

Xiongfei Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

342
papers

9,157
citations

48
h-index

86
g-index

423
ext. papers

12,948
ext. citations

5.7
avg, IF

7.32
L-index

#	Paper	IF	Citations
342	Vector-Norm Based Truncation of Harmonic Transfer Functions in Black-Box Electronic Power Systems. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2022 , 1-1	3.6	
341	Analysis of power spectrum and phase lag index changes following deep brain stimulation of the anterior nucleus of the thalamus in patients with drug-resistant epilepsy: A retrospective study.. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2022 , 96, 6-12	3.2	0
340	EMI Filter Robustness in Three-Level Active Neutral-Point-Clamped Inverter. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4641-4657	7.2	1
339	Power Dynamic Decoupling Control of Grid-Forming Converter in Stiff Grid. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	3
338	Islanding Detection of Grid-Forming Inverters: Mechanism, methods, and challenges. <i>IEEE Electrification Magazine</i> , 2022 , 10, 30-38	2.6	3
337	Physical Insight Into Hybrid-Synchronization-Controlled Grid-Forming Inverters Under Large Disturbances. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
336	A review of multi-sampling techniques in power electronics applications. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
335	Equivalent Circuit Model of Grid-Forming Converters With Circular Current Limiter for Transient Stability Analysis. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	2
334	Physics Informed Neural Network based Online Impedance Identification of Voltage Source Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
333	Multisampling based Grid Impedance Estimation for Two-Cell Interleaved Three-phase Inverters 2021 ,		1
332	Increased inflammasome-activated pyroptosis mediated by caspase-1 in Rasmussen's encephalitis.. <i>Epilepsy Research</i> , 2021 , 179, 106843	3	0
331	Vagus nerve stimulation for drug-resistant epilepsy induced by tuberous sclerosis complex. <i>Epilepsy and Behavior</i> , 2021 , 126, 108431	3.2	2
330	The correspondence between morphometric MRI and metabolic profile in Rasmussen's encephalitis.. <i>NeuroImage: Clinical</i> , 2021 , 33, 102918	5.3	0
329	Power-Synchronized Current Control for Grid- Connected Converter 2021 ,		2
328	Transient Performance Evaluation of Grid-forming Control for Railway Traction Converters Considering Inter-Phase Operation 2021 ,		1
327	Nonlinear Modular State-Space Modeling of Power-Electronics-Based Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	0
326	Small-Signal Modeling and Controller Parameters Tuning of Grid-Forming VSCs with Adaptive Virtual Impedance-Based Current Limitation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3

325	MMC Admittance Model Simplification Based on Signal-Flow Graph. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	2
324	Wireless Control of Modular Multilevel Converter Submodules With Communication Errors. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
323	Frequency-Domain Participation Analysis for Electronic Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	6
322	Magnetoencephalography STOUT Method Adapted to Radiofrequency Thermocoagulation for MR-Negative Insular Epilepsy: A Case Report. <i>Frontiers in Neurology</i> , 2021 , 12, 683299	4.1	0
321	A Current Limiting Method for Single-Loop Voltage-Magnitude Controlled Grid-Forming Converters During Symmetrical Faults. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	8
320	A DQ-Frame Asymmetrical Virtual Impedance Control for Enhancing Transient Stability of Grid-Forming Inverters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	5
319	Line Voltage Sensorless Control of Grid-Connected Inverters Using Multisampling. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	5
318	A Heteromodal Word-Meaning Binding Site in the Visual Word Form Area under Top-Down Frontoparietal Control. <i>Journal of Neuroscience</i> , 2021 , 41, 3854-3869	6.6	1
317	A concordance study determining language dominance between navigated transcranial magnetic stimulation and the Wada test in patients with drug-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2021 , 117, 107711	3.2	0
316	Frequency security constrained control of power electronic-based generation systems. <i>IET Renewable Power Generation</i> , 2021 , 15, 2246-2256	2.9	1
315	Predictors and Long-term Outcome of Resective Epilepsy Surgery in Patients with Tuberous Sclerosis Complex: A Single-centre Retrospective Cohort Study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 88, 45-52	3.2	3
314	Transient Stability of Single-Loop Voltage-Magnitude Controlled Grid-Forming Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6158-6162	7.2	14
313	Robustness Assessment of the EMI Filter in a Three-Level Inverter 2021 ,		1
312	Multisampling Control of Two-Cell Interleaved Three-phase Grid-connected Converters 2021 ,		2
311	Fuzzy-based frequency security evaluation of wind-integrated power systems. <i>IET Energy Systems Integration</i> , 2021 , 3, 451	3.3	0
310	Improved DC-Link Voltage Regulation Strategy for Grid-Connected Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 4977-4987	8.9	22
309	Long-term efficacy and cognitive effects of bilateral hippocampal deep brain stimulation in patients with drug-resistant temporal lobe epilepsy. <i>Neurological Sciences</i> , 2021 , 42, 225-233	3.5	4
308	Reduced-Order and Aggregated Modeling of Large-Signal Synchronization Stability for Multiconverter Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 3150-3165	5.6	12

