

Patricia M Davidson

List of Publications by Year in descending order

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Version: 2024-02-01

137
papers

3,816
citations

361388

20
h-index

149686

56
g-index

155
all docs

155
docs citations

155
times ranked

5724
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear envelope rupture and repair during cancer cell migration. <i>Science</i> , 2016, 352, 353-358.	12.6	1,003
2	The interaction of cells and bacteria with surfaces structured at the nanometre scale. <i>Acta Biomaterialia</i> , 2010, 6, 3824-3846.	8.3	713
3	Nuclear Deformability Constitutes a Rate-Limiting Step During Cell Migration in 3-D Environments. <i>Cellular and Molecular Bioengineering</i> , 2014, 7, 293-306.	2.1	254
4	Broken nuclei – lamins, nuclear mechanics, and disease. <i>Trends in Cell Biology</i> , 2014, 24, 247-256.	7.9	234
5	A Chemomechanical Model for Nuclear Morphology and Stresses during Cell Transendothelial Migration. <i>Biophysical Journal</i> , 2016, 111, 1541-1552.	0.5	112
6	Design of a microfluidic device to quantify dynamic intra-nuclear deformation during cell migration through confining environments. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 1534-1546.	1.3	109
7	Microstructured Surfaces Cause Severe but Non-Detrimental Deformation of the Cell Nucleus. <i>Advanced Materials</i> , 2009, 21, 3586-3590.	21.0	105
8	The importance of clinical leadership in the hospital setting. <i>Journal of Healthcare Leadership</i> , 0, , 75.	3.9	101
9	Directing nuclear deformation on micropillared surfaces by substrate geometry and cytoskeleton organization. <i>Biomaterials</i> , 2013, 34, 2991-3001.	11.4	98
10	Actin on and around the Nucleus. <i>Trends in Cell Biology</i> , 2021, 31, 211-223.	7.9	74
11	A social-ecological framework: A model for addressing ethical practice in nursing. <i>Journal of Clinical Nursing</i> , 2018, 27, e1233-e1241.	3.0	73
12	High-throughput microfluidic micropipette aspiration device to probe time-scale dependent nuclear mechanics in intact cells. <i>Lab on A Chip</i> , 2019, 19, 3652-3663.	6.0	56
13	Topographically induced self-deformation of the nuclei of cells: dependence on cell type and proposed mechanisms. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 939-946.	3.6	47
14	Polycaprolactone-block-poly(ethylene oxide) Micelles: A Nanodelivery System for 17 β -Estradiol. <i>Molecular Pharmaceutics</i> , 2005, 2, 519-527.	4.6	46
15	The use of Midline Catheters in the Adult Acute Care Setting – Clinical Implications and Recommendations for Practice. , 2011, 16, 35-41.		46
16	Fibronectin layers by matrix-assisted pulsed laser evaporation from saline buffer-based cryogenic targets. <i>Acta Biomaterialia</i> , 2011, 7, 3780-3788.	8.3	44
17	Nesprin α 2 accumulates at the front of the nucleus during confined cell migration. <i>EMBO Reports</i> , 2020, 21, e49910.	4.5	39
18	Nesprins are mechanotransducers that discriminate epithelial-mesenchymal transition programs. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	35

