

Wilsun Xu

List of Publications by Year in descending order

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192
papers

6,513
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66250

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192
all docs

192
docs citations

192
times ranked

4770
citing authors

#	ARTICLE	IF	CITATIONS
1	An Online Method for Monitoring Substation Grounding Grid Impedances”Part II: Verifications and Applications. IEEE Transactions on Power Delivery, 2022, 37, 2533-2542.	2.9	0
2	Synchronized Waveforms ” A Frontier of Data-Based Power System and Apparatus Monitoring, Protection, and Control. IEEE Transactions on Power Delivery, 2022, 37, 3-17.	2.9	27
3	Adaptive Damping ” An Improved Resonance Mitigation Scheme for Shunt Capacitors. IEEE Transactions on Power Delivery, 2022, 37, 755-764.	2.9	4
4	An Improved Model of Voltage Source Converters for Power System Harmonic Studies. IEEE Transactions on Power Delivery, 2022, 37, 3051-3061.	2.9	9
5	A Comprehensive Investigation On the Selection of High-Pass Harmonic Filters. IEEE Transactions on Power Delivery, 2022, 37, 4212-4226.	2.9	20
6	Modeling Voltage Source Converters for Harmonic Power Flow Studies. IEEE Transactions on Power Delivery, 2021, 36, 3426-3437.	2.9	15
7	A 3rd Harmonic Power Based Open Conductor Detection Scheme. IEEE Transactions on Power Delivery, 2021, 36, 1041-1050.	2.9	1
8	Adaptive Contactor ” A New Scheme to Improve Induction Motor Immunity to Voltage Sags. IEEE Transactions on Power Delivery, 2021, 36, 3360-3370.	2.9	4
9	Event-Triggered Approach to Dynamic State Estimation of a Synchronous Machine Using Cubature Kalman Filter. IEEE Transactions on Control Systems Technology, 2020, 28, 2013-2020.	3.2	19
10	Identifying and Ranking Sources of SSR Based on the Concept of Subsynchronous Power. IEEE Transactions on Power Delivery, 2020, 35, 258-268.	2.9	19
11	Single-Sheath Bonding”A New Method to Bond/Ground Cable Sheaths. IEEE Transactions on Power Delivery, 2020, 35, 1065-1068.	2.9	12
12	Comparative Studies on Design Methods for Detuned C-Type Filter. IEEE Transactions on Power Delivery, 2020, 35, 1725-1734.	2.9	14
13	An Adaptive Threshold for Robust System Impedance Estimation. IEEE Transactions on Power Systems, 2019, 34, 3951-3953.	4.6	9
14	A New Filtering Scheme for HVDC Terminals Based on Damped High-Pass Filter. IEEE Transactions on Power Delivery, 2019, 34, 2050-2057.	2.9	17
15	An Open Conductor Condition Monitoring Scheme Using Natural Voltage and Current Disturbances. IEEE Transactions on Power Delivery, 2019, 34, 1193-1202.	2.9	7
16	Waveform-Based Method for Fast and Accurate Identification of Subsynchronous Resonance Events. IEEE Transactions on Power Systems, 2019, 34, 3626-3636.	4.6	25
17	SynchroWaveform Measurement Units and Applications. , 2019, , .		19
18	A Reactive Power Control Scheme for DER-Caused Voltage Rise Mitigation in Secondary Systems. IEEE Transactions on Sustainable Energy, 2019, 10, 1684-1695.	5.9	23

