Vashist Bist

List of Publications by Year
in descending order

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49 papers	1,162 citations	516710 16 h-index	454955 30 g-index
49 all docs	49 docs citations	49 times ranked	488 citing authors

#	Article	IF	Citations
1	An Adjustable-Speed PFC Bridgeless Buckâ€“Boost Converter-Fed BLDC Motor Drive. IEEE Transactions on Industrial Electronics, 2014, 61, 2665-2677.	7.9	165
2	PFC Cuk Converter-Fed BLDC Motor Drive. IEEE Transactions on Power Electronics, 2015, 30, 871-887.	7.9	112
3	A Unity Power Factor Bridgeless Isolated Cuk Converter-Fed Brushless DC Motor Drive. IEEE Transactions on Industrial Electronics, 2015, 62, 4118-4129.	7.9	86
4	Improved power quality bridgeless Cuk converter fed brushless DC motor drive for air conditioning system. IET Power Electronics, 2013, 6, 902-913.	2.1	80
5	Power Factor Correction in Bridgeless-Luo Converter-Fed BLDC Motor Drive. IEEE Transactions on Industry Applications, 2015, 51, 1179-1188.	4.9	73
6	Power Factor Corrected Zeta Converter Based Improved Power Quality Switched Mode Power Supply. IEEE Transactions on Industrial Electronics, 2015, 62, 5422-5433.	7.9	68
7	A BL-CSC Converter-Fed BLDC Motor Drive With Power Factor Correction. IEEE Transactions on Industrial Electronics, 2015, 62, 172-183.	7.9	60
8	A reduced sensor PFC BL-Zeta converter based VSI fed BLDC motor drive. Electric Power Systems Research, 2013, 98, 11-18.	3.6	46
9	A Brushless DC Motor Drive With Power Factor Correction Using Isolated Zeta Converter. IEEE Transactions on Industrial Informatics, 2014, 10, 2064-2072.	11.3	44
10	A PFC-Based BLDC Motor Drive Using a Canonical Switching Cell Converter. IEEE Transactions on Industrial Informatics, 2014, 10, 1207-1215.	11.3	43
11	Power quality improvements in a zeta converter for brushless DC motor drives. IET Science, Measurement and Technology, 2015, 9, 351-361.	1.6	41
12	BLDC Motor Drive Based on Bridgeless Landsman PFC Converter With Single Sensor and Reduced Stress on Power Devices. IEEE Transactions on Industry Applications, 2018, 54, 625-635.	4.9	35
13	Reduced sensor configuration of brushless DC motor drive using a power factor correctionâ€based modifiedâ€zeta converter. IET Power Electronics, 2014, 7, 2322-2335.	2.1	32
14	A Power Quality Improved Bridgeless Converter-Based Computer Power Supply. IEEE Transactions on Industry Applications, 2016, 52, 4385-4394.	4.9	31
15	Power factor correction in switched mode power supply for computers using canonical switching cell converter. IET Power Electronics, 2015, 8, 234-244.	2.1	21
16	Reduced sensor configuration of a power factor correction based singleâ€ended primary inductance converter fed brushless DC motor drive. IET Power Electronics, 2015, 8, 1606-1615.	2.1	21
17	An adjustable speed PFC bridgeless-SEPIC fed brushless DC motor drive. , 2015, , .		19
18	Improved Power Quality Switched-Mode Power Supply Using Buckâ€“Boost Converter. IEEE Transactions on Industry Applications, 2016, 52, 5194-5202.	4.9	17

#	Article	IF	Citations
19	Power-Quality Improvement in PFC Bridgeless SEPIC-Fed BLDC Motor Drive. International Journal of Emerging Electric Power Systems, 2013, 14, 285-296.	0.8	13
20	Improved-Power-Quality Bridgeless-Converter-Based Multiple-Output SMPS. IEEE Transactions on Industry Applications, 2015, 51, 721-732.	4.9	13
21	Power quality improvements in power factor correction Luo converter fed brushless direct current motor drive. International Transactions on Electrical Energy Systems, 2015, 25, 898-919.	1.9	13
22	A PFC based switched-capacitor buck-boost converter fed BLDC motor drive. , 2013, , .		11
23	DICM and DCVM of a PFC-based SEPIC-fed PMBLDCM Drive. IETE Journal of Research, 2013, 59, 141.	2.6	11
24	Brushless DC motor drive with power factor regulation using Landsman converter. IET Power Electronics, 2016, 9, 900-910.	2.1	11
25	Power factor correction (PFC) converters feeding brushless DC motor drive. International Journal of Engineering, Science and Technology, 2016, 7, 65-75.	0.6	9
26	A Reduced Sensor Power Factor Corrected Bridgeless Flyback Converter Fed Brushless DC Motor Drive. Electric Power Components and Systems, 2013, 41, 1114-1128.	1.8	8
27	A PFC based bridgeless Sheppard-Taylor converter fed brushless DC motor drive. , 2014, , .		8
28	Power factor correction in sensorless BLDC motor drive. , 2014, , .		8
29	Landsman based PFC with PWM dimming for high brightness LED driver. , 2015, , .		8
30	A single sensor based bridgeless landsman PFC converter fed BLDC motor drive. , 2015, , .		6
31	An Improved Power Quality Based Sheppardâ€“Taylor Converter Fed BLDC Motor Drive. Journal of the Institution of Engineers (India): Series B, 2015, 96, 327-337.	1.9	6
32	A PFC based isolated Sheppard-Taylor converter feeding brushless DC motor drive. , 2014, , .		5
33	Unity Power Factor Operated PFC Converter Based Power Supply for Computers. Journal of the Institution of Engineers (India): Series B, 2018, 99, 49-60.	1.9	5
34	A PFC Based BLDCM Drive for Low Power Household Appliances. EPE Journal (European Power) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.7	4
35	Power factor correction in brushless DC motor drive using a boost-forward SSIPP. , 2014, , .		3
36	Improved power quality switched mode power supply using buck-boost converter. , 2014, , .		3

#	Article	IF	Citations
37	A unity power factor NI-BIBRED converter fed brushless DC motor drive. , 2014, , .		3
38	An improved power quality boost-flyback SSIPP fed BLDC motor drive. International Journal of Power Electronics, 2014, 6, 179.	0.2	3
39	A PFC modified-Landsman converter based PWM-Dimmable RGB HB-LED driver for large area projection applications. , 2015, , .		3
40	Power corrected bridgeless converter based switched mode power supply factor. IET Power Electronics, 2016, 9, 1684-1693.	2.1	3
41	Reduced sensor based improved power quality CSC converter fed BLDC motor drive. , 2012, , .		2
42	Power factor correction in a brushless DC motor drive using an isolated-Luo converter. , 2014, , .		2
43	Power factor correction in a brushless DC motor drive using an isolated-Luo converter. , 2014, , .		2
44	An Improved Power Quality BIBRED Converter-Based VSI-Fed BLDC Motor Drive. International Journal of Emerging Electric Power Systems, 2014, 15, 25-33.	0.8	2
45	Power quality improved bridgeless converter based multiple output SMPS. , 2013, , .		1
46	A power quality improved bridgeless converter based computer power supply. , 2014, , .		1
47	PFC converter based power quality improvement and ripple current minimization in BLDC motor drive. , 2016, , .		1
48	A power quality improved bridgeless converter based computer power supply. , 2014, , .		0
49	Power Quality Improvement in Bridgeless Acâ€“Dc Converter Based Multi-output Switched Mode Power Supply. International Journal of Emerging Electric Power Systems, 2014, 15, 533-544.	0.8	0