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19	Beyond the ceiling effect: Using a mixed methods approach to measure patient satisfaction. <i>International Journal of Multiple Research Approaches</i> , 2011, 5, 52-63.	0.1	32
20	Delirium point prevalence studies in inpatient settings: A systematic review and meta-analysis. <i>Journal of Clinical Nursing</i> , 2020, 29, 2083-2092.	3.0	31
21	Actomyosin, vimentin and LINC complex pull on osteosarcoma nuclei to deform on micropillar topography. <i>Biomaterials</i> , 2020, 234, 119746.	11.4	25
22	International Perspectives of Nurses, Midwives and Allied Health Professionals Clinical Academic Roles: Are We at Tipping Point?. <i>International Journal of Practice-Based Learning in Health and Social Care</i> , 2019, 7, 1-15.	0.3	25
23	Inorganic/Organic Thin Implant Coatings Deposited by Lasers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 911-920.	8.0	21
24	Strategies for culturally safe research with Native American communities: an integrative review. <i>Contemporary Nurse</i> , 2022, 58, 8-32.	1.0	20
25	Definition of a simple statistical parameter for the quantification of orientation in two dimensions: Application to cells on grooves of nanometric depths. <i>Acta Biomaterialia</i> , 2010, 6, 2590-2598.	8.3	18
26	Factors associated with caregiving appraisal of informal caregivers: A systematic review. <i>Journal of Clinical Nursing</i> , 2020, 29, 3201-3221.	3.0	18
27	Establishing a Nurse-Led Central Venous Catheter Insertion Service. , 2010, 15, 21-27.		17
28	Nurses' attitudes, beliefs and practices on sexuality for cardiovascular care: A cross-sectional study. <i>Journal of Clinical Nursing</i> , 2019, 28, 980-986.	3.0	17
29	Workforce management and patient outcomes in the intensive care unit during the COVID-19 pandemic and beyond: a discursive paper. <i>Journal of Clinical Nursing</i> , 2021, , .	3.0	17
30	Supply chain failures amid Covid-19 signal a new pillar for global health preparedness. <i>Journal of Clinical Nursing</i> , 2021, 30, e1-e3.	3.0	16
31	Assays to Measure Nuclear Mechanics in Interphase Cells. <i>Current Protocols in Cell Biology</i> , 2012, 56, Unit22.16.	2.3	15
32	Hypertension among adults living in Haiti: An integrative review. <i>Journal of Clinical Nursing</i> , 2018, 27, 2536-2545.	3.0	15
33	Thin films of vitronectin transferred by MAPLE. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 611-617.	2.3	12
34	Different surface sensing of the cell body and nucleus in healthy primary cells and in a cancerous cell line on nanogrooves. <i>Biointerphases</i> , 2015, 10, 031004.	1.6	12
35	Diagnostic delay in Crohn's disease. <i>Pediatric Surgery International</i> , 1992, 7, 171.	1.4	11
36	Is nursing a STEM discipline? Does it matter and what can we do about it?. <i>Journal of Advanced Nursing</i> , 2020, 76, 1-3.	3.3	11

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37	Primary health care content in Australian undergraduate nursing curricula. <i>Collegian</i> , 2020, 27, 271-280.	1.3	11
38	Global service learning and COVID-19: What the future might look like?. <i>Journal of Clinical Nursing</i> , 2020, 29, 3607-3608.	3.0	10
39	Family caregivers: Important but often poorly understood. <i>Journal of Clinical Nursing</i> , 2018, 27, 4242-4244.	3.0	9
40	Barriers and facilitators to a "good death" in heart failure: An integrative review. <i>Collegian</i> , 2019, 26, 651-665.	1.3	9
41	Nursing Leadership for 21st Century. <i>Revista Latino-Americana De Enfermagem</i> , 2021, 29, e3472.	1.0	9
42	Improving hypertension knowledge, medication adherence, and blood pressure control: A feasibility study. <i>Journal of Clinical Nursing</i> , 2021, 30, 2960-2967.	3.0	9
43	The Self-Care of Heart Failure Index: A psychometric study. <i>Journal of Clinical Nursing</i> , 2020, 29, 645-652.	3.0	8
44	Access and referral to palliative care for patients with chronic heart failure: A qualitative study of healthcare professionals. <i>Journal of Clinical Nursing</i> , 2020, 29, 1576-1589.	3.0	8
45	A review of inpatient nursing workload measures. <i>Journal of Clinical Nursing</i> , 2021, 30, 1799-1809.	3.0	8
46	A 10-year evaluation of projects in a doctor of nursing practice programme. <i>Journal of Clinical Nursing</i> , 2020, 29, 4090-4103.	3.0	7
47	Inhibition of HIV infection by structural proteins of the inner nuclear membrane is associated with reduced chromatin dynamics. <i>Cell Reports</i> , 2021, 36, 109763.	6.4	7
48	Prevalence of SARS-CoV-2 antibodies among nurses: A systematic review and meta-analysis. <i>Journal of Clinical Nursing</i> , 2022, 31, 1557-1569.	3.0	7
49	Generating key practice points that enable optimal palliative care in acute hospitals: Results from the OPAL project's mid-point meta-inference. <i>International Journal of Nursing Studies Advances</i> , 2021, 3, 100035.	2.1	7
50	Perianal disease in childhood Crohn's disease: frequency, characteristics, and prognostic significance. <i>Pediatric Surgery International</i> , 1992, 7, 174.	1.4	6
51	The Role of Practice Nurses in an Integrated Model of Cardiovascular Disease Management in Australian General Practice. <i>Australian Journal of Primary Health</i> , 2006, 12, 34.	0.9	6
52	Response to comment on "The interaction of cells and bacteria with surfaces structures at the nanoscale". <i>Acta Biomaterialia</i> , 2011, 7, 1936-1937.	8.3	6
53	Nurse educators in Australia: High job satisfaction despite role ambiguity. <i>Journal of Nursing Education and Practice</i> , 2015, 5, .	0.2	6
54	Rapid response systems: where we have come from and where we need to go?. <i>Journal of Nursing Management</i> , 2018, 26, 1-2.	3.4	6

