

# Marian P Kazmierkowski

## List of Publications by Year in descending order

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76  
papers

9,914  
citations

279798

23  
h-index

289244

40  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current control techniques for three-phase voltage-source PWM converters: a survey. IEEE Transactions on Industrial Electronics, 1998, 45, 691-703.	7.9	1,710
2	Predictive Control in Power Electronics and Drives. IEEE Transactions on Industrial Electronics, 2008, 55, 4312-4324.	7.9	1,441
3	State of the Art of Finite Control Set Model Predictive Control in Power Electronics. IEEE Transactions on Industrial Informatics, 2013, 9, 1003-1016.	11.3	1,425
4	Direct Torque Control of PWM Inverter-Fed AC Motors—A Survey. IEEE Transactions on Industrial Electronics, 2004, 51, 744-757.	7.9	1,028
5	Simple Direct Power Control of Three-Phase PWM Rectifier Using Space-Vector Modulation (DPC-SVM). IEEE Transactions on Industrial Electronics, 2004, 51, 447-454.	7.9	567
6	Virtual-flux-based direct power control of three-phase PWM rectifiers. IEEE Transactions on Industry Applications, 2001, 37, 1019-1027.	4.9	552
7	A comparative study of control techniques for PWM rectifiers in AC adjustable speed drives. IEEE Transactions on Power Electronics, 2003, 18, 1390-1396.	7.9	422
8	Direct Power Control of an AFE Using Predictive Control. IEEE Transactions on Power Electronics, 2008, 23, 2516-2523.	7.9	416
9	Virtual-Flux-Based Predictive Direct Power Control of AC/DC Converters With Online Inductance Estimation. IEEE Transactions on Industrial Electronics, 2008, 55, 4381-4390.	7.9	238
10	Contactless Energy Transfer System With FPGA-Controlled Resonant Converter. IEEE Transactions on Industrial Electronics, 2010, 57, 3181-3190.	7.9	235
11	Novel space vector based current controllers for PWM-inverters. IEEE Transactions on Power Electronics, 1991, 6, 158-166.	7.9	202
12	High-Performance Motor Drives. IEEE Industrial Electronics Magazine, 2011, 5, 6-26.	2.6	179
13	DSP-Based Control of Grid-Connected Power Converters Operating Under Grid Distortions. IEEE Transactions on Industrial Informatics, 2011, 7, 204-211.	11.3	175
14	A simple direct-torque neuro-fuzzy control of PWM-inverter-fed induction motor drive. IEEE Transactions on Industrial Electronics, 2000, 47, 863-870.	7.9	171
15	Robust Predictive Control of Three-Level NPC Back-to-Back Power Converter PMSG Wind Turbine Systems With Revised Predictions. IEEE Transactions on Power Electronics, 2018, 33, 9588-9598.	7.9	160
16	Improved direct torque and flux vector control of PWM inverter-fed induction motor drives. IEEE Transactions on Industrial Electronics, 1995, 42, 344-350.	7.9	148
17	Unplugged But Connected: Review of Contactless Energy Transfer Systems. IEEE Industrial Electronics Magazine, 2012, 6, 47-55.	2.6	114
18	A neural-network-based space-vector PWM controller for voltage-fed inverter induction motor drive. IEEE Transactions on Industry Applications, 2000, 36, 1628-1636.	4.9	94

