



wg hurley

Professor, National University of Ireland,
Galway
Electrical Engineering

Google Scholar

[Citation indices](#)

	All	Since 2012
Citations	3499	2062
h-index	31	24
i10-index	48	40

Title	1–20	Cited by	Year
Optimizing the ac resistance of multilayer transformer windings with arbitrary current waveforms	WG Hurley, E Gath, JG Breslin IEEE Transactions on Power Electronics 15 (2), 369-376	270	2000
State-of-charge determination from EMF voltage estimation: Using impedance, terminal voltage, and current for lead-acid and lithium-ion batteries	M Coleman, CK Lee, C Zhu, WG Hurley IEEE Transactions on industrial electronics 54 (5), 2550-2557	264	2007
Optimized transformer design: Inclusive of high-frequency effects	WG Hurley, WH Wolfle, JG Breslin IEEE Transactions on Power Electronics 13 (4), 651-659	234	1998
A thermal model for photovoltaic panels under varying atmospheric conditions	S Armstrong, WG Hurley Applied Thermal Engineering 30 (11), 1488-1495	196	2010
Calculation of self and mutual impedances in planar magnetic structures	WG Hurley, MC Duffy IEEE Transactions on Magnetics 31 (4), 2416-2422	189	1995
A stand-alone photovoltaic supercapacitor battery hybrid energy storage system	ME Glavin, PKW Chan, S Armstrong, WG Hurley Power Electronics and Motion Control Conference, 2008. EPE-PEMC 2008. 13th ...	153	2008
An improved battery characterization method using a two-pulse load test	M Coleman, WG Hurley, CK Lee IEEE Transactions on energy conversion 23 (2), 708-713	124	2008
Electromagnetic design of a magnetic suspension system	WG Hurley, WH Wolfle IEEE Transactions on education 40 (2), 124-130	118	1997
Development, implementation, and assessment of a web-based power electronics laboratory	WG Hurley, CK Lee IEEE Transactions on Education 48 (4), 567-573	115	2005
Transformers and inductors for power electronics: theory, design and applications	WG Hurley, WH Wölfe John Wiley & Sons	114	2013
Calculation of self-and mutual impedances in planar sandwich inductors	WG Hurley, MC Duffy IEEE Transactions on Magnetics 33 (3), 2282-2290	109	1997

Title	1–20	Cited by	Year
Calculation of self and mutual impedances between sections of transformer windings	DJ Wilcox, WG Hurley, M Conlon IEE Proceedings C-Generation, Transmission and Distribution 136 (5), 308-314	106	1989
Calculation of leakage inductance in transformer windings	WG Hurley, DJ Wilcox IEEE Transactions on power electronics 9 (1), 121-126	89	1994
PWM control of a magnetic suspension system	WG Hurley, M Hynes, WH Wolfle IEEE Transactions on education 47 (2), 165-173	84	2004
A new methodology to optimise solar energy extraction under cloudy conditions	S Armstrong, WG Hurley Renewable Energy 35 (4), 780-787	82	2010
Calculation of self and mutual impedances for coils on ferromagnetic cores	DJ Wilcox, M Conlon, WG Hurley IEE Proceedings A-Physical Science, Measurement and Instrumentation ...	75	1988
A new approach to achieve maximum power point tracking for PV system with a variable inductor	L Zhang, WG Hurley, WH Wölfle IEEE Transactions on Power Electronics 26 (4), 1031-1037	65	2011
A new approach to intermittent charging of valve-regulated lead-acid batteries in standby applications	M Bhatt, WG Hurley, WH Wolfle IEEE Transactions on Industrial Electronics 52 (5), 1337-1342	59	2005
Quasi-active power factor correction with a variable inductive filter: theory, design and practice	WH Wolfle, WG Hurley IEEE Transactions on Power Electronics 18 (1), 248-255	58	2003
Comparison of battery charging algorithms for stand alone photovoltaic systems	S Armstrong, ME Glavin, WG Hurley Power Electronics Specialists Conference, 2008. PESC 2008. IEEE, 1469-1475	53	2008

Dates and citation counts are estimated and are determined automatically by a computer program.