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55	A tale of two countries: Nurse practitioners in the United States and China. <i>Journal of Advanced Nursing</i> , 2020, 76, 924-926.	3.3	6
56	Does COVID-19 really call for an overhaul of nursing curricula or promoting the power, status, and representation of nursing?. <i>Journal of Advanced Nursing</i> , 2020, 76, 2460-2461.	3.3	6
57	Ensuring COVID-related innovation is sustained. <i>Journal of Advanced Nursing</i> , 2021, 77, e4-e6.	3.3	6
58	Factors to drive clinical practice improvement in a Malaysian intensive care unit: Assessment of organisational readiness using a mixed method approach. <i>International Journal of Multiple Research Approaches</i> , 2011, 5, 104-121.	0.1	5
59	The Role of the World Health Organization Collaborating Centers: Perspectives of Future Global Nurse Leaders. <i>Nurse Leader</i> , 2015, 13, 44-48.	0.9	5
60	Building Nursing Leadership Capacity: An Australian Snapshot. <i>Nurse Leader</i> , 2015, 13, 36-39.	0.9	5
61	Social determinants of hypertension and diabetes among African immigrants: the African immigrants health study. <i>Ethnicity and Health</i> , 2022, 27, 1345-1357.	2.5	5
62	Bibliotherapy for improving caregiving appraisal of informal caregivers of people with dementia: A pilot randomized controlled trial. <i>Research in Nursing and Health</i> , 2021, 44, 692-703.	1.6	5
63	Diuretic therapy in chronic heart failure: Implications for heart failure nurse specialists. <i>Australian Critical Care</i> , 2003, 16, 59-69.	1.3	4
64	Inhospital Study: Do older people, carers and nurses share the same priorities of care in the acute aged care setting?. <i>International Journal of Multiple Research Approaches</i> , 2011, 5, 76-88.	0.1	4
65	Unintended consequences of quality improvement programs on the prevention of hospital-acquired conditions: Avoiding the temptation to bite into low-hanging fruit. <i>Journal of Patient Safety and Risk Management</i> , 2018, 23, 123-127.	0.6	4
66	Preparing future nursing faculty: integrating enhanced teaching and leadership development curricula into PhD education. <i>Journal of Advanced Nursing</i> , 2022, 78, .	3.3	4
67	The role of culture in quality improvement in the intensive care unit: A literature review. <i>Journal of Hospital Administration</i> , 2012, 2, 97.	0.1	3
68	Non-pharmacological management interventions for COPD: an overview of Cochrane systematic reviews. <i>The Cochrane Library</i> , 2013, , .	2.8	3
69	mHealth education interventions in heart failure. <i>The Cochrane Library</i> , 0, , .	2.8	3
70	A Cardiac Rehabilitation Program, Customised to the Needs of Elderly Patients with Chronic Heart Failure, Decreases Admissions to Hospital and Improves Exercise Capacity. <i>Journal of Cardiac Failure</i> , 2003, 9, S111.	1.7	2
71	Interventions by Heart Failure Nurse Specialist: Potential for Reducing Hospital Admissions. <i>Journal of Cardiac Failure</i> , 2006, 12, S133.	1.7	2
72	Acute Hemodynamic Effects of Nebulised Furosemide in Stable Heart Failure. <i>Journal of Cardiac Failure</i> , 2009, 15, S5.	1.7	2

