

Yong Chen

List of Publications by Year in descending order

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153
papers

1,552
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361045

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all docs

158
docs citations

158
times ranked

1287
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Adaptive Sliding Mode Control for Switched Networked Control Systems With Disturbance and Faults. IEEE Transactions on Industrial Informatics, 2019, 15, 193-204.	7.2	101
2	Faults and Diagnosis Methods of Permanent Magnet Synchronous Motors: A Review. Applied Sciences (Switzerland), 2019, 9, 2116.	1.3	86
3	Robust Tracking Control of Networked Control Systems With Communication Constraints and External Disturbance. IEEE Transactions on Industrial Electronics, 2017, 64, 4037-4047.	5.2	75
4	An Efficient and Provably Secure ECC-Based Conditional Privacy-Preserving Authentication for Vehicle-to-Vehicle Communication in VANETs. IEEE Transactions on Vehicular Technology, 2021, 70, 1278-1291.	3.9	64
5	A Wide-Area Dynamic Damping Controller Based on Robust H_∞ Control for Wide-Area Power Systems With Random Delay and Packet Dropout. IEEE Transactions on Power Systems, 2018, 33, 4026-4037.	4.6	61
6	Robust Adaptive Fault-Tolerant Control of Four-Wheel Independently Actuated Electric Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 2882-2894.	7.2	52
7	Event-Triggered Robust Adaptive Sliding Mode Fault-Tolerant Control For Nonlinear Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 6982-6992.	7.2	46
8	Dynamic Event-Based Model Predictive Load Frequency Control for Power Systems Under Cyber Attacks. IEEE Transactions on Smart Grid, 2021, 12, 715-725.	6.2	46
9	Fault Detection of Stator Inter-Turn Short-Circuit in PMSM on Stator Current and Vibration Signal. Applied Sciences (Switzerland), 2018, 8, 1677.	1.3	44
10	Wide-Area Robust Sliding Mode Controller for Power Systems With False Data Injection Attacks. IEEE Transactions on Smart Grid, 2020, 11, 922-930.	6.2	39
11	Open-Switch Fault Diagnosis Method in Voltage-Source Inverters Based on Phase Currents. IEEE Access, 2019, 7, 63619-63625.	2.6	38
12	Asynchronous control strategy for semi-Markov switched system and its application. Information Sciences, 2020, 532, 125-138.	4.0	32
13	Fuzzy robust fault-tolerant control for offshore ship-mounted crane system. Information Sciences, 2020, 526, 119-132.	4.0	31
14	Adaptive fast sliding mode fault tolerant control integrated with disturbance observer for spacecraft attitude stabilization system. ISA Transactions, 2019, 94, 1-9.	3.1	30
15	Improved SIFT image registration algorithm on characteristic statistical distributions and consistency constraint. Optik, 2016, 127, 900-911.	1.4	27
16	A sliding mode speed and position observer for a surface-mounted PMSM. ISA Transactions, 2019, 87, 17-27.	3.1	27
17	Bilinear Pairing-Based Hybrid Signcryption for Secure Heterogeneous Vehicular Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 5974-5989.	3.9	27
18	Adaptive tracking control for networked control systems of intelligent vehicle. Information Sciences, 2019, 503, 493-507.	4.0	26

