Toshihiko Tanaka

List of Publications by Year
in descending order

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40 papers	321 citations	1163117 8 h-index	940533 16 g-index
40 all docs	40 docs citations	40 times ranked	216 citing authors

#	Article	IF	Citations
1	Smart Charger for Electric Vehicles With Power-Quality Compensator on Single-Phase Three-Wire Distribution Feeders. IEEE Transactions on Industry Applications, 2013, 49, 2628-2635.	4.9	67
2	A Novel Detection Method of Active and Reactive Currents in Single-Phase Circuits Using the Correlation and Cross-Correlation Coefficients and Its Applications. IEEE Transactions on Power Delivery, 2007, 22, 2450-2456.	4.3	37
3	Novel Reactive Power Control Strategy Based on Constant DC-Capacitor Voltage Control for Reducing the Capacity of Smart Charger for Electric Vehicles on Single-Phase Three-Wire Distribution Feeders. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 481-488.	5.4	30
4	Reduced-Capacity Smart Charger for Electric Vehicles on Single-Phase Three-Wire Distribution Feeders With Reactive Power Control. IEEE Transactions on Industry Applications, 2015, 51, 315-324.	4.9	22
5	Novel Simple Reactive Power Control Strategy With DC Capacitor Voltage Control for Active Load Balancer in Three-Phase Four-Wire Distribution Systems. IEEE Transactions on Industry Applications, 2015, 51, 4091-4099.	4.9	19
6	New Hybrid Static VAR Compensator with Series Active Filter. Energies, 2017, 10, 1617.	3.1	14
7	A constant DC voltage control based compensation method of an active power quality compensator for electrified railways. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 435-441.	1.4	12
8	Peak Power Shaving of an Electric Injection Molding Machine With Supercapacitors. IEEE Transactions on Industry Applications, 2014, 50, 1114-1120.	4.9	10
9	Novel simple harmonics compensation method for smart charger with constant DC-capacitor voltage control for electric vehicles on single-phase three-wire distribution feeders. , 2015, , .		9
10	A New Current Balancer in Single-Phase Three-Wire Secondary Distribution Feeders Using the Correlation Coefficients. IEEJ Transactions on Industry Applications, 2007, 127, 675-681.	0.2	7
11	High-frequency induction heating for small-foreign-metal particle detection using 400 kHz SiC-MOSFETs inverter. , 2017, , .		7
12	Voltage Rise Suppression and Load Balancing by PV-PCS with Constant DC-Capacitor Voltage-Control-Based Strategy in Single-Phase Three-Wire Distribution Feeders. IEEJ Journal of Industry Applications, 2017, 6, 303-310.	1.1	7
13	Harmonic Current Compensation Using Constant DC-Capacitor Voltage-Control-Based Strategy of Three-Level Neutral-Point-Clamped Inverter-Based STATCOM with Reactive Power Control. IEEJ Journal of Industry Applications, 2019, 8, 352-358.	1.1	7
14	Constant DC-Capacitor Voltage-Control-Based Strategy for Harmonics Compensation in Smart Charger for Electric Vehicles in Single-Phase Three-Wire Distribution Feeders with Reactive Power Control. IEEJ Journal of Industry Applications, 2019, 8, 116-123.	1.1	7
15	A New Control Method of Current Balancer for Single-Phase Three-Wire Secondary Distribution Systems Using the Correlation and Cross-Correlation Coefficients. IEEJ Transactions on Industry Applications, 2008, 128, 34-40.	0.2	7
16	Reducing Capacity of Smart Charger for Electric Vehicles on Single-Phase Three-Wire Distribution Feeders with Reactive Power Control. IEEJ Journal of Industry Applications, 2014, 3, 437-445.	1.1	7
17	Voltage rise suppression and load balancing by PV-PCS with constant dc-capacitor voltage control based strategy on single-phase three-wire distribution feeders. , 2015, , .		6
18	Bidirectional DC-DC Converter for Supercapacitor-Linked Power Interface in Advanced Electric Vehicles. IEEJ Transactions on Industry Applications, 2006, 126, 529-530.	0.2	5