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73	Nurse led central venous catheter insertion: An integrative review. Australian Critical Care, 2009, 22, 61.	1.3	2
74	Disease management interventions for improving self-management in lower-limb peripheral arterial disease. The Cochrane Library, 0, , .	2.8	2
75	Percutaneous Endoscopic Gastrostomy. , 2013, , 57-64.		2
76	Shifting paradigms to build resilience among patients and families experiencing multiple chronic conditions. Journal of Clinical Nursing, 2020, 29, 3591-3594.	3.0	2
77	Global digital social learning as a strategy to promote engagement in the era of COVID-19. Journal of Clinical Nursing, 2021, 30, 2366-2372.	3.0	2
78	Patients with chronic heart failure rate psychosocial and existential needs higher than physical needs when recently discharged from hospital. Journal of Cardiac Failure, 2003, 9, S105.	1.7	1
79	Identifying the Onset of Depression Following an Acute Cardiac Event: Improvement of Health Outcomes Through Optimal Timing of Assessment and Interventions. Heart Lung and Circulation, 2008, 17, S76-S77.	0.4	1
80	The Heart Failure Care Giving Experience: Findings from a Population Based Study. Journal of Cardiac Failure, 2009, 15, S98.	1.7	1
81	An overview of risk prediction models and the implications for nursing practice. British Journal of Cardiac Nursing, 2012, 7, 259-265.	0.1	1
82	Noninvasive Ventilation: Better Than You Think; Insights From Behind the Mask. Chest, 2014, 146, 26A.	0.8	1
83	Global cardiovascular health. British Journal of Cardiac Nursing, 2015, 10, 526-526.	0.1	1
84	Social media and drug resistance in nursing training: Using a Twitterchat to develop an international community of practice for antimicrobial resistance. Journal of Clinical Nursing, 2020, 29, 2723-2729.	3.0	1
85	Heart analytics: Analytical modeling of cardiovascular care. Naval Research Logistics, 2021, 68, 30-43.	2.2	1
86	Maintaining Hope in Transition: Critical to the Work of All Nurses. , 2021, , 89-99.		1
87	Leveraging the trust of nurses to advance a digital agenda in Europe: a critical review of health policy literature. Open Research Europe, 0, 1, 26.	2.0	1
88	Readmission to the hospital: common, complex and time for a re-think. Journal of Clinical Nursing, 2021, 30, e56-e59.	3.0	1
89	Abstract P397: Social Determinants of Hypertension and Diabetes Among African Immigrants: The African Immigrant Health Study. Circulation, 2020, 141, .	1.6	1
90	Evolution of practice nursing in Australia. Journal of Advanced Nursing, 2006, .	3.3	1

