of primary aldosteronism in routine clinical practice. <i>Clinical Endocrinology</i> , 2019, 90, 670-679.	1.2	49
14	Molecular and Therapeutic Advances in the Diagnosis and Management of Malignant Pheochromocytomas and Paragangliomas. <i>Oncologist</i> , 2013, 18, 391-407.	1.9	41
15	Locoregional Recurrence Following Breast Cancer Surgery in the Trastuzumab Era: A Systematic Review by Subtype. <i>Annals of Surgical Oncology</i> , 2017, 24, 3124-3132.	0.7	41
16	Preoperative imaging for focused parathyroidectomy: making a good strategy even better. <i>European Journal of Endocrinology</i> , 2015, 172, 519-526.	1.9	40
17	A Prospective Feasibility Study of Duplex Ultrasound Arterial Mapping, Digital-Subtraction Angiography, and Magnetic Resonance Angiography in Management of Critical Lower Limb Ischemia by Endovascular Revascularization. <i>Annals of Vascular Surgery</i> , 2007, 21, 443-451.	0.4	39
18	Adipose-Derived Stem Cells in Novel Approaches to Breast Reconstruction: Their Suitability for Tissue Engineering and Oncological Safety. <i>Breast Cancer: Basic and Clinical Research</i> , 2017, 11, 117822341772677.	0.6	38

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19	Microwave Imaging in Breast Cancer – Results from the First-In-Human Clinical Investigation of the Wavelia System. <i>Academic Radiology</i> , 2022, 29, S211-S222.	1.3	38
20	Prospective Assessment of Systemic MicroRNAs as Markers of Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Cancers</i> , 2020, 12, 1820.	1.7	31
21	MicroRNA Expression Profiles and Breast Cancer Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10812.	1.8	30
22	The Role of MicroRNA as Clinical Biomarkers for Breast Cancer Surgery and Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8290.	1.8	29
23	Recreating complex pathophysiologies in vitro with extracellular matrix surrogates for anticancer therapeutics screening. <i>Drug Discovery Today</i> , 2016, 21, 1521-1531.	3.2	28
24	Posterior retroperitoneoscopic adrenal surgery for clinical and subclinical Cushing’s syndrome in patients with bilateral adrenal disease. <i>Langenbeck’s Archives of Surgery</i> , 2017, 402, 775-785.	0.8	27
25	Hydrogels in adipose tissue engineering – Potential application in post-mastectomy breast regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 2234-2247.	1.3	27
26	Radiomic differentiation of breast cancer molecular subtypes using pre-operative breast imaging – A systematic review and meta-analysis. <i>European Journal of Radiology</i> , 2021, 144, 109996.	1.2	26
27	Use of Intraoperative Parathyroid Hormone in Minimally Invasive Parathyroidectomy for Primary Hyperparathyroidism. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2021, 147, 135.	1.2	25
28	Re-Appraisal of Estrogen Receptor Negative/Progesterone Receptor Positive (ER ⁻ /PR ⁺) Breast Cancer Phenotype: True Subtype or Technical Artefact?. <i>Pathology and Oncology Research</i> , 2018, 24, 881-884.	0.9	24
29	MicroRNAs in Molecular Classification and Pathogenesis of Breast Tumors. <i>Cancers</i> , 2021, 13, 5332.	1.7	24
30	Estrogen Induces Repression of the <i>Breast Cancer and Salivary Gland Expression</i> Gene in an Estrogen Receptor – Dependent Manner. <i>Cancer Research</i> , 2008, 68, 106-114.	0.4	23
31	Recent Advances and Future Directions in Postmastectomy Breast Reconstruction. <i>Clinical Breast Cancer</i> , 2018, 18, e571-e585.	1.1	23
32	A Review of the Impact of Neoadjuvant Chemotherapy on Breast Surgery Practice and Outcomes. <i>Clinical Breast Cancer</i> , 2019, 19, 377-382.	1.1	22
33	Clinicopathological correlates, oncological impact, and validation of Oncotype DX [®] in a European Tertiary Referral Centre. <i>Breast Journal</i> , 2021, 27, 521-528.	0.4	22
34	Clinicopathological response to neoadjuvant therapies and pathological complete response as a biomarker of survival in human epidermal growth factor receptor-2 enriched breast cancer – A retrospective cohort study. <i>Breast</i> , 2021, 59, 67-75.	0.9	22
35	Pathological complete response as a surrogate to improved survival in human epidermal growth factor receptor-2-positive breast cancer: systematic review and meta-analysis. <i>BJS Open</i> , 2022, 6, .	0.7	21