307	Artificial Neural Network Based Identification of Multi-Operating-Point Impedance Model. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1231-1235	7.2	11
306	DQ-Frame Impedance Measurement of Three-Phase Converters Using Time-Domain MIMO Parametric Identification. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2131-2142	7.2	15
305	Physics-Based Modeling of Parasitic Capacitance in Medium-Voltage Filter Inductors. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 829-843	7.2	13
304	Behavioral Modeling and Analysis of Ground Current in Medium-Voltage Inductors. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1236-1241	7.2	3
303	Frequency-Domain Modal Analysis for Power-Electronic-Based Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4910-4914	7.2	3
302	Investigation of Switching Oscillations for Silicon Carbide MOSFETs in Three-Level Active Neutral-Point-Clamped Inverters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 4839-4853	5.6	3
301	Parasitic Capacitance Modeling of Inductors Without Using the Floating Voltage Potential of Core. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
300	Power system operation with power electronic inverter-dominated microgrids 2021 , 259-274		0
299	Aliasing Suppression of Multi-sampled Current Controlled LCL-Filtered Inverters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	8
298	Generic PLL-Based Grid-Forming Control. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	5
297	Control Interaction Modeling and Analysis of Grid-Forming Battery Energy Storage System for Offshore Wind Power Plant. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	6
296	Stability and robustness improvement of power converters 2021 , 303-337		
295	Influence of phase-locked loop aggregation on the dynamic aggregation of wind farm strings with heterogeneous parameters. <i>IET Energy Systems Integration</i> , 2021 , 3, 99-108	3.3	0
294	Distributed Privacy-Preserving Active Power Sharing and Frequency Regulation in Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3665-3668	10.7	5
293	Interactions Between Two Phase-Locked Loop Synchronized Grid Converters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3935-3947	4.3	2
292	Parasitic Capacitance Modeling of Copper-Foiled Medium-Voltage Filter Inductors Considering Fringe Electrical Field. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8181-8192	7.2	6
291	Passivity-Based Dual-Loop Vector Voltage and Current Control for Grid-Forming VSCs. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8647-8652	7.2	3
290	Prognostic value of histopathologic pattern for long-term surgical outcomes of 198 patients with confirmed mesial temporal lobe epilepsy. <i>Human Pathology</i> , 2021 , 115, 47-55	3.7	1

289	Comparative Effectiveness of Stereotactic Electroencephalography Versus Subdural Grids in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021 , 90, 927-939	9.4	9
288	Genetic variations of adenosine kinase as predictable biomarkers of efficacy of vagus nerve stimulation in patients with pharmaco-resistant epilepsy. <i>Journal of Neurosurgery</i> , 2021 , 1-10	3.2	2
287	A Universal Controller for Grid-Connected Voltage-Source Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 5761-5770	5.6	12
286	Admittance-Dissipativity Analysis and Shaping of Dual-Sequence Current Control for VSCs. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	2
285	A Lyapunov-Based Nonlinear Power Control Algorithm for Grid-Connected VSCs. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
284	Rethinking Current Controller Design for PLL-Synchronized VSCs in Weak Grids. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	9
283	Grid-Forming Converters: Control Approaches, Grid-Synchronization, and Future Trends—A Review. <i>IEEE Open Journal of Industry Applications</i> , 2021 , 2, 93-109	4.7	57
282	Small-Signal Modeling of AC Power Electronic Systems: Critical Review and Unified Modeling. <i>IEEE Open Journal of Power Electronics</i> , 2021 , 2, 424-439	2.5	6
281	Design of Multifrequency Proportional-Resonant Current Controllers for Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13573-13589	7.2	11
280	Virtual-Flux-Based Passivation of Current Control for Grid-Connected VSCs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12673-12677	7.2	9
279	Reflection Coefficient Stability Criterion for Multi-Bus Multi-VSC Power Systems. <i>IEEE Access</i> , 2020 , 8, 111186-111199	3.5	2
278	The role of adenosine A1 receptor agonist in adenosine augmentation therapy for patients with refractory epilepsy in Sturge-Weber syndrome: An in vitro electrophysiological study. <i>Epilepsy and Behavior</i> , 2020 , 106, 107034	3.2	2
277	Passivity-Based Analysis and Design of Linear Voltage Controllers For Voltage-Source Converters. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2020 , 1, 114-126	3.6	17
276	Critical Review of Mitigation Solutions for SSO in Modern Transmission Grids. <i>Energies</i> , 2020 , 13, 3449	3.1	5
275	Asymmetric Complex-Vector Models With Application to VSC Grid Interaction. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1911-1921	5.6	10
274	A Mode-Adaptive Power-Angle Control Method for Transient Stability Enhancement of Virtual Synchronous Generators. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1034-1049	5.6	4 ²
273	Stationary-Frame Complex-Valued Frequency-Domain Modeling of Three-Phase Power Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1922-1933	5.6	19
272	Complex-Valued Multifrequency Admittance Model of Three-Phase VSCs in Unbalanced Grids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1934-1946	5.6	20