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91	The Pursuit of Purposeful Partnerships-Making A Health Matrix Successful. Asia Pacific Journal of Health Management, 2019, 14, 85.	0.3	1
92	Pancreatic problems: An experimental model. Journal of Pediatric Surgery, 1986, 21, 255-256.	1.6	0
93	Hepatic surgery. Pediatric Surgery International, 1988, 3, 375.	1.4	0
94	Characteristics of Patients Dying While Enrolled in a Home Based Heart Failure Program. Journal of Cardiac Failure, 2006, 12, S129.	1.7	0
95	Effectiveness of general practice nurse interventions in cardiac risk factor reduction among adults. International Journal of Evidence-Based Healthcare, 2007, 5, 269-295.	0.5	0
96	Effectiveness of brief structured interventions on risk factor modification for patients with coronary heart disease. International Journal of Evidence-Based Healthcare, 2007, 5, 370-405.	0.5	0
97	The Last Frontier for Heart Failure Management: Symptom Management for People Dying with End-Stage Heart Failure in Residential Aged Care. Journal of Cardiac Failure, 2007, 13, S187.	1.7	0
98	Practice Nursing in Australia: Whose Responsibility?. Collegian, 2007, 14, 2-3.	1.3	0
99	Illness perceptions influence involvement in rehabilitation programs and adoption of lifestyle changes following acute myocardial infarction. Australian Occupational Therapy Journal, 2007, 54, 318-319.	1.1	0
100	Titration of medications by HF nurses increases optimisation doses of key therapeutic agents. Heart Lung and Circulation, 2008, 17, S2.	0.4	0
101	Service variability of chronic heart failure management programmes questions the quality of health-related outcomes. Heart Lung and Circulation, 2008, 17, S14.	0.4	0
102	Diabetes: A Global and Local Epidemic and a Key Consideration for Cardiovascular Nurses. Heart Lung and Circulation, 2008, 17, S74.	0.4	0
103	Prevalence and Onset of Depression in Women After an Acute Cardiac Event. Heart Lung and Circulation, 2008, 17, S77.	0.4	0
104	Does More Equal Less: Development of a Heart Failure Management Program Complexity Score (HF-IS) (BENCH Study). Heart Lung and Circulation, 2008, 17, S78-S79.	0.4	0
105	Depressed Mood in Chronic Heart Failure Patients Predicts an Increase in Mortality and Hospital Admissions. Heart Lung and Circulation, 2008, 17, S79.	0.4	0
106	Potential for Optimizing Beta Blocker and Angiotensin Converting Enzyme Inhibitor/Angiotensin Receptor Blockers Use in Patients with Moderate to Severe Left Ventricular Dysfunction. Heart Lung and Circulation, 2008, 17, S142.	0.4	0
107	The Malignant Trajectory of Heart Failure. Heart Lung and Circulation, 2008, 17, S149.	0.4	0
108	Preliminary Evaluation of a Self-administered, Modified Six Minute Walk Test. Heart Lung and Circulation, 2008, 17, S206.	0.4	0