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19	Active method for mitigation of induced voltage in integrated energy systems. Applied Energy, 2019, 235, 553-563.	5.1	4
20	Model-Free Volt-Var Control Based on Measurement Data Analytics. IEEE Transactions on Power Systems, 2019, 34, 1471-1482.	4.6	16
21	Mitigation of DER-Caused Over-Voltage in MV Distribution Systems Using Voltage Regulators. IEEE Power and Energy Technology Systems Journal, 2019, 6, 1-10.	3.5	6
22	On-Line Cable Condition Monitoring Using Natural Power Disturbances. IEEE Transactions on Power Delivery, 2019, 34, 1242-1250.	2.9	28
23	A Benchmark Test System to Evaluate Methods of Harmonic Contribution Determination. IEEE Transactions on Power Delivery, 2019, 34, 23-31.	2.9	48
24	Contactless Voltage Distortion Measurement Using Electric Field Sensors. IEEE Transactions on Smart Grid, 2018, 9, 5643-5652.	6.2	26
25	Noninvasive Current Sensor for Multicore Cables. IEEE Transactions on Power Delivery, 2018, 33, 2335-2343.	2.9	18
26	Online Determination of External Network Models Using Synchronized Phasor Data. IEEE Transactions on Smart Grid, 2018, 9, 635-643.	6.2	8
27	Non-Intrusive Energy Use Monitoring for a Group of Electrical Appliances. IEEE Transactions on Smart Grid, 2018, 9, 3801-3810.	6.2	30
28	Event-Based Non-Intrusive Home Current Measurement Using Sensor Array. IEEE Transactions on Smart Grid, 2018, 9, 5878-5886.	6.2	12
29	A Detailed Procedure for Harmonic Analysis of Three-Phase Diode Rectifiers Under Discontinuous Conduction Mode and Nonideal Conditions. IEEE Transactions on Power Delivery, 2018, 33, 741-751.	2.9	13
30	A Shared Resonance Damping Scheme for Multiple Switchable Capacitors. IEEE Transactions on Power Delivery, 2018, 33, 1973-1980.	2.9	11
31	Harmonic Voltage Induction on Pipelines: Measurement Results and Methods of Assessment. , 2018, , .		0
32	Singleâ€port and multiâ€port frequencyâ€dependent network equivalents with numerically stable branches. IET Generation, Transmission and Distribution, 2018, 12, 564-570.	1.4	3
33	Harmonic voltage induction on pipelines: Measurement results and methods of assessment. , 2018, , .		0
34	New indices to evaluate the impact of harmonic currents on power transformers. , 2018, , .		10
35	Harmonic Voltage Induction on Pipelines: Measurement Results and Methods of Assessment. IEEE Transactions on Power Delivery, 2018, 33, 2170-2179.	2.9	11
36	Characteristic Parameter-Based Detuned C-Type Filter Design. IEEE Power and Energy Technology Systems Journal, 2018, 5, 65-72.	3.5	11

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37	An Analytical Method for Probabilistic Modeling of the Steady-State Behavior of Secondary Residential System. IEEE Transactions on Smart Grid, 2017, 8, 2575-2584.	6.2	17
38	A Generic Waveform Abnormality Detection Method for Utility Equipment Condition Monitoring. IEEE Transactions on Power Delivery, 2017, 32, 162-171.	2.9	41
39	Interharmonic Source Model for Current-Source Inverter-Fed Variable Frequency Drive. IEEE Transactions on Power Delivery, 2017, 32, 812-821.	2.9	17
40	Damped High Passive Filter – A New Filtering Scheme for Multipulse Rectifier Systems. IEEE Transactions on Power Delivery, 2017, 32, 117-124.	2.9	51
41	High-Frequency, Half-Wavelength Power Transmission Scheme. IEEE Transactions on Power Delivery, 2017, 32, 279-284.	2.9	11
42	Toward Non-Intrusive Load Monitoring via Multi-Label Classification. IEEE Transactions on Smart Grid, 2017, 8, 26-40.	6.2	241
43	Estimating harmonic impact of individual loads using harmonic phasor data. International Transactions on Electrical Energy Systems, 2017, 27, e2384.	1.2	14
44	Contactless Current Measurement for Enclosed Multiconductor Systems Based on Sensor Array. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2627-2637.	2.4	25
45	Multicycle Incipient Fault Detection and Location for Medium Voltage Underground Cable. IEEE Transactions on Power Delivery, 2017, 32, 1450-1459.	2.9	50
46	Control and Experiment of AC/AC Sparse Modular Multilevel Converter. IEEE Transactions on Power Delivery, 2017, 32, 1527-1534.	2.9	1
47	Assessing Benefits of Volt-Var Control Schemes Using AMI Data Analytics. IEEE Transactions on Smart Grid, 2017, 8, 1295-1304.	6.2	11
48	Downhole Tool Design for Conditional Monitoring of Electrical Submersible Motors in Oil Field Facilities. IEEE Transactions on Industry Applications, 2017, 53, 3164-3174.	3.3	15
49	Characteristics of Harmonic Distortions in Residential Distribution Systems. IEEE Transactions on Power Delivery, 2017, 32, 1495-1504.	2.9	77
50	Damped high passive filter – a new filtering scheme for multipulse rectifier systems. , 2017, , .		0
51	A novel filter to mitigate interharmonic problems caused by variable frequency drives. , 2017, , .		0
52	Estimating harmonic impact of individual loads using multiple linear regression analysis. International Transactions on Electrical Energy Systems, 2016, 26, 809-824.	1.2	29
53	Hybrid bidirectional AC/AC multilevel converter. , 2016, , .		0
54	Voltage distortion measurement using a contactless sensor. , 2016, , .		0