271	Unified Modular State-Space Modeling of Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9700-9715	7.2	27
270	Voltage Stability and Transient Symmetrical Fault Current Control of Voltage-Controlled MMCs. <i>IEEE Transactions on Power Delivery</i> , 2020 , 35, 2506-2516	4.3	4
269	Thermal Characterization of Silicon Carbide MOSFET Module Suitable for High-Temperature Computationally Efficient Thermal-Profile Prediction. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	5
268	Scalable State-Space Model of Voltage Source Converter for Low-Frequency Stability Analysis 2020 ,		1
267	A Voltage-Droop-free Reactive Power Sharing Solution in Microgrids 2020 ,		1
266	Passivity-Based Harmonic Stability Analysis of Voltage Source Converters Considering the Impact of Sequence Decomposition Algorithms 2020 ,		1
265	Multi-Frequency State-Space Model of MMC-HVDC System for Design-Oriented Stability Analysis 2020 ,		2
264	Multisampling Control of LCL-type Grid-connected Inverter with an Improved Repetitive Filter 2020 ,		1
263	Grid-forming converters: an overview of control approaches and future trends 2020 ,		16
262	Current Harmonic Analysis of Multisampled LCLType Grid-connected Inverter 2020 ,		1
261	State-feedback-based Low-Frequency Active Damping for VSC Operating in Weak-Grid Conditions 2020 ,		1
260	Switching Harmonics Suppression of Single-loop Multi-sampling Control of Grid-connected Inverter 2020 ,		1
259	Assessment accuracy of power system frequency security with additional frequency controls in wind turbines. <i>IET Renewable Power Generation</i> , 2020 , 14, 3439-3447	2.9	
258	Long-term efficacy and cognitive effects of voltage-based deep brain stimulation for drug-resistant essential tremor. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 194, 105940	2	1
257	Design-Oriented Transient Stability Analysis of PLL-Synchronized Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3573-3589	7.2	102
256	Impedance-Based Stability Analysis for Interconnected Converter Systems With Open-Loop RHP Poles. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4388-4397	7.2	39
255	Multisampling Method for Single-Phase Grid-Connected Cascaded H-Bridge Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8322-8334	8.9	17
254	Dynamic Impact of Zero-Sequence Circulating Current on Modular Multilevel Converters: Complex-Valued AC Impedance Modeling and Analysis. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1947-1963	5.6	25

253	The impact of MEG results on surgical outcomes in patients with drug-resistant epilepsy associated with focal encephalomalacia: a single-center experience. <i>Journal of Neurology</i> , 2020 , 267, 812-822	5.5	1
252	Behavioral Modeling of Ground Current in Filter Inductors of Medium-Voltage SiC-MOSFET-Based Converters 2020 ,		1
251	Modeling of Converter Synchronization Stability under Grid Faults: The General Case. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	10
250	PLL Synchronization Stability Analysis of MMC-Connected Wind Farms Under High-Impedance AC Faults. <i>IEEE Transactions on Power Systems</i> , 2020 , 1-1	7	7
249	Comparisons of the seizure-free outcome and visual field deficits between anterior temporal lobectomy and selective amygdalohippocampectomy: A systematic review and meta-analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 81, 228-235	3.2	6
248	Grid-Synchronization Stability of Converter-Based Resources: An Overview. <i>IEEE Open Journal of Industry Applications</i> , 2020 , 1, 115-134	4.7	93
247	Loop-at-a-Time Stability Analysis for Grid-Connected Voltage-Source Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	5
246	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1473-1483	7.2	41
245	Impedance-Based Stability Analysis of Voltage-Controlled MMCs Feeding Linear AC Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 4060-4074	5.6	34
244	Real-Time Calculation Method for Single-Phase Cascaded H-Bridge Inverters Based on Phase-Shifted Carrier Pulsewidth Modulation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 977-987	7.2	9
243	Transient Stability of Voltage-Source Converters With Grid-Forming Control: A Design-Oriented Study. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1019-1033	5.6	101
242	Current Limiting Control With Enhanced Dynamics of Grid-Forming Converters During Fault Conditions. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1062-1073	5.6	71
241	Current Reference Generation Based on Next-Generation Grid Code Requirements of Grid-Tied Converters During Asymmetrical Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3784-3797	5.6	30
240	Two-Port Network Modeling and Stability Analysis of Grid-Connected Current-Controlled VSCs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3519-3529	7.2	8
239	Accurate Open-Loop Impedance Model of Single-Phase Voltage Source Inverter (VSI) Considering the Dead-Time Effects 2019 ,		2
238	An Efficient Reduced-Order Model for Studying Synchronization Stability of Grid-Following Converters during Grid Faults 2019 ,		19
237	Impact of Nonlinear Dynamics on Converter DQ Impedance Measurement 2019 ,		2
236	Robust Fault Ride Through of Converter-Based Generation During Severe Faults With Phase Jumps. <i>IEEE Transactions on Industry Applications</i> , 2019 , 1-1	4.3	2

