Takashi Hikihara

List of Publications by Year
in descending order

235	2,786	218381	243296
papers	citations	26 h-index	44 g-index

238	238	238	1855
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Power Conversion With SiC Devices at Extremely High Ambient Temperatures. IEEE Transactions on Power Electronics, 2007, 22, 1321-1329.	5.4	260
2	An experimental study on stabilization of unstable periodic motion in magneto-elastic chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 211, 29-36.	0.9	108
3	Router for Power Packet Distribution Network: Design and Experimental Verification. IEEE Transactions on Smart Grid, 2015, 6, 618-626.	6.2	104
4	In-Home Power Distribution Systems by Circuit Switching and Power Packet Dispatching. , 2010, , .		86
5	Coherent Swing Instability of Power Grids. Journal of Nonlinear Science, 2011, 21, 403-439.	1.0	77
6	Measuring Terminal Capacitance and Its Voltage Dependency for High-Voltage Power Devices. IEEE Transactions on Power Electronics, 2009, 24, 1486-1493.	5.4	76
7	A Coupled Dynamical Model of Redox Flow Battery Based on Chemical Reaction, Fluid Flow, and Electrical Circuit. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 1741-1747.	0.2	68
8	Chaotic levitated motion of a magnet supported by superconductor. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 191, 279-284.	0.9	60
9	Applied Koopman operator theory for power systems technology. Nonlinear Theory and Its Applications IEICE, 2016, 7, 430-459.	0.4	60
10	Discharge characteristics of multicell lithium-ion battery withÂnonuniform cells. Journal of Power Sources, 2013, 241, 736-743.	4.0	57
11	A Hybrid System Approach to the Analysis and Design of Power Grid Dynamic Performance. Proceedings of the IEEE, 2012, 100, 225-239.	16.4	55
12	Logic-memory device of a mechanical resonator. Applied Physics Letters, 2014, 105, .	1.5	51
13	Coupled cantilever array with tunable on-site nonlinearity and observation of localized oscillations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1257-1260.	0.9	50
14	Data-Driven Partitioning of Power Networks Via Koopman Mode Analysis. IEEE Transactions on Power Systems, 2016, 31, 2799-2808.	4.6	50
15	Levitation drift of a magnet supported by a high-Tc superconductor under vibration. Physica C: Superconductivity and Its Applications, 1995, 250, 121-127.	0.6	49
16	Thermal instability effects in SiC Power MOSFETs. Microelectronics Reliability, 2012, 52, 2414-2419.	0.9	47
17	Controlling chaos in dynamic-mode atomic force microscope. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3140-3144.	0.9	42
18	Control of microcantilevers in dynamic force microscopy using time delayed feedback. Review of Scientific Instruments, 2006, 77, 053703.	0.6	41