36	Assessing awareness of colorectal cancer symptoms and screening in a peripheral colorectal surgical unit: a survey based study. <i>BMC Surgery</i> , 2013, 13, 20.	0.6	18

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37	Breast infections – Microbiology and treatment in an era of antibiotic resistance. Journal of the Royal College of Surgeons of Edinburgh, 2020, 18, 1-7.	0.8	16
38	Adrenocortical carcinoma surgery – surgical extent and approach. Langenbeck's Archives of Surgery, 2016, 401, 991-997.	0.8	15
39	Prospective comparison of outcome after treatment for triple-negative and non-triple-negative breast cancer. Journal of the Royal College of Surgeons of Edinburgh, 2017, 15, 272-277.	0.8	15
40	Intraoperative recurrent laryngeal nerve monitoring versus visualisation alone - A systematic review and meta-analysis of randomized controlled trials. American Journal of Surgery, 2022, 224, 836-841.	0.9	15
41	Neoadjuvant chemoradiation and breast reconstruction: the potential for improved outcomes in the treatment of breast cancer. Irish Journal of Medical Science, 2019, 188, 75-83.	0.8	14
42	Additive Manufacturing of Multi-scale Porous Soft Tissue Implants That Encourage Vascularization and Tissue Ingrowth. Advanced Healthcare Materials, 2021, 10, e2100229.	3.9	14
43	Contemporary review of large adrenal tumors in a tertiary referral center. Anticancer Research, 2014, 34, 2581-8.	0.5	14
44	Neoadjuvant chemotherapy for luminal a breast cancer: Factors predictive of histopathologic response and oncologic outcome. American Journal of Surgery, 2021, 222, 368-376.	0.9	13
45	Laryngeal cancer: Quantitative and qualitative assessment of research output, 1945 – 2010. Laryngoscope, 2012, 122, 1967-1973.	1.1	12
46	Radioiodine Remnant Ablation for Differentiated Thyroid Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 544.	1.2	12
47	Dielectric Characterization of <i>Ex Vivo</i> Ovine and Human Adrenal Glands for Microwave Thermal Ablation Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 254-261.	2.3	12
48	Breast cancer recurrence: factors impacting occurrence and survival. Irish Journal of Medical Science, 2022, 191, 2501-2510.	0.8	12
49	Optimal localization strategies for non-palpable breast cancers – A network meta-analysis of randomized controlled trials. Breast, 2022, 62, 103-113.	0.9	12
50	Graves' ophthalmopathy: The case for thyroid surgery. Journal of the Royal College of Surgeons of Edinburgh, 2009, 7, 290-296.	0.8	11
51	Postmastectomy radiotherapy: Indications and implications. Journal of the Royal College of Surgeons of Edinburgh, 2014, 12, 310-315.	0.8	11
52	MicroRNA Expression Profiling Predicts Nodal Status and Disease Recurrence in Patients Treated with Curative Intent for Colorectal Cancer. Cancers, 2022, 14, 2109.	1.7	11
53	The Wavelia Microwave Breast Imaging system – tumour discriminating features and their clinical usefulness. British Journal of Radiology, 2021, 94, 20210907.	1.0	10
54	OncotypeDX® Recurrence Score in BRCA mutation carriers: a systematic review and meta-analysis. European Journal of Cancer, 2021, 154, 209-216.	1.3	10

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55	The effect of menopause and hysterectomy on systemic vascular endothelial growth factor in women undergoing surgery for breast cancer. <i>BMC Cancer</i> , 2008, 8, 279.	1.1	9
56	Spectrum of all-terrain vehicle injuries in adults: A case series and review of the literature. <i>International Journal of Surgery Case Reports</i> , 2012, 3, 222-226.	0.2	9
57	Sentinel lymph node biopsy in patients with ductal carcinoma <i>in situ</i> : systematic review and meta-analysis. <i>BJS Open</i> , 2022, 6, .	0.7	9
58	Genetic and RNA-related molecular markers of trastuzumab-chemotherapy-associated cardiotoxicity in HER2 positive breast cancer: a systematic review. <i>BMC Cancer</i> , 2022, 22, 396.	1.1	9
59	Incarcerated femoral hernia containing ovary and fallopian tube in a 54-year-old. <i>BMJ Case Reports</i> , 2011, 2011, bcr0520114263-bcr0520114263.	0.2	8