235	An Overview of Assessment Methods for Synchronization Stability of Grid-Connected Converters Under Severe Symmetrical Grid Faults. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9655-9670	7.2	109
234	Reliability Assessment of Hybrid Capacitor Bank Using Electrolytic- and Film-Capacitors in Three-Level Neutral-Point-Clamped Inverters 2019 ,		4
233	Harmonic Transfer-Function Model of Three-Phase Synchronous Reference Frame PLL under Unbalanced Grid Conditions 2019 ,		4
232	The Impact of PLL Dynamics on the Low Inertia Power Grid: A Case Study of Bonaire Island Power System. <i>Energies</i> , 2019 , 12, 1259	3.1	11
231	Globus Pallidus Internus Electric High-Frequency Stimulation Modulates Dopaminergic Activity in the Striatum of a Rat Model of Tourette Syndrome. <i>World Neurosurgery</i> , 2019 , 127, e881-e887	2.1	1
230	A Carrier Synchronization Method for Global Synchronous Pulsewidth Modulation Application Using Phase-Locked Loop. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10720-10732	7.2	11
229	Voltage-Modulated Direct Power Control for a Weak Grid-Connected Voltage Source Inverters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11383-11395	7.2	45
228	SISO Transfer Functions for Stability Analysis of Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2931-2941	4.3	26
227	Impedance-Based Analysis of DC-Link Voltage Dynamics in Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3973-3985	7.2	66
226	Principle and Robust Impedance-Based Design of Grid-tied Inverter with LLCL-Filter under Wide Variation of Grid-Reactance. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4362-4374	7.2	22
225	Review of Small-Signal Modeling Methods Including Frequency-Coupling Dynamics of Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3313-3328	7.2	35
224	Stability Analysis of Multi-Paralleled VSCs with Mismatched Parameters 2019 ,		1
223	Identification of the DQ Impedance Model for Three-Phase Power Converter Considering the Coupling Effect of the Grid Impedance 2019 ,		3
222	Control of Grid-Connected Voltage-Source Converters: The Relationship Between Direct-Power Control and Vector-Current Control. <i>IEEE Industrial Electronics Magazine</i> , 2019 , 13, 31-40	6.2	43
221	Harmonic compensation capability-based coordinated control for hybrid wind farms under distorted grid voltage conditions. <i>IET Renewable Power Generation</i> , 2019 , 13, 1603-1614	2.9	5
220	Sub-Synchronous Control Interaction in Grid-Forming VSCs with Droop Control 2019 ,		11
219	Near-Synchronous Resonance Interaction of Paralleled Grid-forming Converters in Islanded Operation 2019 ,		3
218	Modeling and Design of a 1.2 pF Common-Mode Capacitance Transformer for Powering MV SiC MOSFETs Gate Drivers 2019 ,		2

217	Transient Stability Analysis of Droop-Controlled Grid-Connected Converters With Inertia Emulating Low-Pass Filters 2019 ,		6
216	Analysis of linear Phase-Locked Loops in Grid-Connected Power Converters 2019 ,		1
215	Systematic Approach for Transient Stability Evaluation of Grid-Tied Converters during Power System Faults 2019 ,		18
214	Evaluation of Voltage Regulators for Dual-Loop Control of Voltage-Controlled VSCs 2019 ,		12
213	Transient Stability Impact of Reactive Power Control on Grid-Connected Converters 2019 ,		9
212	Passivity Analysis and Enhancement of Voltage Control for Voltage-Source Converters 2019 ,		3
211	Overview of Multisampling Techniques in Power Electronics Converters 2019 ,		7
210	Impact Analysis and Mitigation of Synchronization Dynamics for DQ Impedance Measurement. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8797-8807	7.2	18
209	Passivation of Current-Controlled Grid-Connected VSCs Using Passivity Indices. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8971-8980	8.9	14
208	Multitask Fuzzy Secondary Controller for AC Microgrid Operating in Stand-Alone and Grid-Tied Mode. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5640-5649	10.7	8
207	Frequency-coupled admittance modelling of grid-connected voltage source converters for the stability evaluation of subsynchronous interaction. <i>IET Renewable Power Generation</i> , 2019 , 13, 285-295	2.9	30
206	Vector Current Control Derived from Direct Power Control for Grid-Connected Inverters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9224-9235	7.2	42
205	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8104-8117	7.2	34
204	Design-Oriented Transient Stability Analysis of Grid-Connected Converters With Power Synchronization Control. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6473-6482	8.9	97
203	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2792-2799	4.3	5
202	Adaptive Reactive Power Control of PV Power Plants for Improved Power Transfer Capability Under Ultra-Weak Grid Conditions. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1269-1279	10.7	54
201	Harmonic Stability in Power Electronic-Based Power Systems: Concept, Modeling, and Analysis. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2858-2870	10.7	358
200	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4627-4642	7.2	76

199	Low-Complexity Model Predictive Control of Single-Phase Three-Level Rectifiers With Unbalanced Load. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8936-8947	7.2	10
198	On Stability of Voltage Source Inverters in Weak Grids. <i>IEEE Access</i> , 2018 , 6, 4427-4439	3.5	85
197	Accuracy Analysis of the Zero-Order Hold Model for Digital Pulse Width Modulation. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10826-10834	7.2	24
196	A Practical Core Loss Model for Filter Inductors of Power Electronic Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 29-39	5.6	23
195	Harmonic Analysis and Mitigation of Low-Frequency Switching Voltage Source Inverter With Auxiliary VSI. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1355-1365	5.6	9
194	Impedance-Based Harmonic Instability Assessment in a Multiple Electric Trains and Traction Network Interaction System. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5083-5096	4.3	40
193	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4643-4659	7.2	45
192	A Highly Robust Single-Loop Current Control Scheme for Grid-Connected Inverter With an Improved LCCL Filter Configuration. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8474-8487	7.2	28
191	Real-time calculation method for single-phase multilevel converters based on phase-shifted carrier pulsewidth modulation 2018 ,		2
190	Bus Participation Factor Analysis for Harmonic Instability in Power Electronics Based Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10341-10351	7.2	26
189	Unified Impedance Model of Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1775-1787	7.2	337
188	Small-Signal Stability Analysis of Inverter-Fed Power Systems Using Component Connection Method. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5301-5310	10.7	62
187	Graphical Evaluation of Time-Delay Compensation Techniques for Digitally Controlled Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2601-2614	7.2	48
186	Harmonic Stability and Resonance Analysis in Large PMSG-Based Wind Power Plants. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 12-23	8.2	61
185	A Grid-Voltage-Sensorless Resistive-Active Power Filter With Series LC-Filter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4429-4440	7.2	22
184	Sideband Harmonic Instability of Paralleled Inverters With Asynchronous Carriers. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4571-4577	7.2	28
183	Grid Synchronization With Selective Harmonic Detection Based on Generalized Delayed Signal Superposition. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3938-3949	7.2	17
182	Reducing Harmonic Instability and Resonance Problems in PMSG-Based Wind Farms. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 73-83	5.6	12