#	Article	IF	Citations
19	AC Power Routing System in Home Based on Demand and Supply Utilizing Distributed Power Sources. Energies, 2011, 4, 717-726.	1.6	40
20	Management of localized energy in discrete nonlinear transmission lines. Europhysics Letters, 2007, 80, 30002.	0.7	36
21	Period-doubling cascades of canards from the extended Bonhoefferâ€“van der Pol oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3745-3751.	0.9	36
22	A Study on SiC Devices in Synchronous Rectification of DC-DC Converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	34
23	Estimation of Power Packet Transfer Properties on Indoor Power Line Channel. Energies, 2012, 5, 2141-2149.	1.6	33
24	Evaluation of High Frequency Switching Capability of SiC Schottky Barrier Diode, Based on Junction Capacitance Model. IEEE Transactions on Power Electronics, 2008, 23, 2602-2611.	5.4	30
25	Bifurcation and multifractal vibration in dynamics of a high-Tc superconducting levitation system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 231, 217-223.	0.9	29
26	Feasibility of power packet dispatching at in-home DC distribution network. , 2012, , .		29
27	Characterization and Modeling of the Voltage Dependency of Capacitance and Impedance Frequency Characteristics of Packed EDLCs. IEEE Transactions on Power Electronics, 2008, 23, 1518-1525.	5.4	27
28	Capture and release of traveling intrinsic localized mode in coupled cantilever array. Chaos, 2009, 19, 013138.	1.0	27
29	Power Regulation With Predictive Dynamic Quantizer in Power Packet Dispatching System. IEEE Transactions on Industrial Electronics, 2016, 63, 7653-7661.	5.2	27
30	Networked power packet dispatching system for multi-path routing. , 2014, , .		26
31	Levitation drift of flywheel and HTSC bearing system caused by mechanical resonance. Physica C: Superconductivity and Its Applications, 1997, 291, 34-40.	0.6	25
32	SiC JFET dc characteristics under extremely high ambient temperatures. IEICE Electronics Express, 2004, 1, 523-527.	0.3	25
33	High-speed gate drive circuit for SiC MOSFET by GaN HEMT. IEICE Electronics Express, 2015, 12, 20150285-20150285.	0.3	25
34	Effects of noise on symmetric intrinsic localized modes. Nonlinear Dynamics, 2016, 85, 333-341.	2.7	25
35	Design and experimental verification of power packet generation system for power packet dispatching system. , 2013, , .		23
36	Surface-Potential-Based Silicon Carbide Power MOSFET Model for Circuit Simulation. IEEE Transactions on Power Electronics, 2018, 33, 10774-10783.	5.4	23

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37	Counter operation in nonlinear micro-electro-mechanical resonators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2551-2555.	0.9	22
38	An all SiC MOSFET high performance PV converter cell. , 2013, , .		22
39	Experimental Stabilization of Unstable Periodic Orbit in Magneto-Elastic Chaos by Delayed Feedback Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 2837-2846.	0.7	21
40	Stability change of intrinsic localized mode in finite nonlinear coupled oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4592-4595.	0.9	21
41	Switching characteristics of SiC JFET and Schottky diode in high-temperature dc-dc power converters. IEICE Electronics Express, 2005, 2, 97-102.	0.3	20
42	Domain of attraction for stabilized orbits in time delayed feedback controlled Duffing systems. Physical Review E, 2004, 69, 056209.	0.8	19
43	Tolerance of start-up control of rotation in parametric pendulum by delayed feedback. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1779-1783.	0.9	18
44	Power packet dispatching with secondâ€order clock synchronization. International Journal of Circuit Theory and Applications, 2016, 44, 729-743.	1.3	18
45	Modeling of lateral force-displacement hysteresis caused by local flux pinning. Physica C: Superconductivity and Its Applications, 1996, 270, 68-74.	0.6	17
46	AC Power Local Network with Multiple Power Routers. Energies, 2013, 6, 6293-6303.	1.6	17
47	A simulation model for SiC power MOSFET based on surface potential. , 2016, , .		17
48	Global swing instability of multimachine power systems. , 2008, , .		16
49	Local bifurcations of synchronization in self-excited and forced unidirectionally coupled micromechanical resonators. Journal of Sound and Vibration, 2012, 331, 1127-1142.	2.1	16
50	Evaluation of capacitance-voltage characteristics for high voltage SiC-JFET. IEICE Electronics Express, 2007, 4, 517-523.	0.3	15
51	Characterization of the gate-voltage dependency of input capacitance in a SiC MOSFET. IEICE Electronics Express, 2010, 7, 480-486.	0.3	15
52	Power Processing for Advanced Power Distribution and Control. IEICE Transactions on Communications, 2017, E100.B, 941-947.	0.4	15
53	Hybrid Model for Cascading Outage in a Power System: A Numerical Study. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 871-879.	0.2	15
54	Power Conversion with SiC Devices at Extremely High Ambient Temperatures. , 0, , .		14