#	ARTICLE	IF	CITATIONS
19	Digital current control in a rotating reference frame - Part I: System modeling and the discrete time-domain current controller with improved decoupling capabilities. IEEE Transactions on Power Electronics, 2016, 31, 5290-5305.	7.9	80
20	Model Predictive Control for 3-Level 4-Leg Flying Capacitor Converter Operating as Shunt Active Power Filter. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	71
21	Fast Direct Torque Control of an Open-End Induction Motor Drive Using 12-Sided Polygonal Voltage Space Vectors. IEEE Transactions on Power Electronics, 2012, 27, 400-410.	7.9	66
22	Simple Direct Power Control of Three-Phase PWM Rectifier Using Space Vector Modulation " A Comparative Study. EPE Journal (European Power Electronics and Drives Journal), 2003, 13, 28-34.	0.7	31
23	Contactless battery charger with bi-directional energy transfer for plug-in vehicles with vehicle-to-grid capability. , 2011, , .		30
24	A Simple Control System for Current Source Inverter-Fed Induction Motor Drives. IEEE Transactions on Industry Applications, 1985, IA-21, 617-623.	4.9	28
25	A Medium-Voltage Inverter-Fed IM Drive Using Multilevel 12-Sided Polygonal Vectors, With Nearly Constant Switching Frequency Current Hysteresis Controller. IEEE Transactions on Industrial Electronics, 2014, 61, 1700-1709.	7.9	27
26	Power electronics for renewable sea wave energy. , 2010, , .		22
27	Hysteresis current controller for a general $n$ -level inverter fed drive with online current error boundary computation and nearly constant switching frequency. IET Power Electronics, 2013, 6, 1640-1649.	2.1	21
28	FPGA based control of series resonant converter for contactless power supply. , 2008, , .		17
29	An Improved Synchronous Reference Frame Method for Active Filters. , 2007, , .		15
30	Inductive coupled contactless energy transfer systems - a review. , 2015, , .		15
31	Improving flux and speed estimators for sensorless AC drives. IEEE Industrial Electronics Magazine, 2007, 1, 8-19.	2.6	14
32	Control of Variable-Speed Type Wind Turbines Using Direct Power Control Space Vector Modulated 3-Level PWM Converter. , 2006, , .		13
33	Dual-source fed multiphase traction system with standard and non-standard control regimes based on synchronized PWM. , 2008, , .		12
34	Direct torque controlled PWM inverter fed PMSM drive for public transport. , 2008, , .		10
35	Grid connection of multi-Megawatt clean Wave energy power plant under weak grid condition. , 2008, , .		10
36	Web Based Teaching of Pulse Width Modulation Methods for Three-Phase Two-Level Converters. , 2006, , .		9

#	ARTICLE	IF	CITATIONS
37	Component minimized AC/DC/AC converter with DC-link capacitors voltages balancing. , 2009, , .		9
38	Improved Voltage Oriented Control of AC-DC converter under balanced and unbalanced grid voltage dips. , 2009, , .		9
39	Introduction to the Special Section on Contactless Energy Transfer Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 239-241.	7.9	9
40	High Performance Power Supplies for Plasma Materials Processing. IEEE Access, 2021, 9, 19327-19344.	4.2	9
41	Operation of four-leg three-level flying capacitor grid-connected converter for RES. , 2013, , .		8
42	Message From the Outgoing Editor-in-Chief. IEEE Transactions on Industrial Electronics, 2007, 54, 4-4.	7.9	7
43	Nearly Constant Switching Frequency Hysteresis Current Controller with Fast Online Computation of Boundary for a 2-Level Induction Motor Drive. EPE Journal (European Power Electronics and Drives) Tj ETQq1 1 0.784314 rgBT /Overlo		7
44	Power electronic grid-interface for renewable ocean wave energy. , 2011, , .		6
45	Sensorless predictive torque control of induction motor drive operating in wide speed range &#x2014; Simulation study. , 2014, , .		6
46	Solar Powered Charging Infrastructure for Electrical Vehicles: A Sustainable Development [Book News]. IEEE Industrial Electronics Magazine, 2017, 11, 72-73.	2.6	6
47	Novel FPGA Based Control of Series Resonant Converter for Contactless Power Supply. , 2007, , .		5
48	Control of AC-DC-AC converter under unbalanced and distorted input conditions. , 2009, , .		5
49	Power management in four-leg converter interfacing RES with the grid. , 2013, , .		5
50	Advanced DSP Control of 3-Level DC/AC Converter for Variable-Speed PMSG. , 2006, , .		4
51	Single-phase cascade multilevel PWM converter based on FLC modules with LC output sine filter. , 2008, , .		4
52	Simple computation techniques of online boundary to achieve constant switching frequency in any general n-level VSI fed IM drive using hysteresis current controller. , 2013, , .		4
53	Design of a three-phase AC/DC converter with paralleled SiC MOSFETs. , 2014, , .		4
54	DSP/FPGA Control for Variable-Speed Wind Turbines. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	3