181	Influence of Paralleling Dies and Paralleling Half-Bridges on Transient Current Distribution in Multichip Power Modules. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6483-6487	7.2	38
180	Robust Admittance Shaping Approach to Grid Current Harmonic Attenuation and Resonance Damping. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5039-5053	4.3	6
179	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5377-5386	4.3	5
178	A Temperature-dependent Thermal Model of Silicon Carbide MOSFET Module for Long-term Reliability Assessment 2018 ,		3
177	Influence of Reactive Power Flow on the DC-Link Voltage Control in Voltage-Source Converters 2018 ,		6
176	Fast Power Control for VSCs to Enhance the Synchronization Stability in Ultra-Weak Grids 2018 ,		3
175	Model-Based Control Design of Series Resonant Converter Based on the Discrete Time Domain Modelling Approach for DC Wind Turbine. <i>Journal of Renewable Energy</i> , 2018 , 2018, 1-18	1.4	3
174	Passivity-based LCL Filter Design of Grid-Connected VSCs with Converter Side Current Feedback 2018 ,		1
173	An Adaptive Phase-Locked Loop for the Transient Stability Enhancement of Grid-Connected Voltage Source Converters 2018 ,		13
172	Parametric Identification of DQ Impedance Model for Three-Phase Voltage-Source Converters 2018 ,		2
171	Grid Synchronization of Wind Turbines during Severe Symmetrical Faults with Phase Jumps 2018 ,		7
170	Impact of Synchronization Phase Dynamics on DQ Impedance Measurement 2018 ,		5
169	General Rules of Using Bode Plots for Impedance-Based Stability Analysis 2018 ,		9
168	Transient Stability Impact of the Phase-Locked Loop on Grid-Connected Voltage Source Converters 2018 ,		28
167	SISO Transfer Functions for Stability Analysis of Grid-Connected Voltage-Source Converters 2018 ,		3
166	Investigation on the AC/DC Interactions in Voltage-Source Rectifiers and Current-Source Rectifiers 2018 ,		2
165	AC Impedance Modeling of Modular Multilevel Converters and Two-Level Voltage-Source Converters: Similarities and Differences 2018 ,		21
164	Complex-Vector PLL for Enhanced Synchronization with Weak Power Grids 2018 ,		5

163	Harmonic Susceptibility Study of DC Collection Network Based on Frequency Scan and Discrete Time-Domain Modelling Approach. <i>Journal of Electrical and Computer Engineering</i> , 2018 , 2018, 1-25	1.9	
162	Transient angle stability analysis of grid-connected converters with the first-order active power loop 2018 ,		16
161	Impedance Measurement of Traction Network and Electric Train for Stability Analysis in High-Speed Railways. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10086-10100	7.2	33
160	A Passivity-Based Stability Analysis of the Active Damping Technique in the Offshore Wind Farm Applications. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5074-5082	4.3	26
159	Frequency-Domain Modeling and Simulation of DC Power Electronic Systems Using Harmonic State Space Method. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1044-1055	7.2	20
158	Improved Power Decoupling Scheme for a Single-Phase Grid-Connected Differential Inverter With Realistic Mismatch in Storage Capacitances. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 186-199	7.2	35
157	Resonance Interaction of Multiparallel Grid-Connected Inverters With LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 894-899	7.2	90
156	A Comprehensive Design Approach of Power Electronic-Based Distributed Generation Units Focused on Power-Quality Improvement. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 942-950	4.3	18
155	Grid-Current-Feedback Control for LCL-Filtered Grid Converters With Enhanced Stability. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3216-3228	7.2	113
154	Passivity Enhancement of Grid-Tied Converters by Series LC-Filtered Active Damper. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 369-379	8.9	31
153	High-Frequency Resonance Damping of DFIG-Based Wind Power System Under Weak Network. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1927-1940	7.2	38
152	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 838-847	8.9	36
151	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3536-3548	7.2	50
150	Effects of Auxiliary-Source Connections in Multichip Power Module. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7816-7823	7.2	18
149	Microstructure characterization and HCF fracture mode transition for modified 9Cr-1Mo dissimilarly welded joint at different elevated temperatures. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 1610-1620	9.1	12
148	Stability Analysis and Controller Synthesis for Single-Loop Voltage-Controlled VSIs. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7394-7404	7.2	69
147	An Active Trap Filter for Switching Harmonic Attenuation of Low-Pulse-Ratio Inverters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 9078-9092	7.2	7
146	Modeling of VSC-Based Power Systems in the Extended Harmonic Domain. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 5907-5916	7.2	19