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55	A Novel Open-Loop Method to Synchronize an Islanded System with the Main Grid. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	7
56	A Method to Estimate the Impact of Harmonic and Unbalanced Currents on the Ampacity of Concentric Neutral Cables. IEEE Transactions on Power Delivery, 2016, 31, 1971-1979.	2.9	11
57	A Filtering Scheme to Reduce the Penetration of Harmonics into Transmission Systems. IEEE Transactions on Power Delivery, 2016, 31, 59-66.	2.9	10
58	Resonance-Free Shunt Capacitorsâ€™ Configurations, Design Methods and Comparative Analysis. IEEE Transactions on Power Delivery, 2016, 31, 2287-2295.	2.9	38
59	Using Short-Circuit Programs to Simulate Basic Capacitor Switching Transients. IEEE Transactions on Power Delivery, 2016, 31, 2332-2341.	2.9	7
60	Phase-to-Phase Communication Scheme for Downhole Monitoring Tool Design in Electrical Submersible Pump Systems. IEEE Transactions on Industry Applications, 2016, 52, 2077-2087.	3.3	11
61	A Distributed Filtering Scheme to Mitigate Harmonics in Residential Distribution Systems. IEEE Transactions on Power Delivery, 2016, 31, 648-656.	2.9	21
62	Online Tracking of Transmission-Line Parameters Using SCADA Data. IEEE Transactions on Power Delivery, 2016, 31, 674-682.	2.9	55
63	Design Method for Third-Order High-Pass Filter. IEEE Transactions on Power Delivery, 2016, 31, 402-403.	2.9	16
64	Sparse AC/AC Modular Multilevel Converter. IEEE Transactions on Power Delivery, 2016, 31, 1195-1202.	2.9	4
65	Low-order harmonic characteristics of photovoltaic inverters. International Transactions on Electrical Energy Systems, 2016, 26, 347-364.	1.2	27
66	Downhole monitoring tool design using power line disturbances. , 2015, , .		3
67	Zero sequence power line current measurement by using magnetic field sensor array. International Transactions on Electrical Energy Systems, 2015, 25, 1685-1696.	1.2	0
68	Phase-to-phase communication scheme for downhole monitoring tool design in electrical submersible pump systems. , 2015, , .		1
69	Magnetic Sensor Array-Based AC Current Measurement for Multiconductor Cables Using Evolutionary Computation Method. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2747-2758.	2.4	23
70	Method to estimate the impact of harmonic and unbalanced currents on the ampacity of concentric neutral cables. , 2015, , .		1
71	A bidirectional AC/AC multilevel converter. , 2015, , .		8
72	A Method to Determine Stray Voltage Sourcesâ€™Part I: Concept and Theory. IEEE Transactions on Power Delivery, 2015, 30, 713-719.	2.9	9