60	Differential impact of hormone receptor status on survival and recurrence for HER2 receptor-positive breast cancers treated with Trastuzumab. <i>Breast Cancer Research and Treatment</i> , 2017, 164, 221-229.	1.1	8
61	The histopathological and molecular features of breast carcinoma with tumour budding—a systematic review and meta-analysis. <i>Breast Cancer Research and Treatment</i> , 2020, 183, 503-514.	1.1	8
62	The impact of the Biomolecular Era on breast cancer surgery. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2017, 15, 169-181.	0.8	7
63	The Impact of Preoperative Breast Magnetic Resonance Imaging on Surgical Management in Symptomatic Patients With Invasive Lobular Carcinoma. <i>Breast Cancer: Basic and Clinical Research</i> , 2020, 14, 117822342094847.	0.6	7
64	Grit personality trait of doctors and medical students in level 4 acute hospital. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2022, 20, 216-224.	0.8	7
65	Relationship Between the Conductivity of Human Blood and Blood Counts. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2022, 6, 184-190.	2.3	7
66	Value of the 21-gene expression assay in predicting locoregional recurrence rates in estrogen receptor-positive breast cancer: a systematic review and network meta-analysis. <i>Breast Cancer Research and Treatment</i> , 2022, 193, 535-544.	1.1	7
67	Six-year review of traumatic brain injury in a regional trauma unit: demographics, contributing factors and service provision in Ireland. <i>Brain Injury</i> , 2018, 32, 900-906.	0.6	6
68	Differentiated Thyroid Cancer: How Do Current Practice Guidelines Affect Management?. <i>European Thyroid Journal</i> , 2018, 7, 319-326.	1.2	6
69	Effect of Breast Cancer and Adjuvant Therapy on Adipose-Derived Stromal Cells: Implications for the Role of ADSCs in Regenerative Strategies for Breast Reconstruction. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 523-538.	1.7	6
70	Investigating the association of rs2910164 with cancer predisposition in an Irish cohort. <i>Endocrine Connections</i> , 2017, 6, 614-624.	0.8	5
71	Changing practices in the surgical management of hyperparathyroidism—a 10-year review. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2012, 10, 314-320.	0.8	4
72	Characterization of adrenocortical tumors by 18F-FDG PET/CT: Does steroid hormone hypersecretion status modify the uptake pattern?. <i>Surgical Oncology</i> , 2018, 27, 231-235.	0.8	4

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73	The presentation, management and outcome of inflammatory breast cancer cases in the UK: Data from a multi-centre retrospective review. <i>Breast</i> , 2018, 42, 133-141.	0.9	4
74	Measurement of Electrical Conductivity of Human Blood at Frequencies Below 100 kHz with Four-electrode Probe Method. , 2021, , .		4
75	Evaluating the Clinical Utility of Routine Sentinel Lymph Node Biopsy and the Value of Adjuvant Chemotherapy in Elderly Patients Diagnosed With Oestrogen Receptor Positive, Clinically Node Negative Breast Cancer. <i>Breast Cancer: Basic and Clinical Research</i> , 2021, 15, 117822342110222.	0.6	3
76	Overview of MicroRNA Expression in Predicting Response to Neoadjuvant Therapies in Human Epidermal Growth Receptor-2 Enriched Breast Cancer â€” A Systematic Review. <i>Breast Cancer: Basic and Clinical Research</i> , 2022, 16, 117822342210866.	0.6	3
77	Relevance of the 21-gene expression assay in male breast cancer: A systematic review and meta-analysis. <i>Breast</i> , 2022, 64, 41-46.	0.9	3
78	MicroArray Technology - Expression Profiling of MRNA and MicroRNA in Breast Cancer. , 0, , .		2
79	Oncological Risk in Autologous Stem Cell Donation for Novel Tissue-Engineering Approaches to Postmastectomy Breast Regeneration. <i>Breast Cancer: Basic and Clinical Research</i> , 2019, 13, 117822341986489.	0.6	2
80	Axillary ultrasound-guided core biopsy in breast cancer: identifying higher nodal burden and more aggressive clinicopathological characteristics. <i>Irish Journal of Medical Science</i> , 2019, 188, 425-431.	0.8	2