145	Impedance Analysis of SOGI-FLL-Based Grid Synchronization. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7409-7413	7.2	56
144	VSC Input-Admittance Modeling and Analysis Above the Nyquist Frequency for Passivity-Based Stability Assessment. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6362-6370	8.9	97
143	Distributed Power-Generation Systems and Protection. <i>Proceedings of the IEEE</i> , 2017 , 105, 1311-1331	14.3	229
142	A robust grid current controller with grid harmonic and filter resonance damping capabilities using a closed-loop admittance shaping 2017 ,		1
141	Harmonic analysis and mitigation of low-frequency switching voltage source inverter with series LC filtered VSI 2017 ,		2
140	Linearized Modeling Methods of ACDC Converters for an Accurate Frequency Response. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 5, 1526-1541	5.6	17
139	Passivity Enhancement in Renewable Energy Source Based Power Plant With Paralleled Grid-Connected VSIs. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3793-3802	4.3	33
138	Passivity-Based Stability Analysis and Damping Injection for Multiparalleled VSCs with LCL Filters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8922-8935	7.2	107
137	A Robust DC-Split-Capacitor Power Decoupling Scheme for Single-Phase Converter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8419-8433	7.2	22
136	Harmonic Interaction Analysis in a Grid-Connected Converter Using Harmonic State-Space (HSS) Modeling. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6823-6835	7.2	61
135	Small signal modeling of wind farms 2017 ,		4
134	Improved delayed signal cancellation-based SRF-PLL for unbalanced grid 2017 ,		8
133	Anti-epileptic effect of ifenprodil on neocortical pyramidal neurons in patients with malformations of cortical development. <i>Experimental and Therapeutic Medicine</i> , 2017 , 14, 5757-5766	2.1	4
132	Upregulation of Neuronal Adenosine A1 Receptor in Human Rasmussen Encephalitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017 , 76, 720-731	3.1	10
131	Stability analysis of direct current control in current source rectifier 2017 ,		2
130	Frequency scanning-based stability analysis method for grid-connected inverter system 2017 ,		4
129	Harmonic resonance assessment of multiple paralleled grid-connected inverters system 2017 ,		4
128	Dynamic resonance sensitivity analysis in wind farms 2017 ,		2

127	Harmonic Instability Assessment Using State-Space Modeling and Participation Analysis in Inverter-Fed Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 806-816	8.9	117
126	An Enhanced Dual Droop Control Scheme for Resilient Active Power Sharing Among Paralleled Two-Stage Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6091-6104	7.2	19
125	Distributed Optimal Control of Reactive Power and Voltage in Islanded Microgrids. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 340-349	4.3	44
124	Analysis and Active Damping of Multiple High Frequency Resonances in DFIG System. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 369-381	5.4	20
123	Doubly Fed Induction Generator System Resonance Active Damping Through Stator Virtual Impedance. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 125-137	8.9	18
122	Harmonic current control for LCL-filtered VSCs connected to ultra-weak grids 2017 ,		7
121	Investigation of the sideband effect for the LCL-type grid-connected inverter with high LCL resonance frequency 2017 ,		4
120	Comparative analysis about dynamic performances of grid synchronization schemes 2017 ,		2
119	Adaptive reactive power control of PV power plants for improved power transfer capability under ultra-weak grid conditions 2017 ,		3
118	A grid-voltage-sensorless resistive active power filter with series LC-filter 2017 ,		2
117	Active DaMPing control methods for three-phase slim DC-link drive system 2017 ,		3
116	Harmonic stability analysis of offshore wind farm with component connection method 2017 ,		5
115	Real-time impedance-based stability assessment of grid converter interactions 2017 ,		11
114	Suppression of synchronous resonance for VSGs. <i>Journal of Engineering</i> , 2017 , 2017, 2574-2579	0.7	16
113	Harmonic instability source identification in large wind farms 2017 ,		2
112	A Numerical Matrix-Based Method for Stability and Power Quality Studies Based on Harmonic Transfer Functions. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 5, 1542-1552 ^{5,6}		7
111	LLCL-Filtered Grid Converter With Improved Stability and Robustness. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3958-3967	7.2	47
110	Highly Accurate Derivatives for LCL-Filtered Grid Converter With Capacitor Voltage Active Damping. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3612-3625	7.2	128