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55	Measurement and modeling of gateâ€“drain capacitance of silicon carbide vertical double-diffused MOSFET. Japanese Journal of Applied Physics, 2017, 56, 04CR07.	0.8	14
56	Power Packetization and Routing for Smart Management of Electricity. , 2012, , .		13
57	Reprogrammable logic-memory device of a mechanical resonator. International Journal of Non-Linear Mechanics, 2017, 94, 406-416.	1.4	13
58	Enhanced Entrainment of Synchronous Inverters for Distributed Power Sources. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2007, E90-A, 2516-2525.	0.2	13
59	An experimental spatio-temporal state transition of coupled magneto-elastic system. Chaos, 1997, 7, 810-816.	1.0	12
60	Persistence of chaos in a time-delayed-feedback controlled Duffing system. Physical Review E, 2006, 73, 036209.	0.8	12
61	Introduction to the focus issue: Fifty years of chaos: Applied and theoretical. Chaos, 2012, 22, 047501.	1.0	12
62	DYNAMICAL BEHAVIOR OF FLYWHEEL ROTOR SUSPENDED BY HYSTERETIC FORCE OF HTSC MAGNETIC BEARING. Journal of Sound and Vibration, 1999, 228, 871-887.	2.1	11
63	Quasi-periodic wave and its bifurcation in coupled magneto-elastic beam system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 155-160.	0.9	11
64	High-temperature characteristics of SiC Schottky barrier diodes related to physical phenomena. IEICE Electronics Express, 2008, 5, 198-203.	0.3	11
65	Experimental manipulation of intrinsic localized modes in macro-mechanical system. Nonlinear Theory and Its Applications IEICE, 2012, 3, 233-245.	0.4	11
66	Suppression of harmonic voltage distortion by neural network controlled active filter. , 0, , .		10
67	An expansion of system with time delayed feedback control into spatio-temporal state space. Chaos, 1999, 9, 887-892.	1.0	10
68	Transient dynamics in electric power system with DC transmission: fractal growth in stability boundary. IET Circuits, Devices and Systems, 2005, 152, 159.	0.6	10
69	Energy-based analysis of frequency entrainment described by van der Pol and phase-locked loop equations. Chaos, 2007, 17, 023108.	1.0	10
70	Predicting Voltage Instability of Power System via Hybrid System Reachability Analysis. Proceedings of the American Control Conference, 2007, , .	0.0	10
71	Verifying fault release control of power system via hybrid system reachability. , 2008, , .		10
72	Characterization of a MEMS resonator with extended hysteresis. IEICE Electronics Express, 2011, 8, 291-298.	0.3	10

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73	Reading and writing operations of memory device in micro-electromechanical resonator. IEICE Electronics Express, 2012, 9, 1230-1236.	0.3	10
74	Partitioning power grids via nonlinear Koopman Mode Analysis. , 2014, , .		10
75	On Koopman and dynamic mode decompositions for application to dynamic data with low spatial dimension. , 2016, , .		10
76	Torque-based control of whirling motion in a rotating electric machine under mechanical resonance. IEEE Transactions on Control Systems Technology, 2003, 11, 335-344.	3.2	9
77	Global swing instability in the New England power grid model. , 2009, , .		9
78	Manipulation of Single Atoms by Atomic Force Microscopy as a Resonance Effect. Physical Review Letters, 2009, 102, 215502.	2.9	9
79	A high power curve tracer for characterizing full operational range of SiC power transistors. , 2016, , .		9
80	Regulation of Parallel Converters with Respect to Stored Energy and Passivity Characteristics. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1010-1014.	0.2	9
81	Realization of Autonomous Clock Synchronization for Power Packet Dispatching. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 749-753.	0.2	8
82	The Origin of Nonlinear Phenomena in TCR-SVC Associated With Parametric Excitation of Intrinsic Oscillation and External Excitation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2952-2958.	3.5	7
83	Parametric resonance of intrinsic localized modes in coupled cantilever arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2823-2827.	0.9	7
84	High-speed driver for SiC MOSFET based on class-E inverter. , 2017, , .		7
85	Power Regeneration From DC Motor With Bidirectional Router in Power Packet Dispatching System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3088-3092.	2.2	7
86	A Study on Switching Surge Voltage Suppression of SiC MOSFET by Digital Active Gate Drive. , 2021, , .		7
87	Limit Cycle of Induction Motor Drive and Its Control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2005, E88-A, 2521-2526.	0.2	7
88	A Study on Suppressing Surge Voltage of SiC MOSFET Using Digital Active Gate Driver. , 2020, , .		7
89	Coherent Swing Instability of Interconnected Power Grids and a Mechanism of Cascading Failure. , 2012, , 185-202.		6
90	A study on trajectory control of manipulator using power packet dispatching. , 2015, , .		6