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19	Challenging research for networked control systems: A survey. Transactions of the Institute of Measurement and Control, 2019, 41, 2400-2418.	1.1	25
20	Series-Capacitor-Based Buck PFC Converter With High Power Factor and Ultrahigh Step-Down Conversion Ratio. IEEE Transactions on Industrial Electronics, 2019, 66, 6895-6905.	5.2	23
21	Adaptive sliding-mode tracking control of networked control systems with false data injection attacks. Information Sciences, 2022, 585, 194-208.	4.0	23
22	Fractional-order sliding mode position tracking control for servo system with disturbance. ISA Transactions, 2020, 105, 269-277.	3.1	21
23	Adaptive Resilient Control for Interconnected Vehicular Platoon With Fault and Saturation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10210-10222.	4.7	21
24	Robust Time-varying H _∞ Control for Networked Control System with Uncertainties and External Disturbance. International Journal of Control, Automation and Systems, 2018, 16, 2125-2135.	1.6	20
25	Sparse Representation and SVM Diagnosis Method Inter-Turn Short-Circuit Fault in PMSM. Applied Sciences (Switzerland), 2019, 9, 224.	1.3	20
26	Adaptive Fuzzy Control for Teleoperation System with Uncertain Kinematics and Dynamics. International Journal of Control, Automation and Systems, 2019, 17, 1158-1166.	1.6	20
27	Energy efficient walking control for biped robots using interval type-2 fuzzy logic systems and optimized iteration algorithm. ISA Transactions, 2019, 87, 143-153.	3.1	20
28	Sliding mode predictive tracking control for DC permanent magnet motor in NCSs with random delay and packet dropouts. International Journal of Control, Automation and Systems, 2017, 15, 2723-2732.	1.6	18
29	Robust adaptive controller with disturbance observer for vehicular radar servo system. International Journal of Control, Automation and Systems, 2011, 9, 169-175.	1.6	16
30	Fault-Tolerant Control Strategy for Five-Phase PMSM With Third-Harmonic Current Injection. IEEE Access, 2018, 6, 58501-58509.	2.6	16
31	Adaptive fault tolerant control for time-varying delay system with actuator fault and mismatched disturbance. ISA Transactions, 2019, 89, 122-130.	3.1	16
32	Current observer-based online open-switch fault diagnosis for voltage-source inverter. ISA Transactions, 2020, 99, 445-453.	3.1	16
33	ECCHSC: Computationally and Bandwidth Efficient ECC-Based Hybrid Signcryption Protocol for Secure Heterogeneous Vehicle-to-Infrastructure Communications. IEEE Internet of Things Journal, 2022, 9, 4435-4450.	5.5	15
34	Online adaptive parameter identification of PMSM based on the dead-time compensation. International Journal of Electronics, 2015, 102, 1132-1150.	0.9	14
35	Isolated Series-Capacitor-Based Full-Bridge Converter With Reduced Circulating Losses and Wide Soft Switching Range. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1272-1285.	3.7	13
36	An intelligent dc current minimization method for transformerless grid-connected photovoltaic inverters. ISA Transactions, 2019, 88, 268-279.	3.1	13

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37	Terminal sliding mode control of permanent magnet synchronous motor based on the reaching law. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, 234, 849-859.	0.7	13
38	Sliding Mode Fault Tolerant Tracking Control for a Single-Link Flexible Joint Manipulator System. IEEE Access, 2019, 7, 83046-83057.	2.6	12
39	Design and implementation of a virtual capacitor based DC current suppression method for grid-connected inverters. ISA Transactions, 2019, 92, 257-272.	3.1	12
40	Asymmetric Phase-Shift Modulation Strategy of DAB Converters for Improved Light-Load Efficiency. IEEE Transactions on Power Electronics, 2022, 37, 9104-9113.	5.4	12
41	Observer-based adaptive threshold diagnosis method for open-switch faults of voltage source inverters. Journal of Power Electronics, 2020, 20, 1573-1582.	0.9	11
42	Actuator Fault-Tolerant Control for Four-Wheel-Drive-by-Wire Electric Vehicle. IEEE Transactions on Transportation Electrification, 2022, 8, 2361-2373.	5.3	11
43	Output Integral Sliding Mode Fault Tolerant Control for Nonlinear Systems With Actuator Fault and Mismatched Disturbance. IEEE Access, 2018, 6, 59383-59393.	2.6	10
44	Dynamic surface method-based adaptive backstepping control for the permanent magnet synchronous motor on parameter identification. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 1172-1181.	0.7	10
45	Sliding-mode secure control for jump cyber physical systems with malicious attacks. Journal of the Franklin Institute, 2021, 358, 3424-3440.	1.9	10
46	Adaptive Fast Fault Location for Open-Switch Faults of Voltage Source Inverter. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3965-3974.	3.5	10
47	Study and design of a novel three-phase bridgeless boost power factor correction. IET Power Electronics, 2014, 7, 2013-2021.	1.5	9
48	Improving the Accuracy of Fault Frequency by Means of Local Mean Decomposition and Ratio Correction Method for Rolling Bearing Failure. Applied Sciences (Switzerland), 2019, 9, 1888.	1.3	9
49	Robust Control of Networked System and Its Application. International Journal of Control, Automation and Systems, 2021, 19, 2622-2633.	1.6	9
50	A Novel Method of Object Detection from a Moving Camera Based on Image Matching and Frame Coupling. PLoS ONE, 2014, 9, e109809.	1.1	8
51	Sensorless control at low speed based on HF signal injection and a new signal processing method. , 2017, , .		8
52	ADP-Based Remote Secure Control for Networked Control Systems Under Unknown Nonlinear Attacks in Sensors and Actuators. IEEE Transactions on Industrial Informatics, 2022, 18, 6003-6014.	7.2	8
53	Adaptive Sliding Mode Control of Robot Manipulators with System Failures. Mathematics, 2022, 10, 339.	1.1	8
54	Feature article: Overview of landmarks for autonomous, vision-based landing of unmanned helicopters. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 14-27.	2.3	7