109	Optimal Design of High-Order Passive-Damped Filters for Grid-Connected Applications. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2083-2098	7.2	140
108	Active Damping of LLCL-Filter Resonance Based on LC-Trap Voltage or Current Feedback. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2337-2346	7.2	23
107	Grid-Current-Feedback Active Damping for LCL Resonance in Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 213-223	7.2	215
106	Efficient approach for harmonic resonance identification of large Wind Power Plants 2016 ,		9
105	Multi-objective optimization of large wind farm parameters for harmonic instability and resonance conditions 2016 ,		5
104	Comparison of LTI and LTP models for stability analysis of grid converters 2016 ,		4
103	. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4188-4200	4.3	45
102	A Novel DBC Layout for Current Imbalance Mitigation in SiC MOSFET Multichip Power Modules. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 8042-8045	7.2	53
101	2016 ,		7
100	Three-phase multiple harmonic sequence detection based on Generalized Delayed Signal Superposition 2016 ,		1
99	Droop Control With Improved Disturbance Adaption for a PV System With Two Power Conversion Stages. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6073-6085	8.9	38
98	Evaluation of core loss in magnetic materials employed in utility grid AC filters 2016 ,		7
97	An Improved Second-Order Generalized Integrator Based Quadrature Signal Generator. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 8068-8073	7.2	138
96	A Review of Passive Power Filters for Three-Phase Grid-Connected Voltage-Source Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 54-69	5.6	214
95	Control Strategy for Single-Phase Transformerless Three-Leg Unified Power Quality Conditioner Based on Space Vector Modulation. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2840-2849	7.2	44
94	Influences of Device and Circuit Mismatches on Paralleling Silicon Carbide MOSFETs. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 621-634	7.2	112
93	Passivity-Based Stability Assessment of Grid-Connected VSCs: An Overview. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 116-125	5.6	312
92	A novel DBC layout for current imbalance mitigation in SiC MOSFET multichip power modules 2016 ,		1

91	Effects of auxiliary source connections in multichip power module 2016,		4
90	Modeling and identification of harmonic instability problems in wind farms 2016,		11
89	A unified impedance model of voltage-source converters with phase-locked loop effect 2016,		19
88	Extended stable boundary of LCL-filtered grid-connected inverter based on an improved grid-voltage feedforward control 2016,		2
87	Analysis and comparison of high frequency resonance in small and large scale DFIG system 2016,		2
86	Interaction admittance based modeling of multi-paralleled grid-connected inverter with LCL-filter 2016,		5
85	Harmonic stability analysis of inverter-fed power systems using Component Connection Method 2016,		3
84	Fuzzy secondary controller for autonomous stand-alone and grid-connected AC microgrid 2016,		2
83	Robust power decoupling control scheme for DC side split decoupling capacitor circuit with mismatched capacitance in single phase system 2016,		2
82	Passivity enhancement in RES based power plant with paralleled grid-connected inverters 2016,		2
81	State-space-based harmonic stability analysis for paralleled grid-connected inverters 2016,		5
80	Analysis of harmonics suppression by active damping control on multi slim dc-link drives 2016,		5
79	Couplings in Phase Domain Impedance Modeling of Grid-Connected Converters. <i>IEEE Transactions on Power Electronics</i> , 2016 , 1-1	7.2	131
78	Stability analysis and controller synthesis for digital single-loop voltage-controlled inverters 2016,		1
77	Four new applications of Second-Order Generalized Integrator Quadrature Signal Generator 2016,		4
76	Harmonic Stability Assessment for Multiparalleled, Grid-Connected Inverters. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1388-1397	8.2	66
75	Distributed optimal control of reactive power and voltage in islanded microgrids 2016,		5
74	Robust active damping control of LCL filtered grid connected converter based active disturbance rejection control 2016,		6

73	Small-signal model of a decoupled double synchronous reference frame current controller 2016,		2
72	2015,		1
71	Realization of Digital Differentiator Using Generalized Integrator For Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6520-6523	7.2	40
70	Harmonic interaction analysis in grid connected converter using Harmonic State Space (HSS) modeling 2015,		11
69	Active damping of LLCL-filter resonance based on LC-trap voltage and capacitor current feedback 2015,		6
68	Design of LLCL-filter for grid-connected converter to improve stability and robustness 2015,		5
67	Stabilization of multiple unstable modes for small-scale inverter-based power systems with impedance-based stability analysis 2015,		1
66	Regional modeling approach for analyzing harmonic stability in radial power electronics based power system 2015,		11
65	The influence of phase-locked loop on the stability of single-phase grid-connected inverter 2015,		27
64	Design of the LC + trap filter for a current source rectifier 2015,		3
63	High-performance feedback-type active damping of LCL-filtered voltage source converters 2015,		11
62	Interaction and aggregated modeling of multiple paralleled inverters with LCL filter 2015,		13
61	Passivity-based design of passive damping for LCL-filtered voltage source converters 2015,		7
60	Site selection of active damper for stabilizing power electronics based power distribution system 2015,		2
59	Benchmarking of small-signal dynamics of single-phase PLLs 2015,		3
58	Modeling and simulation of DC power electronics systems using Harmonic State Space (HSS) method 2015,		2
57	An analysis method for harmonic resonance and stability of multi-paralleled LCL-filtered inverters 2015,		12
56	A unified active damping control for single-phase differential mode buck inverter with LCL-filter 2015,		15