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91	A flyback converter using power MOSFET to achieve high frequency operation beyond 13.56 MHz. , 2015, , .		6
92	The Three-Phase Power Router and Its Operation with Matrix Converter toward Smart-Grid Applications. Energies, 2015, 8, 3034-3046.	1.6	6
93	Trajectory control of manipulator fed by power packets. International Journal of Circuit Theory and Applications, 2017, 45, 832-842.	1.3	6
94	Multiscale modeling of in-room temperature distribution with human occupancy data: a practical case study. Journal of Building Performance Simulation, 2018, 11, 145-163.	1.0	6
95	A Flyback Converter with SiC Power MOSFET Operating at 10 MHz: Reducing Leakage Inductance for Improvement of Switching Behaviors. , 2018, , .		6
96	Packetâ€based feedback control of electrical drive and its application to trajectory tracking of manipulator. International Journal of Circuit Theory and Applications, 2019, 47, 612-632.	1.3	6
97	BIFURCATION AND HUNTING PHENOMENA OF ROTATING SPEED IN A FLEXIBLE ROTOR SYSTEM CAUSED BY WHIRLING MOTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 1675-1684.	0.7	5
98	WAVE AND BASIN STRUCTURE IN SPATIALLY COUPLED MAGNETO-ELASTIC BEAM SYSTEM â€" TRANSITIONS BETWEEN COEXISTING WAVE SOLUTIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 999-1018.	0.7	5
99	Hybrid controller for safe microgrid operation. Nonlinear Theory and Its Applications IEICE, 2011, 2, 347-362.	0.4	5
100	A study of SiC Power BJT performance and robustness. Microelectronics Reliability, 2011, 51, 1773-1777.	0.9	5
101	Power packet dispatching with features on safety. Nonlinear Theory and Its Applications IEICE, 2016, 7, 250-265.	0.4	5
102	Close-Loop Angle Control of Stepper Motor Fed by Power Packets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1571-1574.	0.2	5
103	Energy-on-Demand Control for Power Packet Dispatching via Single Power Line. , 2018, , .		5
104	Power packet transferability via symbol propagation matrix. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170552.	1.0	5
105	Design of 6.78 MHz SiC MOSFET Class-E Inverter with a Class-Î¦ High-Speed Driver. , 2019, , .		5
106	Power Packet Dispatching With Shared Power Line: Experimental Verification for Industrial Applications. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 164-172.	3.0	5
107	A Linkage Method of Single Phase Photovoltaic Power System with Compensating Imbalance of Three Phase. IEEJ Transactions on Industry Applications, 2004, 124, 215-222.	0.1	5
108	Parallelization of Boost and Buck Type DC-DC Converters by Individual Passivity-Based Control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 589-595.	0.2	5