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73	Algorithms and field experiences for estimating transmission line parameters based on fault record data. IET Generation, Transmission and Distribution, 2015, 9, 1773-1781.	1.4	17
74	An Analytical Procedure for Calculating Harmonics of Three-Phase Uncontrolled Rectifiers Under Nonideal Conditions. IEEE Transactions on Power Delivery, 2015, 30, 144-152.	2.9	11
75	Modeling DC Motor Drive Systems in Power System Dynamic Studies. IEEE Transactions on Industry Applications, 2015, 51, 658-668.	3.3	7
76	Estimation of Fault Resistance Using Fault Record Data. IEEE Transactions on Power Delivery, 2015, 30, 153-160.	2.9	30
77	A Method to Determine Stray Voltage Sourcesâ€™Part II: Verifications and Applications. IEEE Transactions on Power Delivery, 2015, 30, 720-727.	2.9	4
78	Identification of critical components for voltage stability assessment using channel components transform. , 2014, , .		0
79	A technique to mitigate zero-sequence harmonics in power distribution systems. , 2014, , .		0
80	Method to assess the power quality impact of plug-in electric vehicles. , 2014, , .		12
81	A Novel Fault Current Control Scheme to Reduce Synchronous DG's Impact on Protection Coordination. IEEE Transactions on Power Delivery, 2014, 29, 542-551.	2.9	111
82	A Monte Carlo Simulation Platform for Studying Low Voltage Residential Networks. IEEE Transactions on Smart Grid, 2014, 5, 2766-2776.	6.2	89
83	A method to calculate capacitor switching transients using short-circuit programs. , 2014, , .		2
84	A Technique to Mitigate Zero-Sequence Harmonics in Power Distribution Systems. IEEE Transactions on Power Delivery, 2014, 29, 215-223.	2.9	21
85	Method to Assess the Power-Quality Impact of Plug-in Electric Vehicles. IEEE Transactions on Power Delivery, 2014, 29, 958-965.	2.9	142
86	Dynamic model for paper mills facilities using template-based load modeling technique. , 2014, , .		2
87	Load Monitoring Using Distributed Voltage Sensors and Current Estimation Algorithms. IEEE Transactions on Smart Grid, 2014, 5, 1920-1928.	6.2	10
88	A Novel Current Sensor for Home Energy Use Monitoring. IEEE Transactions on Smart Grid, 2014, 5, 2021-2028.	6.2	34
89	An event window based load monitoring technique for smart meters. , 2014, , .		5
90	Indices for comparative assessment of the harmonic effect of different home appliances. International Transactions on Electrical Energy Systems, 2013, 23, 638-654.	1.2	21

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91	Non-Intrusive Signature Extraction for Major Residential Loads. IEEE Transactions on Smart Grid, 2013, 4, 1421-1430.	6.2	122
92	Wireless Power Transfer: Literature survey. , 2013, , .		9
93	Online tracking of voltage-dependent load parameters using ULTC created disturbances. , 2013, , .		0
94	Modeling, Analysis, and Suppression of the Impact of Full-Scale Wind-Power Converters on Subsynchronous Damping. IEEE Systems Journal, 2013, 7, 700-712.	2.9	81
95	Online Tracking of Voltage-Dependent Load Parameters Using ULTC Created Disturbances. IEEE Transactions on Power Systems, 2013, 28, 130-139.	4.6	21
96	Identification of Critical Components for Voltage Stability Assessment Using Channel Components Transform. IEEE Transactions on Smart Grid, 2013, 4, 1122-1132.	6.2	76
97	A Novel Genetic Programming Approach for Frequency-Dependent Modeling. IEEE Transactions on Evolutionary Computation, 2013, 17, 353-367.	7.5	15
98	Contribution of induction-machine distributed generators to fault current and assessing their impact on overcurrent protection. , 2013, , .		1
99	Dynamic load models for industrial facilities. , 2013, , .		2
100	A Resonant tertiary winding-based novel air-core transformer concept. , 2013, , .		0
101	New approach to damp subsynchronous resonance by reshaping the output impedance of voltage-sourced converters. , 2013, , .		1
102	Information extraction from PQ disturbances — An emerging direction of power quality research. , 2012, , .		6
103	A Resonant Tertiary Winding-Based Novel Air-Core Transformer Concept. IEEE Transactions on Power Delivery, 2012, 27, 1519-1528.	2.9	3
104	Assessing the Collective Harmonic Impact of Modern Residential Loads—Part II: Applications. IEEE Transactions on Power Delivery, 2012, 27, 1947-1955.	2.9	50
105	Assessing the Collective Harmonic Impact of Modern Residential Loads—Part I: Methodology. IEEE Transactions on Power Delivery, 2012, 27, 1937-1946.	2.9	102
106	An improved interharmonic grouping scheme based on IEC 61000-4-7. , 2012, , .		1
107	Tracking energy consumptions of home appliances using electrical signature data. , 2012, , .		2
108	A New Control Strategy to Mitigate the Impact of Inverter-Based DGs on Protection System. IEEE Transactions on Smart Grid, 2012, 3, 1427-1436.	6.2	164