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109	Home Heart Walk: Feasibility in a Cardiac Rehabilitation Population and Implications for Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2009, 15, S122.	1.7	0
110	Health Related Quality of Life Assessment in Pharmacological Clinical Trials: Rigor of Measurement and Reporting. <i>Journal of Cardiac Failure</i> , 2010, 16, S88.	1.7	0
111	Best Practice for Australian Chronic Heart Failure Management Programs: Strategic Positioning for Health Service Quality and Expansion. <i>Journal of Cardiac Failure</i> , 2010, 16, S91.	1.7	0
112	Medication Management Strategies of Community Heart Failure Programs in Australia. <i>Journal of Cardiac Failure</i> , 2011, 17, S93-S94.	1.7	0
113	PM230 Thromboprophylaxis prescription in hospitalised patients with heart failure and concomitant atrial fibrillation: Preliminary findings from the Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (AFASTER) cohort study. , 2014, 9, e109.		0
114	Symptom Burden and Distress in Individuals Undergoing Noninvasive Ventilation for Acute Respiratory Failure. <i>Chest</i> , 2014, 146, 39A.	0.8	0
115	Uncertainties in Caregivers of Patients Implanted With Left Ventricular Assist Device: A Systematic Review. <i>Journal of Cardiac Failure</i> , 2016, 22, S81-S82.	1.7	0
116	Getting to the Heart of the Matter—An Overview of Advances in Cardiac Palliative Care (P09). <i>Journal of Pain and Symptom Management</i> , 2017, 53, 308.	1.2	0
117	Nurses' Knowledge, Attitude, and Confidence in Delivering Palliative Care for Hospitalized Patients with Heart Failure: An Integrative Review (S707). <i>Journal of Pain and Symptom Management</i> , 2018, 55, 659-660.	1.2	0
118	Heart Analytics: Analytical Modeling of Cardiovascular Care. <i>SSRN Electronic Journal</i> , 2019, , .	0.4	0
119	Women in Leadership: Pathways for Empowerment, Leadership, Action and Culture Change (CAMBIA). <i>Journal of Pain and Symptom Management</i> , 2019, 57, 440.	1.2	0
120	Cultivating clinical—academic partnerships through a Virtual Nursing Grand Rounds series. <i>Journal of Clinical Nursing</i> , 2021, 30, e21-e22.	3.0	0
121	41250 Machine Learning to Identify Predictors of Iatrogenic Injury Using Empirical Bayes Estimates: A Cohort Study of Pressure Injury Prevention. <i>Journal of Clinical and Translational Science</i> , 2021, 5, 49-49.	0.6	0
122	Sociodemographic Disparities in Access to Palliative Care: A Systematic Literature Review (SCI958). <i>Journal of Pain and Symptom Management</i> , 2021, 61, 701.	1.2	0
123	The Role of Practice Nurses in an Integrated Model of Cardiovascular Disease Management in Australian General Practice. <i>Australian Journal of Primary Health</i> , 2006, 12, 34.	0.9	0
124	Patient, Provider and System Factors Impacting on the Diagnosis and Management of Lung Cancer Care in Australia. <i>Journal of Cancer Therapy</i> , 2012, 03, 406-411.	0.4	0
125	Patient, provider and system factors influencing rehospitalisation in adults with heart failure: a literature review.. <i>Contemporary Nurse</i> , 0, , 2772-2798.	1.0	0
126	An online education package for pharmacists delivering a home medication review service to patients following acute coronary syndromes. <i>European Journal for Person Centered Healthcare</i> , 2014, 2, 408.	0.3	0

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127	Recognition and referral of depression in patients with heart disease. European Journal of Cardiovascular Nursing, 0, , 147451511243747.	0.9	0
128	Abstract 062: Physiological and Psychological Stress Response are Related to QOL and Functional Status Among People Living With a Left Ventricular Assist Device. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	2.2	0
129	Case Study: A Chinese Immigrant Seeks Health Care in Australia. , 2018, , 381-386.		0
130	Sertraline in symptomatic chronic breathlessness: a double blind, randomised trial. , 2018, , .		0
131	Abstract 17275: Evaluating the Convergent and Discriminant Validity of Four Frailty Instruments in Adults With Heart Failure: Results From the Frame-HF Study. Circulation, 2018, 138, .	1.6	0
132	Evidence-Based Educational Intervention for Nurses™ about Prevention of Central Line Associated Blood Stream Infection. Middle East Journal of Nursing, 2019, 13, 3-16.	0.1	0
133	Traditional, Complementary and Integrative Medicine as Self-Care in Chronic Illness: A Focus Upon Stroke and Older Adults. , 2019, , 163-178.		0
134	Abstract P227: Psychosocial Predictors of Physical Capacity in Cardiac Rehabilitation. Circulation, 2020, 141, .	1.6	0
135	Abstract 14813: <i>Cardiovascular Stroke Nursing Best Abstract Award:</i> Heterogeneity of Cardiovascular Disease Risk Factors Among Asian Immigrants: Insights From the 2010 - 2018 National Health Interview Survey. Circulation, 2020, 142, .	1.6	0
136	Nursing education in uncharted waters: Are we successfully navigating the industrial revolutions ahead?. Journal of Clinical Nursing, 2022, 31, .	3.0	0
137	Heart Failure in Lebanon: A Review of the Literature. Jurnal Keperawatan Indonesia, 2022, 25, 17-31.	0.1	0