#	Article	IF	Citations
19	High-frequency induction heating for small-foreign-metal particles Using SiC-MOSFETs inverter. , 2017, , .		5
20	Harmonics compensation with constant DC-capacitor voltage-control-based strategy of smart charger for electric vehicles in single-phase three-wire distribution feeders under distorted source voltage and load currents conditions. , 2017, , .		4
21	Improvement in Harmonic Compensation of a Smart Charger with a Constant DC-Capacitor Voltage-Control-Based Strategy for Electric Vehicles in Single-Phase Three-Wire Distribution Feeders. Energies, 2018, 11, 1604.	3.1	4
22	Reactive Power Control Strategy Based on DC Capacitor Voltage Control for Active Load Balancer in Three-Phase Four-Wire Distribution Systems. IEEJ Journal of Industry Applications, 2015, 4, 158-165.	1.1	3
23	Constant DC-Capacitor Voltage-Control-Based Harmonics Compensation Strategy of Smart Charger for Electric Vehicles in Single-Phase Three-Wire Distribution Feeders. Energies, 2017, 10, 797.	3.1	3
24	Constant DC-Capacitor Voltage-Control-Based Reactive Power Control Method of Bidirectional Battery Charger for EVs in Commercial Single-Phase Three-Wire Low-Voltage Feeders. IEEJ Journal of Industry Applications, 2021, 10, .	1.1	3
25	A New Control Method of the Current Balancer in Single-Phase Three-Wire Secondary Distribution Systems Using the Correlation Function. IEEJ Transactions on Industry Applications, 2006, 126, 84-85.	0.2	3
26	Constant DC-Capacitor Voltage-Control-Based Reactive Power Control method of Bidirectional Battery Charger for EVs in Commercial Single-Phase Three-Wire Distribution Feeders. , 2020, , .		3
27	A constant DC voltage controlâ€based strategy for an active power quality compensator in electrified railways with improved response. IEEJ Transactions on Electrical and Electronic Engineering, 2012, 7, 316-321.	1.4	2
28	Constant DC-capacitor voltage-control-based strategy for harmonics compensation of smart charger for electric vehicles in single-phase three-wire distribution feeders with reactive power control. , 2016, , .		2
29	Iron Loss Reduction in the Cores of Induction Heating Coils for Small-Foreign-Metal Particle Detector With a 400-kHz SiC-MOSFETs High-Frequency Inverter. , 2018, , .		2
30	A Constant DC Voltage Control Based Strategy for the Current Balancer in Single-Phase Three-Wire Secondary Distribution Systems. IEEJ Transactions on Industry Applications, 2010, 130, 935-936.	0.2	2
31	New Induction Heating Coils with Reduced Iron-Loss in the Cores for Small-Foreign-Metal Particle Detector Using an SiC-MOSFETs High-Frequency Inverter. IEEJ Journal of Industry Applications, 2019, 8, 803-812.	1.1	2
32	Smart charger for electric vehicles on single-phase three-wire distribution feeders with constant dc-capacitor voltage control under multiple household customers. , 2015, , .		1
33	Simple Power Quality Compensation with Bidirectional Battery Charger for Electric Vehicles in Single-Phase Three-Wire Distribution Feeders. Energies, 2020, 13, 2894.	3.1	1
34	Novel and Simple Current-Ripple Calculation of LCL Filter for Parallel-Connected Three-Phase PWM Rectifiers. , 2019, , .		1
35	A New Method of Compensating Harmonic Currents under the Soft Start in Wind Power Generation Systems Using the Hybrid Filter. IEEJ Transactions on Industry Applications, 2006, 126, 818-819.	0.2	0
36	A Matching Transformer-less Inrush Current Suppressor for Transformers Using a Series-Connected Small-Rated Voltage-Source PWM Converter. IEEJ Transactions on Industry Applications, 2005, 125, 712-720.	0.2	0

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37	A Novel Detection Method of Active and Reactive Currents in Single-Phase Circuits Using PLL Circuit. IEEJ Transactions on Industry Applications, 2007, 127, 538-539.	0.2	0
38	A Constant DC Voltage Control Based Method of the Active Power Quality Compensator for Electrified Railways. IEEJ Transactions on Industry Applications, 2008, 128, 145-146.	0.2	0
39	New Control Method of Active Power Quality Compensator with Reduced-Capacity Three-Leg Inverter for Electrified Railways. IEEJ Transactions on Industry Applications, 2009, 129, 907-913.	0.2	0
40	Sinusoidal Charging-Discharging Method of LiBs for Reducing Capacitances of DC-Capacitors in Smart Charger for EVs in Single-Phase Three-Wire Distribution Feeders. , 2019, , .		0