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109	An Intelligent Control Strategy for Power Factor Compensation on Distorted Low Voltage Power Systems. IEEE Transactions on Smart Grid, 2012, 3, 1562-1570.	6.2	15
110	Dynamic Load Models for Industrial Facilities. IEEE Transactions on Power Systems, 2012, 27, 69-80.	4.6	26
111	A Method to Determine the Existence of Genuine Interharmonics. IEEE Transactions on Power Delivery, 2012, 27, 1690-1692.	2.9	9
112	Online Monitoring of Substation Grounding Grid Conditions Using Touch and Step Voltage Sensors. IEEE Transactions on Smart Grid, 2012, 3, 761-769.	6.2	32
113	An Event Window Based Load Monitoring Technique for Smart Meters. IEEE Transactions on Smart Grid, 2012, 3, 787-796.	6.2	182
114	A Method to Improve the Interharmonic Grouping Scheme Adopted by IEC Standard 61000-4-7. IEEE Transactions on Power Delivery, 2012, 27, 971-979.	2.9	17
115	A Network Decoupling Transform for Phasor Data Based Voltage Stability Analysis and Monitoring. IEEE Transactions on Smart Grid, 2012, 3, 261-270.	6.2	91
116	Dynamic Non-Detection Zones of Positive Feedback Anti-Islanding Methods for Inverter-Based Distributed Generators. IEEE Transactions on Power Delivery, 2011, 26, 1145-1155.	2.9	43
117	A New Technique to Detect Faults in De-Energized Distribution Feeders—Part II: Symmetrical Fault Detection. IEEE Transactions on Power Delivery, 2011, 26, 1902-1910.	2.9	9
118	A transformation technique for decoupling power networks., 2011, , .		1
119	Voltage Stability Monitoring Based on the Concept of Coupled Single-Port Circuit. IEEE Transactions on Power Systems, 2011, 26, 2154-2163.	4.6	154
120	A New Technique to Detect Faults in De-Energized Distribution Feeders—Part I: Scheme and Asymmetrical Fault Detection. IEEE Transactions on Power Delivery, 2011, 26, 1893-1901.	2.9	16
121	A Study on the Harmonic Contributions of Residential Loads. IEEE Transactions on Power Delivery, 2011, 26, 1592-1599.	2.9	49
122	An Impedance-Based Approach for Identifying Interharmonic Sources. IEEE Transactions on Power Delivery, 2011, 26, 333-340.	2.9	16
123	Practical Power Quality Charts for Motor Starting Assessment. IEEE Transactions on Power Delivery, 2011, 26, 799-808.	2.9	23
124	Determining the Harmonic Impacts of Multiple Harmonic-Producing Loads. IEEE Transactions on Power Delivery, 2011, 26, 1187-1195.	2.9	87
125	An Event-Driven Demand Response Scheme for Power System Security Enhancement. IEEE Transactions on Smart Grid, 2011, 2, 23-29.	6.2	109
126	A Method to Construct Equivalent Circuit Model From Frequency Responses With Guaranteed Passivity. IEEE Transactions on Power Delivery, 2011, 26, 400-409.	2.9	23