81	Preoperative Breast Magnetic Resonance Imaging as a Predictor of Response to Neoadjuvant Chemotherapy. <i>Breast Cancer: Basic and Clinical Research</i> , 2022, 16, 117822342211035.	0.6	2
82	Comment on â€œImplant-Based Breast Reconstruction With Acellular Dermal Matrix. Safety Data From an Open-Label, Multicenter, Randomized, Controlled Trial in the Setting of Breast Cancer Treatmentâ€. <i>Annals of Surgery</i> , 2020, 271, e106.	2.1	1
83	Practical tips for introducing high-fidelity simulation to undergraduates at a large scale: learning from our experience. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2021, 7, bmjstel-2021-000888.	0.7	1
84	Rotational Artefact Removal for Radar-based Breast Imaging: Effects on Image Quality. , 2020, , .		1
85	Experienceâ€based learning: how a crisis solution informed fundamental change in a clinical education curriculum. <i>Clinical Teacher</i> , 2021, 19, 42.	0.4	1
86	Management of life-threatening blunt head trauma in childhoodâ€”A case report. <i>International Journal of Surgery Case Reports</i> , 2012, 3, 356-357.	0.2	0
87	P176. Tumour biology affects nodal burden and complete pathological response after neoadjuvant chemotherapy in breast cancer patients with axillary nodal metastases. <i>European Journal of Surgical Oncology</i> , 2015, 41, S75-S76.	0.5	0
88	Meta-analysis of video-assisted versus open parathyroidectomy for primary hyperparathyroidism. <i>International Journal of Endocrine Oncology</i> , 2015, 2, 317-326.	0.4	0
89	Axillary ultrasound guided core biopsy to assess for lymph node metastases in breast cancer patients â€” What is the burden of disease?. <i>European Journal of Surgical Oncology</i> , 2016, 42, S50.	0.5	0
90	Exploiting the potential of publically available gene expression repositories to develop a better understanding of differential gene expression in breast cancer tissue. <i>European Journal of Surgical Oncology</i> , 2017, 43, S25.	0.5	0

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91	Follicular variant papillary thyroid carcinoma in Western Europe: A distinct clinical entity. <i>European Journal of Surgical Oncology</i> , 2017, 43, 2399-2400.	0.5	0
92	Author response to: Comment on: Meta-analysis of the impact of progesterone receptor status on oncological outcomes in oestrogen receptor-positive breast cancer. <i>British Journal of Surgery</i> , 2020, 107, 466-467.	0.1	0
93	FOXE1 polymorphism rs965513 predisposes to thyroid cancer in a European cohort. <i>Endocrine Oncology</i> , 2021, 1, 1-8.	0.1	0
94	Imprecise risk estimation of chemotherapy-related cardiotoxicity in HER2-positive breast cancer using the recently reported societal risk tools. <i>Breast Cancer Research and Treatment</i> , 2021, 190, 355-356.	1.1	0
95	Intraoperative Parathyroid Hormone in Minimally Invasive Parathyroidectomyâ€”Reply. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2021, 147, 923.	1.2	0
96	A case of adrenal Cushingâ€™s syndrome and primary hyperparathyroidism due to an atypical parathyroid adenoma. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2021, 12, 204201882110301.	1.4	0
97	Recurrent Primary Hyperparathyroidism: A Diagnostic Challenge in a Supernumerary Intrathyroidal Dormant Adenoma. <i>World Journal of Endocrine Surgery</i> , 2015, 7, 39-43.	0.0	0
98	Papillary Thyroid Cancer Presenting as a Uterine Metastasis. <i>Journal of Endocrinology and Metabolism</i> , 2019, 9, 113-116.	0.1	0
99	AB019. 149. Timing of low molecular weight heparin administration in breast surgery and post-operative haematoma formation. <i>Mesentery and Peritoneum</i> , 0, 3, AB019-AB019.	0.1	0
100	What Proportion of Systematic Reviews and Meta-Analyses Published in the <i>Annals of Surgery</i> Provide Definitive Conclusionsâ€”A Systematic Review and Bibliometric Analysis. <i>Publications</i> , 2022, 10, 19.	1.9	0
101	Evaluation of Human adipose-derived stromal cell behaviour following exposure to Tamoxifen. <i>Tissue and Cell</i> , 2022, , 101858.	1.0	0
102	A Novel Surrogate Nomogram Capable of Predicting OncotypeDX Recurrence Scoreâ„©. <i>Journal of Personalized Medicine</i> , 2022, 12, 1117.	1.1	0