55	Analysis of phase-locked loop influence on the stability of single-phase grid-connected inverter 2015,		26
54	An active trap filter for high-power voltage source converters 2015,		2
53	A unified grid current control for grid-interactive DG inverters in microgrids 2015,		2
52	Power decoupling method for single phase differential buck converter 2015,		8
51	LC-filter resonance cancellation with DPWM inverters in adjustable speed drives 2015,		1
50	A Series-LC-Filtered Active Damper With Grid Disturbance Rejection for AC Power-Electronics-Based Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 4037-4041	7.2	52
49	An Estimator-Based Distributed Voltage-Predictive Control Strategy for AC Islanded Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3934-3951	7.2	73
48	Virtual RC Damping of LCL-Filtered Voltage Source Converters With Extended Selective Harmonic Compensation. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 4726-4737	7.2	168
47	Stability Analysis and Active Damping for LLCL-Filter-Based Grid-Connected Inverters. <i>IEEJ Journal of Industry Applications</i> , 2015 , 4, 187-195	0.7	8
46	Passivity enhancement of grid-tied converter by series LC-filtered active damper 2015,		4
45	Power electronics - the key technology for renewable energy system integration 2015,		49
44	Eigenvalue-based harmonic stability analysis method in inverter-fed power systems 2015,		4
43	Power decoupling with autonomous reference generation for single-phase differential inverters 2015,		12
42	Enhanced stability of capacitor-current feedback active damping for LCL-filtered grid converters 2015,		1
41	Analysis of harmonic coupling and stability in back-to-back converter systems for wind turbines using Harmonic State Space (HSS) 2015,		2
40	The modeling and harmonic coupling analysis of multiple-parallel connected inverter using Harmonic State Space (HSS) 2015,		4
39	Harmonic instability analysis of single-phase grid connected converter using Harmonic State Space (HSS) modeling method 2015,		5
38	Influence of modulation method on using LC-traps with single-phase voltage source inverters 2015,		2

37	Virtual-Impedance-Based Control for Voltage-Source and Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 7019-7037	7.2	277
36	. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3318-3329	7.2	213
35	A Robust Passive Damping Method for LLCL-Filter-Based Grid-Tied Inverters to Minimize the Effect of Grid Harmonic Voltages. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3279-3289	7.2	107
34	Modeling and Analysis of Harmonic Stability in an AC Power-Electronics-Based Power System. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6421-6432	7.2	452
33	SiC MOSFETs based split output half bridge inverter: Current commutation mechanism and efficiency analysis 2014 ,		8
32	2014 ,		6
31	An impedance-based stability analysis method for paralleled voltage source converters 2014 ,		36
30	Impedance based analysis and design of harmonic resonant controller for a wide range of grid impedance 2014 ,		2
29	Comparative analysis of the selective resonant LCL and LCL plus trap filters 2014 ,		3
28	A review of passive filters for grid-connected voltage source converters 2014 ,		40
27	An active damper to suppress multiple resonances with unknown frequencies 2014 ,		14
26	Design-oriented analysis of resonance damping and harmonic compensation for LCL-filtered voltage source converters 2014 ,		4
25	Proportional derivative based stabilizing control of paralleled grid converters with cables in renewable power plants 2014 ,		15
24	Harmonic stability assessment for multi-paralleled, grid-connected inverters 2014 ,		9
23	LC filter design for wide band gap device based adjustable speed drives 2014 ,		2
22	Comparative evaluation of passive damping topologies for parallel grid-connected converters with LCL filters 2014 ,		13
21	New optimal design method for trap damping sections in grid-connected LCL filters 2014 ,		4
20	Resonant-inductor-voltage-feedback active damping based control for grid-connected inverters with LLCL-filters 2014 ,		7

19	Analysis and design of grid-current-feedback active damping for LCL resonance in grid-connected voltage source converters 2014 ,		16
18	Kalman-Filter-Based State Estimation for System Information Exchange in a Multi-bus Islanded Microgrid 2014 ,		3
17	. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 452-461	4.3	146
16	Active Harmonic Filtering Using Current-Controlled, Grid-Connected DG Units With Closed-Loop Power Control. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 642-653	7.2	147
15	An improved current control scheme for grid-connected DG unit based distribution system harmonic compensation 2013 ,		3
14	A hybrid damping method for LLCL-filter based grid-tied inverter with a digital filter and an RC parallel passive damper 2013 ,		5
13	An active damper for stabilizing power electronics-based AC systems 2013 ,		5
12	Modeling and analysis of harmonic resonance in a power electronics based AC power system 2013 ,		7
11	Resonance analysis in parallel voltage-controlled Distributed Generation inverters 2013 ,		21
10	Synthesis of Variable Harmonic Impedance in Inverter-Interfaced Distributed Generation Unit for Harmonic Damping Throughout a Distribution Network. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 1407-1417	4.3	50
9	Synthesis of variable harmonic impedance in inverter-interfaced distributed generation unit for harmonic damping throughout a distribution network 2012 ,		1
8	Autonomous control of inverter-interfaced Distributed Generation units for harmonic current filtering and resonance damping in an islanded microgrid 2012 ,		3
7	An improved design of virtual output impedance loop for droop-controlled parallel three-phase voltage source inverters 2012 ,		12
6	A Review of Power Electronics Based Microgrids. <i>Journal of Power Electronics</i> , 2012 , 12, 181-192	0.9	93
5	A centralized control architecture for harmonic voltage suppression in islanded microgrids 2011 ,		13
4	Secondary voltage control for harmonics suppression in islanded microgrids 2011 ,		14
3	A laboratory grid simulator based on three-phase four-leg inverter: Design and implementation 2011 ,		8
2	Control of grid interactive AC microgrids 2010 ,		16

1	Distributed energy resources in grid interactive AC microgrids 2010 ,	23
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