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55	Stability Analysis of Complex Network Control System With Dynamical Topology and Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7228-7237.	5.9	7
56	Resilient Predictive Control for Cyber-Physical Systems Under Denial-of-Service Attacks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 144-148.	2.2	7
57	Hybrid Sliding-Mode Position-Tracking Control for Servo System With External Disturbance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5478-5488.	3.7	7
58	Adaptive finite-time tracking control of robot manipulators with multiple uncertainties based on a low-cost neural approximator. Journal of the Franklin Institute, 2022, 359, 4938-4958.	1.9	7
59	Application of Improved Bridgeless Power Factor Correction Based on One-cycle Control in Electric Vehicle Charging System. Electric Power Components and Systems, 2014, 42, 112-123.	1.0	6
60	Voltage Balancing Method on Expert System for 51-Level MMC in High Voltage Direct Current Transmission. Mathematical Problems in Engineering, 2016, 2016, 1-6.	0.6	6
61	Wide-area Stabiliser on Sliding Mode Control for Cross-area Power Systems with Random Delay and Packet Dropouts. Asian Journal of Control, 2018, 20, 2130-2142.	1.9	6
62	Inverse Jacobian Adaptive Tracking Control of Robot Manipulators with Kinematic, Dynamic, and Actuator Uncertainties. Complexity, 2020, 2020, 1-12.	0.9	6
63	FHOSM Tolerant Control for Networked Control Systems with Disturbances and Faults. International Journal of Control, Automation and Systems, 2021, 19, 3049-3061.	1.6	6
64	Adaptive Finite-Time Backstepping Sliding Mode Control for PMSM System With Backlash. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7549-7559.	3.7	6
65	A Novel Vehicle Safety Traffic Pre-warning Decision on Multi-sensor Information Fusion. , 2007, , .		5
66	Design and Implementation of a Power System Sensor Network for Wide-Area Measurement. , 2008, , .		5
67	Four-Dimensional Space Vector PWM Strategy for Five-Phase Voltage Source Inverter. IEEE Access, 2019, 7, 59013-59021.	2.6	5
68	Reduced-order-asynchronous-based control for nonlinear jump networked systems with attacks. Information Sciences, 2021, 577, 180-195.	4.0	5
69	Sliding Mode Resilient Control for TOD-based Servo System Under DoS Attack. International Journal of Control, Automation and Systems, 2022, 20, 526-535.	1.6	5
70	Distributed Finite-Time Fault-Tolerant Control for Heterogeneous Vehicular Platoon With Saturation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21259-21273.	4.7	5
71	High Power Factor Light-emitting Diode Driver on Digital Signal Processor Without Electrolytic Capacitor for High-power Lighting. Electric Power Components and Systems, 2015, 43, 83-94.	1.0	4
72	Design and analysis of six-phase fault-tolerant PMSM for electric vehicle. , 2016, , .		4

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73	An Intelligent Knowledge Extraction Framework for Recognizing Identification Information From Real-World ID Card Images. IEEE Access, 2019, 7, 165448-165457.	2.6	4
74	Soft switching high step-down series-capacitor based converter with coupled-inductor technique. Journal of Power Electronics, 2020, 20, 873-883.	0.9	4
75	Event trigger-based adaptive sliding mode fault-tolerant control for dynamic systems. Science China Information Sciences, 2021, 64, 1.	2.7	4
76	A Simplified Method for Extracting Parasitic Inductances of MOSFET-Based Half-Bridge Circuit. IEEE Access, 2021, 9, 14122-14129.	2.6	4
77	Online Control for Biped Robot with Incremental Learning Mechanism. Applied Sciences (Switzerland), 2021, 11, 8599.	1.3	4
78	Event-based Networked Predictive Control Systems with Secure Transmission Protocol. International Journal of Control, Automation and Systems, 2022, 20, 1076-1086.	1.6	4
79	Fuzzy PID control for landing gear based on magneto-rheological (MR) damper. , 2009, , .		3
80	2-Order discrete-time sliding-mode tracking control for DC motor in NCSs with random delay. , 2017, , .		3
81	A Fast Three-Dimensional Display Method for Time-Frequency Spectrogram Used in Embedded Fault Diagnosis Devices. Applied Sciences (Switzerland), 2018, 8, 1930.	1.3	3
82	Design optimization of Permanent Magnet Brushless Direct Current Motor using Radial Basis Function Neural Network. , 2018, , .		3
83	Bipedal walking pattern generation and control for humanoid robot with bivariate stability margin optimization. Advances in Mechanical Engineering, 2018, 10, 168781401880088.	0.8	3
84	Matching Quality Detection System of Synchronizer Ring and Cone. Applied Sciences (Switzerland), 2019, 9, 3622.	1.3	3
85	Designing of power system stabilizer based on neural-like P systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, 234, 199-210.	0.7	3
86	MPC for the Cyber-Physical System with Deception Attacks. , 2020, , .		3
87	Object detection and tracking with active camera on motion vectors of feature points and particle filter. Review of Scientific Instruments, 2013, 84, 065109.	0.6	2
88	A predictive control method for networked control systems with random delay and packet dropouts. , 2016, , .		2
89	Disturbance observer-based backstepping control for permanent magnet synchronous motor. , 2017, , .		2
90	Fault estimation for a class of dynamic systems with external disturbance and actuator fault based on H^∞ adaptive observer. , 2017, , .		2