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127	Shielding effect of multi-grounded neutral wire in the distribution system. European Transactions on Electrical Power, 2011, 21, 624-634.	1.0	1
128	Determining the harmonic impacts of multiple harmonic-producing loads. , 2011, , .		5
129	Power Electronic Signaling Technologyâ€™A New Class of Power Electronics Applications. IEEE Transactions on Smart Grid, 2010, 1, 332-339.	6.2	20
130	Economic Load Dispatch Constrained by Wind Power Availability: A Here-and-Now Approach. IEEE Transactions on Sustainable Energy, 2010, 1, 2-9.	5.9	226
131	Mitigation of interharmonics using a switched filter scheme. European Transactions on Electrical Power, 2010, 20, 83-95.	1.0	6
132	A systematic gain setting method of the positive feedback anti-islanding scheme for inverter-based distributed generators. , 2010, , .		1
133	Interharmonics: Signaling processing issues and applications. , 2010, , .		2
134	Decoupled Newton Algorithms in the Harmonic Domain for the Harmonic Interaction of Line Commutated Converters With AC Systems. IEEE Transactions on Power Delivery, 2010, 25, 1721-1733.	2.9	9
135	Minimum Emission Dispatch Constrained by Stochastic Wind Power Availability and Cost. IEEE Transactions on Power Systems, 2010, 25, 1705-1713.	4.6	201
136	Temporary Overvoltage and GPR Characteristics of Distribution Feeders With Multigrounded Neutral. IEEE Transactions on Power Delivery, 2010, 25, 1036-1044.	2.9	21
137	Economic load dispatch with stochastic wind power: Model and solutions. , 2010, , .		7
138	Investigation of Positive Feedback Anti-Islanding Control for Multiple Inverter-Based Distributed Generators. IEEE Transactions on Power Systems, 2009, 24, 785-795.	4.6	64
139	Online Tracking of Power System Impedance Parameters and Field Experiences. IEEE Transactions on Power Delivery, 2009, 24, 1781-1788.	2.9	66
140	A Contribution Towards a General and Systematic Procedure for Modeling Line Commutated AC/DC Converters in the Harmonic Domain. IEEE Transactions on Power Delivery, 2009, 24, 2415-2427.	2.9	9
141	An Investigation on the Selection of Filter Topologies for Passive Filter Applications. IEEE Transactions on Power Delivery, 2009, 24, 1710-1718.	2.9	183
142	Characterizing the Harmonic Attenuation Effect of Compact Fluorescent Lamps. IEEE Transactions on Power Delivery, 2009, 24, 1748-1749.	2.9	34
143	A Scalable Power-Line-Signaling-Based Scheme for Islanding Detection of Distributed Generators. IEEE Transactions on Power Delivery, 2009, 24, 903-909.	2.9	21
144	A method to determine the harmonic contributions of multiple loads. , 2009, , .		21

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145	Field test results of power-line signaling based anti-islanding scheme. , 2009, , .		3
146	Data segmentation algorithms for a time-domain harmonic source modeling method. , 2009, , .		6
147	An Investigation on the Nondetection Zones of Synchronous Distributed Generation Anti-Islanding Protection. IEEE Transactions on Power Delivery, 2008, 23, 593-600.	2.9	75
148	Analytical Formula to Estimate the Maximum Inrush Current. IEEE Transactions on Power Delivery, 2008, 23, 1266-1268.	2.9	45
149	Characterizing Voltage Fluctuations Caused by a Pair of Interharmonics. IEEE Transactions on Power Delivery, 2008, 23, 319-327.	2.9	19
150	Local anti-islanding protection for distributed generators based on impedance measurements. , 2008, , .		8
151	Extended transmission line loadability curve by including voltage stability constrains. , 2008, , .		17
152	An investigation on the effectiveness of Scott transformer on harmonic reduction. , 2008, , .		6
153	A Global Optimization Approach for Electrical Machine Designs. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	4
154	A Power Line Signaling Based Scheme for Anti-Islanding Protection of Distributed Generatorsâ€™ Part II: Field Test Results. IEEE Transactions on Power Delivery, 2007, 22, 1767-1772.	2.9	99
155	A Sequential Phase Energization Method for Transformer Inrush Current Reduction—Transient Performance and Practical Considerations. IEEE Transactions on Power Delivery, 2007, 22, 208-216.	2.9	45
156	Impact of Interface Controls on the Steady-State Stability of Inverter-Based Distributed Generators. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	5
157	Application of Modal Sensitivity for Power System Harmonic Resonance Analysis. IEEE Transactions on Power Systems, 2007, 22, 222-231.	4.6	80
158	A Harmonically Coupled Admittance Matrix Model for AC/DC Converters. IEEE Transactions on Power Systems, 2007, 22, 1574-1582.	4.6	115
159	A Power Line Signaling Based Technique for Anti-Islanding Protection of Distributed Generatorsâ€™ Part I: Scheme and Analysis. IEEE Transactions on Power Delivery, 2007, 22, 1758-1766.	2.9	225
160	Impact of DG Interface Controls on the Sandia Frequency Shift Antiislanding Method. IEEE Transactions on Energy Conversion, 2007, 22, 792-794.	3.7	65
161	Characteristics of Voltage Swell in Multigrounded Systems. IEEE Transactions on Power Delivery, 2007, 22, 1259-1260.	2.9	6
162	Estimation of Transformer Saturation Characteristics From Inrush Current Waveforms. IEEE Transactions on Power Delivery, 2006, 21, 170-177.	2.9	74