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109	Control and characteristics of magnetically levitated system with linear induction motor. , 0, , .		4
110	Characterization of punch-through phenomenon in SiC-SBD by capacitance-voltage measurement at high reverse bias voltage. IEICE Electronics Express, 2006, 3, 379-384.	0.3	4
111	The influence of parasitic components on power MOSFET switching operation in power conversion circuits. IEICE Electronics Express, 2009, 6, 1697-1701.	0.3	4
112	Coherent Swing Instability of power systems and cascading failures. , 2010, , .		4
113	AC/AC converter towards power routing systems in smart-grids: Advantage on operation by nonlinear dynamics. , 2013, , .		4
114	Enhancement of Driving Capability of Gate Driver Using GaN HEMTs for High-Speed Hard Switching of SiC Power MOSFETs. , 2018, , .		4
115	Stabilization of mode in imbalanced operation of matrix converter by timeâ€delayed feedback control. International Journal of Circuit Theory and Applications, 2018, 46, 2420-2433.	1.3	4
116	Experimental Implementation of Power Packet Density Modulation to Close-loop Control of Manipulator. , 2018, , .		4
117	Model for charging/discharging dynamics of cells in redox flow battery with transport delay. Physica Scripta, 2019, 94, 095005.	1.2	4
118	Start Control of Parametric Pendulum into Periodic Rotation. Transactions of the Institute of Systems Control and Information Engineers, 2011, 24, 54-60.	0.1	4
119	Applications of Koopman Mode Decomposition to Modeling of Heat Transfer Dynamics in Building Atriums-I. Transactions of the Society of Instrument and Control Engineers, 2017, 53, 123-133.	0.1	4
120	A measurement of a magnetic field vector-application of the magneto-birefringence effect by magnetic fluid. IEEE Transactions on Industrial Electronics, 1992, 39, 392-397.	5.2	3
121	A study on electro thermal response of SiC power module during high temperature operation. IEICE Electronics Express, 2008, 5, 597-602.	0.3	3
122	Switching characteristics of lateral-type and vertical-type SiC JFETs depending on their internal parasitic capacitances. IEICE Electronics Express, 2010, 7, 1051-1057.	0.3	3
123	A study on power device loss of DC-DC buck converter with SiC schottky barrier diode. , 2010, , .		3
124	Harmonic Reduction and Chaotic Operation towards Application of AC/AC Converter with Feedback Control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 840-847.	0.2	3
125	Direct matrix converter space vector modulation and dynamical model analysis towards steady state operation. , 2014, , .		3
126	A Lumped-Parameter Model of Multiscale Dynamics in Steam Supply Systems. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	3

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127	Direct drive of a buck converter by delta-sigma modulation at 13.56-MHz sampling. , 2017, , .		3
128	Synthesis and real-time simulation of reactive controller for hot-water supply in a safety-critical hospital environment. , 2017, , .		3
129	A study on close-loop control of manipulator by power packet density modulation. , 2017, , .		3
130	Reachable Set Approach to Safe Operation for Microgrid. , 2018, , .		3
131	Power Packet Router With Power and Signal Switches for a Single Power Packet. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3242-3246.	2.2	3
132	Impulsive torque control of biped gait with power packets. Nonlinear Dynamics, 2020, 102, 951-963.	2.7	3
133	Phase synchronization of autonomous AC grid system with passivityâ€based control. International Journal of Circuit Theory and Applications, 2020, 48, 906-918.	1.3	3
134	Digital active gate drive of SiC MOSFETs for controlling switching behaviorâ€”Preparation toward universal digitization of power switching. International Journal of Circuit Theory and Applications, 2022, 50, 183-196.	1.3	3
135	Quantifying smoothing effects of wind power via Koopman mode decomposition: A numerical test with wind speed predictions in Japan. Nonlinear Theory and Its Applications IEICE, 2017, 8, 342-357.	0.4	3
136	Up-Stream Dispatching of Power by Density of Power Packet. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 2581-2584.	0.2	3
137	Dynamical behavior of fluxoid and arrangement of pinning center in superconductor based on TDGL equation. Physica C: Superconductivity and Its Applications, 2004, 417, 7-16.	0.6	2
138	Simple circuit model of SiC pin diode composed by using experimental electrical characteristics. IEICE Electronics Express, 2005, 2, 392-398.	0.3	2
139	Hybrid dynamical system as model for cascading outage in a power system. , 2008, , .		2
140	Physical architectures and mathematical models for electric-power management of multiple homes. , 2011, , .		2
141	A Study on Intrinsic Localized Modes in a Macro-mechanical Cantilever Array with Tunable on-site Nonlinearity. Procedia IUTAM, 2012, 5, 288-291.	1.2	2
142	Multi-Way Partitioning of Power Networks via Koopman Mode Analysis. IFAC-PapersOnLine, 2015, 48, 421-426.	0.5	2
143	Energy absorption at synchronization in phase between coupled Duffing systems. International Journal of Dynamics and Control, 2015, 3, 189-194.	1.5	2
144	Dynamics regularization with tree-like structures. Applied Mathematical Modelling, 2018, 55, 205-223.	2.2	2