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91	Sparse Haar-Like Feature and Image Similarity-Based Detection Algorithm for Circular Hole of Engine Cylinder Head. Applied Sciences (Switzerland), 2018, 8, 2006.	1.3	2
92	Stability analysis and stabilization of event-triggered networked control for positive linear systems. , 2018, , .		2
93	Improved hybrid fixed-frequency modulation strategy for series resonant converters for wide range applications. Journal of Power Electronics, 2021, 21, 1270-1282.	0.9	2
94	An Adaptive Weighted Envelope Based Piecewise Fitting Method for Molding Process Data. , 2021, , .		2
95	Dynamic Memory Event-Triggered Adaptive Control for a Class of Strict-Feedback Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3470-3474.	2.2	2
96	Interleaved high conversion ratio DC-DC converter with output self-balancing and current auto-sharing for DC nanogrid application. International Journal of Circuit Theory and Applications, 2022, 50, 2510-2530.	1.3	2
97	Adaptive Fault-Tolerant Control for Autonomous Vehicle Platoon against Fault. , 2021, , .		2
98	Adaptive Fault-tolerant Control for Mechanical Manipulator Systems with Actuator Fault. International Journal of Control, Automation and Systems, 2022, 20, 2326-2339.	1.6	2
99	Fuzzy Radius Basis Function neural network based vector control of Permanent Magnet Synchronous Motor. , 2008, , .		1
100	An Artificial Neural Network Based on CIEA. , 2008, , .		1
101	Note: An object detection method for active camera. Review of Scientific Instruments, 2013, 84, 096108.	0.6	1
102	Rectification control points selection method of triangle mesh in optical pressure measurement of wind-tunnel test. Review of Scientific Instruments, 2014, 85, 085108.	0.6	1
103	Tracking error and contouring error analysis of coordinated control in biaxial motion of radar servo system. , 2014, , .		1
104	Sliding mode fault-tolerant control for switched systems with disturbance and faults. , 2017, , .		1
105	H-infinite control for random intermittent actuator fault of discrete systems with model uncertainties. , 2017, , .		1
106	Optimal Control, Safety Technology, and Electromagnetic Compatibility in the Driving System of Electric Vehicle. Journal of Control Science and Engineering, 2018, 2018, 1-2.	0.8	1
107	Fault estimation for time varying delay nonlinear systems with actuator fault and external disturbance. , 2018, , .		1
108	Robust Sliding Mode Controller with Suppressor for DC Motor System with Disturbances. , 2019, , .		1