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163	Interharmonic-Flicker Curves. IEEE Transactions on Power Delivery, 2005, 20, 1017-1024.	2.9	78
164	Performance Curves of Voltage Relays for Islanding Detection of Distributed Generators. IEEE Transactions on Power Systems, 2005, 20, 1660-1662.	4.6	50
165	Impacts of AC Generators and DSTATCOM Devices on the Dynamic Performance of Distribution Systems. IEEE Transactions on Power Delivery, 2005, 20, 1493-1501.	2.9	78
166	False Operation of Vector Surge Relays. IEEE Transactions on Power Delivery, 2004, 19, 436-438.	2.9	30
167	A Comparative Study of Two Synchronous Machine Modeling Techniques for EMTP Simulation. IEEE Transactions on Energy Conversion, 2004, 19, 462-463.	3.7	16
168	Critical Impedance Method—A New Detecting Harmonic Sources Method in Distribution Systems. IEEE Transactions on Power Delivery, 2004, 19, 288-297.	2.9	60
169	An Investigation on the Reactive Power Support Service Needs of Power Producers. IEEE Transactions on Power Systems, 2004, 19, 586-593.	4.6	40
170	A “Critical Impedance”-Based Method for Identifying Harmonic Sources. IEEE Transactions on Power Delivery, 2004, 19, 671-678.	2.9	134
171	A new energy recovery double winding cage-rotor induction machine. IEEE Transactions on Energy Conversion, 2003, 18, 315-320.	3.7	6
172	A practical harmonic resonance guideline for shunt capacitor applications. IEEE Transactions on Power Delivery, 2003, 18, 1382-1387.	2.9	53
173	An investigation on the validity of power-direction method for harmonic source determination. IEEE Transactions on Power Delivery, 2003, 18, 214-219.	2.9	161
174	Online voltage stability monitoring using var reserves. IEEE Transactions on Power Systems, 2003, 18, 1461-1469.	4.6	66
175	The existence of multiple power flow solutions in unbalanced three-phase circuits. IEEE Transactions on Power Systems, 2003, 18, 605-610.	4.6	26
176	Closure of "valuation of dynamic reactive power support services for transmission access". IEEE Transactions on Power Systems, 2002, 17, 926-926.	4.6	0
177	A stochastic programming approach for range query retrieval problems. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 867-880.	4.0	1
178	Measurement of network harmonic impedances: practical implementation issues and their solutions. IEEE Transactions on Power Delivery, 2002, 17, 210-216.	2.9	91
179	Investigation of the relationship between ill-conditioned power flow and voltage collapse. IEEE Power Engineering Review, 2000, 20, 43-45.	0.1	15
180	A method for determining customer and utility harmonic contributions at the point of common coupling. IEEE Transactions on Power Delivery, 2000, 15, 804-811.	2.9	250

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181	Power quality characteristics of rural electric secondary power systems. IEEE Transactions on Industry Applications, 1999, 35, 332-338.	3.3	9
182	Analysis of faulted power systems by phase coordinates. IEEE Transactions on Power Delivery, 1998, 13, 587-595.	2.9	44
183	A three-phase converter model for harmonic analysis of HVDC systems. IEEE Transactions on Power Delivery, 1994, 9, 1724-1731.	2.9	27
184	An investigation of voltage sags by a phasor methodology. , 0, , .		1
185	An analysis of extreme-weather-related transmission line outages. , 0, , .		7
186	Determination of network harmonic impedances using steady-state measurements. , 0, , .		2
187	Experiences on assessing Alberta power system voltage stability with respect to the WSCC reactive power criteria. , 0, , .		6
188	A method to determine customer harmonic contributions for incentive-based harmonic control applications. , 0, , .		10
189	Comparisons and comments on harmonic standards IEC 1000-3-6 and IEEE Std. 519. , 0, , .		5
190	A tool for small-signal security assessment of power systems. , 0, , .		15
191	Dynamic improvement of induction generators connected to distribution systems using a DSTATCOM. , 0, , .		8
192	Application of steady-state harmonic distortion limits to the time-varying measured harmonic distortions. , 0, , .		3