#	ARTICLE	IF	CITATIONS
55	A comparison of properties of direct torque and flux control methods (DTC-SVM,DTC&#x003B4;,) Tj ETQq1 1 0.784314,rgBT /Ove		
56	Comparative study of two Direct Power Control algorithms for AC/DC converters. , 2008, , .		3
57	Control of three-level four-leg flying capacitor converter with active filtering function for RES. , 2013, , .		3
58	Advanced grid filters for AC-DC converters â€” Analysis and design methodology. , 2016, , .		3
59	Power System Dynamics: Stability and Control, Third Edition [Book News]. IEEE Industrial Electronics Magazine, 2020, 14, 94-95.	2.6	3
60	Experimental research on model predictive control of 3-level 4-leg Flying Capacitor Converter operating as Shunt Active Power Filter. , 2015, , .		2
61	Power Electronics in Renewable Energy Systems and Smart Grid: Technology and Applications [Book News]. IEEE Industrial Electronics Magazine, 2019, 13, 138-138.	2.6	2
62	Direct Active and Reactive Power Control of AC/DC/AC Converter with Permanent Magnet Synchronous Generator for Sea Wave Converter. , 2007, , .		1
63	Flux Vector Control with Space Vector Modulation for PWM inverter fed induction motor drive. , 2010, , .		1
64	AC-DC-AC converter with grid voltage dips mitigation. , 2010, , .		1
65	Introduction to the Special Section on Digital Control Systems in Power Electronics and Electrical Drivesâ€”Part II. IEEE Transactions on Industrial Electronics, 2013, 60, 575-577.	7.9	1
66	Guest Editorial Special Section on Digital Control Systems in Power Electronics and Electrical Drives - Part III. IEEE Transactions on Industrial Informatics, 2013, 9, 587-588.	11.3	1
67	Development and Investigation of Inverter-Fed IPMSM Drive for Electric Vehicles. , 2021, , .		1
68	Induction Machines Handbook, Third Edition [Book News]. IEEE Industrial Electronics Magazine, 2020, 14, 185-186.	2.6	1
69	&#x201C;Predictive control in power electronics and drives&#x201D;. , 2008, , .		0
70	Electric Drives and Microelectronic Circuits [review of "Model-Based PredictiveControl of Electric Drives" (Linder, A., et al; 2010)]. IEEE Industrial Electronics Magazine, 2011, 5, 77-77.	2.6	0
71	Guest Editorial Special Section on Digital Control Systems in Power Electronics and Electrical Drivesâ€”I. IEEE Transactions on Industrial Informatics, 2012, 8, 435-436.	11.3	0
72	Hybrid 5-level cascaded H-Bridge converter with model predictive controller. , 2016, , .		0

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73	Modular Multilevel Converters: Analysis, Control, and Applications [Book News]. IEEE Industrial Electronics Magazine, 2020, 14, 113-114.	2.6	0
74	Automotive Power Systems [Book News]. IEEE Industrial Electronics Magazine, 2021, 15, 109-110.	2.6	0
75	Power Electronics and Motor Drives: Advances and Trends, Second Edition [Book News]. IEEE Industrial Electronics Magazine, 2021, 15, 89-90.	2.6	0
76	Selected Problems of Discontinues Control of Inverter Fed Induction Motor Drives. Studies in Systems, Decision and Control, 2015, , 257-276.	1.0	0