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109	String Stability for Heterogeneous Vehicular Platoon with Fault. , 2021, , .		1
110	Adaptive-triggered asynchronous control for stochastic jumping systems under sliding mode. International Journal of Control, 0, , 1-10.	1.2	1
111	DC Component Mitigation Utilizing BP-PI and Repetitive Control in Transformless Grid-Connected Inverters. , 2019, , .		1
112	Comprehensive Analysis of Asymmetric Modulated Dual-Active-Bridge Converter and Its Hybrid Control Strategy. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4218-4230.	3.7	1
113	An ECC-Based Conditional Privacy-Preserving Authentication Scheme for Vehicle-to-Vehicle Communications. , 2022, , 121-146.		1
114	Magnetic anomaly detection on wavelet packet and support vector machine. , 2021, , .		1
115	Adaptive robust FDI attack detection for cyberâ€œphysicalâ€œ systems with disturbance. ICT Express, 2023, 9, 656-663.	3.3	1
116	Pareto Multiobjective Lyapunov-Based Economic Model-Predictive Control for Nonlinear Time-Delayed System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 142-151.	5.9	1
117	Adaptive fuzzy tracking control for nonâ€œstrictâ€œfeedback nonâ€œlinear systems with nonâ€œconstant delays and full state constraints. IET Control Theory and Applications, 2022, 16, 1383-1395.	1.2	1
118	Sensor management based on IFFNN. , 2008, , .		0
119	On-line detecting of rotor bar breaking based on wavelet digital filter and instantaneous power. , 2009, , .		0
120	Chaos system filter on state-space model and EKF. , 2009, , .		0
121	Model Checking of Wireless Transaction Protocol. , 2009, , .		0
122	Nonlinear Modeling and Optimal Controller Design for Radar Servo System. , 2009, , .		0
123	Robust Image Matching Algorithm Using SIFT on Multiple Layered Strategies. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	0
124	Probabilistic Reactive Power Optimization of Distribution Network Considering Stochastic Wind Speed and Load. Advanced Materials Research, 2013, 684, 676-679.	0.3	0
125	Online Identification Methods of Load Rotary Inertia and Torque in Radar Servo System. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	0
126	Design and Analysis of Position/Force Control in Teleoperation Systems with Disturbances. , 2015, , .		0

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127	Sliding mode fault tolerant control for nonlinear dynamic systems with actuator faults and external disturbances. , 2017, , .		0
128	Tracking control of BLDCM based on fuzzy-single neuron PID. , 2017, , .		0
129	Sliding mode fault tolerant for nonlinear systems with external disturbance. , 2018, , .		0
130	DC Component Minimization of Transformerless LCL-Type Grid-Connected Inverter with Virtual Capacitors. , 2019, , .		0
131	Expert System-Based EMI Modeling Method for IGBT in Electric Drive System of EV. IEEE Access, 2021, 9, 42688-42696.	2.6	0
132	An Adaptive Video Sequence Denoising Algorithm. , 2008, , .		0
133	High-Order Sliding-Mode Tracking Control of Networked Systems with Communication Constraints. , 2022, , 71-100.		0
134	Finite-Time Sliding-Mode Tracking Control for Networked Systems with Faults and Disturbances. , 2022, , 121-139.		0
135	Robust Sliding-Mode Tracking Control for NCSs with Random Delay and Packet Dropouts. , 2022, , 55-70.		0
136	Related Background and Pre-knowledge. , 2022, , 1-28.		0
137	Fast Sliding-Mode Tracking Control for Networked Systems with Actuator Faults. , 2022, , 101-119.		0
138	Terminal Integral Sliding-Mode Tracking Control for Networked Systems with False Data Injection (FDI) Attacks. , 2022, , 175-192.		0
139	Resilient Sliding-Mode Tracking Control for Networked Systems with DoS Attack. , 2022, , 159-173.		0
140	Super-Twisting Sliding-Mode Tracking Control for Networked Systems with Multi-Channels Transmission. , 2022, , 141-158.		0
141	Adaptive tracking control of robotic manipulator with uncertain dynamics based on a new neural approximator. , 2021, , .		0
142	Fault- Tolerant Control For Robotic Manipulator With Uncertain Dynamics And Disturbance. , 2021, , .		0
143	Modeling and Analysis of Water Injection Cooling Molding System. , 2021, , .		0
144	Sliding mode control for direct current motor system with multi-channels and external disturbances. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 742-753.	0.7	0

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145	Synchronization Control of Position and Velocity for Heterogeneous Teleoperation System. , 2020, , .		0
146	Virtual Constraint Force Control for Teleoperation System of Live-Power Line Maintenance. , 2020, , .		0
147	Electromagnetic interference shielding performance calculate model for double layer shielded cable connector in EV. International Journal of Applied Electromagnetics and Mechanics, 2022, , 1-12.	0.3	0
148	Adaptive coherent noise suppression for three-axis fluxgate sensor. , 2021, , .		0
149	Mechanism Modeling and Analysis of Submerged Water Bath Cooling Molding Process. , 2021, , .		0
150	Sliding Mode Control for Networked Markovian Jump Systems with Disturbances. , 2021, , .		0
151	Finite-time Fault Tolerant Control for Uncertain-Robot Mechanism Using Adaptive-Gain SMC. , 2021, , .		0
152	A Novel Vehicle Safety Traffic Pre-warning Decision on Multi-sensor Information Fusion. , 2007, , .		0
153	IPOS three-state boost converter and its volt-second balance method based output voltage sharing control strategy for bipolar DC bus applications. Journal of Power Electronics, 0, , .	0.9	0