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145	Output Series-Parallel Connection of Passivity-Based Controlled DCâ€“DC Converters: Generalization of Asymptotic Stability. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1750-1759.	3.5	2
146	Switching Trajectory Control of SiC MOSFET Based on Iâ€”V Characteristics Using Digital Active Gate Driver. , 2021, , .		2
147	Physical Architecture and Model-Based Evaluation of Electric Power System with Multiple Homes. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1703-1711.	0.2	2
148	A numerical study on parametric resonance of intrinsic localized modes in coupled cantilever arrays. IEICE Proceeding Series, 2014, 1, 474-477.	0.0	2
149	Behavior of magnetic flux in a synchronous generator at transient state. Calculation method and experimental result.. IEEJ Transactions on Industry Applications, 1987, 107, 628-634.	0.1	2
150	Bifurcation Phenomena of Hunting in Revolution Speed of a Rotor System with Elastic Shaft Caused by Whirling Motion. IEEJ Transactions on Industry Applications, 1998, 118, 1266-1271.	0.1	2
151	Analytical Method Using Impedance of Permanent Magnet Motor for Calculation of Rotor Eddy-Current Losses Caused by Carrier Harmonics. IEEJ Transactions on Industry Applications, 2017, 137, 663-672.	0.1	2
152	Modeling of Advective Heat Transfer in a Practical Building Atrium via Koopman Mode Decomposition. Lecture Notes in Control and Information Sciences, 2020, , 481-506.	0.6	2
153	Physical meaning of the Potier triangle based on the analysis of magnetic flux saturation. IEEE Transactions on Magnetics, 1988, 24, 2186-2193.	1.2	1
154	Three-dimensional vibration of the rotor in the HTSC-permanent magnet flywheel system. IEEE Transactions on Magnetics, 1999, 35, 4037-4039.	1.2	1
155	Special Section on Science and Technology for Smart Energy Management. Nonlinear Theory and Its Applications IEICE, 2011, 2, 262-262.	0.4	1
156	Characterization of synchronization in a unidirectionally coupled system of nonlinear micromechanical resonators. Sensors and Actuators A: Physical, 2011, 171, 361-369.	2.0	1
157	Tolerance of Delayed Feedback Control for Maintaining Periodic Rotation. Procedia IUTAM, 2012, 5, 259-264.	1.2	1
158	Circuit switching by power routers in power distribution network. , 2013, , .		1
159	Phase synchronization of inverter linking power system network with distributed generation under voltage sag. , 2013, , .		1
160	Analysis of transient behavior of SiC power MOSFETs based on surface potential model and its application to boost converter. , 2016, , .		1
161	Nonlinear Control of Combined Heat and Power Plants in a Two-site Regional Energy System. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 157-166.	0.1	1
162	Transient behavior of redox flow battery connected to circuit based on global phase structure. Nonlinear Theory and Its Applications IEICE, 2018, 9, 137-147.	0.4	1

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163	Assessment of offshore wind farm characteristics with the cloud resolving storm simulator: A case study in Japan. Wind Energy, 2018, 21, 531-543.	1.9	1
164	Two-dimensional swarm formation in time-invariant external potential: Modeling, analysis, and control. Chaos, 2020, 30, 093145.	1.0	1
165	Investigation of Effect of Stray Capacitances in Air-Core Toroidal Transformer at High-Frequency Oscillation Based on Internal Magnetic Flux Density. , 2020, , .		1
166	Experimental Verification of Half-Duplex Power Packet Transmission. , 2020, , .		1
167	Measurement of internal magnetic flux density distribution in air-core toroidal transformer under high-frequency excitation. Review of Scientific Instruments, 2020, 91, 044703.	0.6	1
168	Consensus-based distribution of power packets and decentralized control for routing. Chaos, 2020, 30, 033115.	1.0	1
169	Electric power processing using logic operation and error correction. Royal Society Open Science, 2021, 8, 202344.	1.1	1
170	Photo radiation pressure at resonance of frequency modulated micro cantilever. Nonlinear Theory and Its Applications IEICE, 2021, 12, 718-725.	0.4	1
171	Spatio-Temporal Dynamics of Coupled Magneto-Elastic System. Solid Mechanics and Its Applications, 1999, , 523-531.	0.1	1
172	Read and Write Operations of Memory Device Consisting of Nonlinear MEMS Resonator. IEICE Proceeding Series, 2014, 1, 352-355.	0.0	1
173	Logical Behavior in Memory Devices of Coupled Nonlinear MEMS Resonators. IEICE Proceeding Series, 2014, 2, 30-33.	0.0	1
174	Symmetry recovery from the viewpoint of power and frequency by extended delay feedback control. Nonlinear Theory and Its Applications IEICE, 2019, 10, 131-139.	0.4	1
175	Stability of Two-Sites Regional Power and Heat Supply System â€"Numerical Simulations under Step Change of Heat Transfer Reference. Transactions of the Institute of Systems Control and Information Engineers, 2014, 27, 452-460.	0.1	1
176	Sustained Oscillation of an Inverter-Fed Induction Motor Drive System and its Stabilization. Journal of Electrical Engineering and Technology, 2006, 1, 80-84.	1.2	1
177	Voltage Instability Analysis via Hybrid System Reachability. Transactions of the Institute of Systems Control and Information Engineers, 2008, 21, 368-376.	0.1	1
178	A Study on Linkage Control between Distributed Generation and Power System Network Based on Passivity Characteristics. Transactions of the Institute of Systems Control and Information Engineers, 2012, 25, 257-265.	0.1	1
179	Synchronization in Coupled MEMS Resonators. Understanding Complex Systems, 2014, , 333-341.	0.3	1
180	Linear Drive Systems and their Related Technologies. An Experimental Study on Driving Characteristics of Attraction-type Magnetically Levitated Carrying System by LIM.. IEEJ Transactions on Industry Applications, 1995, 115, 282-286.	0.1	1

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181	Battery-Based Output Smoothing Control of Electric Power System with Multiple Homes. Transactions of the Institute of Systems Control and Information Engineers, 2015, 28, 299-309.	0.1	1
182	On the Use of Reachable Set for Safe Operation in Microgrid. Transactions of the Institute of Systems Control and Information Engineers, 2019, 32, 137-144.	0.1	1
183	Regulation of Parallel Connected Boost and Buck Converters by Passivity-Based Control. , 2020, , .		1
184	Impulsive Torque Control of Biped Gait With Spiking-Oscillator-Controlled Power Packet Dispatching System. , 2021, , .		1
185	A Study on Digital Active Gate Driving of DC-DC Converter for Suppressing Switching Surge Voltage. , 2022, , .		1
186	Characterization and Switching Strategy Development for SMP SiC Power Modules. , 2022, , .		1
187	Transient characteristics of a synchronous generator based on the behavior of magnetic flux at the state of asynchronization. physical meaning of transient characteristic expression. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1988, 108, 75-84.	0.2	0
188	Experimental study of LIM-driven, attraction-type magnetically levitated carrying system. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1996, 116, 124-131.	0.2	0
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