

Yoshihiko Nakamura

List of Publications by Year in descending order

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253
docs citations

253
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse Kinematic Solutions With Singularity Robustness for Robot Manipulator Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1986, 108, 163-171.	0.9	907
2	Task-Priority Based Redundancy Control of Robot Manipulators. International Journal of Robotics Research, 1987, 6, 3-15.	5.8	859
3	Dynamics and Stability in Coordination of Multiple Robotic Mechanisms. International Journal of Robotics Research, 1989, 8, 44-61.	5.8	303
4	Unified Impedance and Admittance Control. , 2010, , .		189
5	Incremental Learning, Clustering and Hierarchy Formation of Whole Body Motion Patterns using Adaptive Hidden Markov Chains. International Journal of Robotics Research, 2008, 27, 761-784.	5.8	176
6	Somatosensory computation for man-machine interface from motion-capture data and musculoskeletal human model. , 2005, 21, 58-66.		168
7	Incremental learning of full body motion primitives and their sequencing through human motion observation. International Journal of Robotics Research, 2012, 31, 330-345.	5.8	155
8	Kinetic chain of overarm throwing in terms of joint rotations revealed by induced acceleration analysis. Journal of Biomechanics, 2008, 41, 2874-2883.	0.9	146
9	Online Segmentation and Clustering From Continuous Observation of Whole Body Motions. IEEE Transactions on Robotics, 2009, 25, 1158-1166.	7.3	97
10	Identifiability and identification of inertial parameters using the underactuated base-link dynamics for legged multibody systems. International Journal of Robotics Research, 2014, 33, 446-468.	5.8	87
11	Motion capture based human motion recognition and imitation by direct marker control. , 2008, , .		84
12	A Hybrid System Framework for Unified Impedance and Admittance Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 359-375.	2.0	84
13	ZMP Support Areas for Multicontact Mobility Under Frictional Constraints. IEEE Transactions on Robotics, 2017, 33, 67-80.	7.3	82
14	Mimetic Communication Model with Compliant Physical Contact in Human-Humanoid Interaction. International Journal of Robotics Research, 2010, 29, 1684-1704.	5.8	71
15	Brain-to-cervical lymph node signaling after stroke. Nature Communications, 2019, 10, 5306.	5.8	70
16	Stability of surface contacts for humanoid robots: Closed-form formulae of the Contact Wrench Cone for rectangular support areas. , 2015, , .		65
17	Leveraging Cone Double Description for Multi-contact Stability of Humanoids with Applications to Statics and Dynamics. , 0, , .		62
18	Laser-scan endoscope system for intraoperative geometry acquisition and surgical robot safety management. Medical Image Analysis, 2006, 10, 509-519.	7.0	61

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19	Musculoskeletal-see-through mirror: Computational modeling and algorithm for whole-body muscle activity visualization in real time. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 103, 310-317.	1.4	59
20	Recognition of human driving behaviors based on stochastic symbolization of time series signal. , 2008, , .		53
21	Goreisan Prevents Brain Edema after Cerebral Ischemic Stroke by Inhibiting Aquaporin 4 Upregulation in Mice. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 758-763.	0.7	53
22	Hardware design of high performance miniature anthropomorphic robots. <i>Robotics and Autonomous Systems</i> , 2008, 56, 82-94.	3.0	52
23	Boundary Condition Relaxation Method for Stepwise Pedipulation Planning of Biped Robots. <i>IEEE Transactions on Robotics</i> , 2009, 25, 658-669.	7.3	52
24	Humanoid Robot's Autonomous Acquisition of Proto-Symbols through Motion Segmentation. , 2006, , .		51
25	Development of backdrivable hydraulic joint mechanism for knee joint of humanoid robots. , 2009, , .		50
26	Cr-N alloy thin-film based torque sensors and joint torque servo systems for compliant robot control. , 2013, , .		48
27	Task Parameterization Using Continuous Constraints Extracted From Human Demonstrations. <i>IEEE Transactions on Robotics</i> , 2015, 31, 1458-1471.	7.3	48
28	Image Stabilization for <i>In Vivo</i> Microscopy by High-Speed Visual Feedback Control. , 2008, 24, 45-54.		42
29	High-fidelity joint drive system by torque feedback control using high precision linear encoder. , 2010, , .		41
30	Motion capture based identification of the human body inertial parameters. , 2008, 2008, 4575-8.		40
31	Statistical mutual conversion between whole body motion primitives and linguistic sentences for human motions. <i>International Journal of Robotics Research</i> , 2015, 34, 1314-1328.	5.8	38
32	Admissible velocity propagation: Beyond quasi-static path planning for high-dimensional robots. <i>International Journal of Robotics Research</i> , 2017, 36, 44-67.	5.8	37
33	Resolving the problem of non-integrability of nullspace velocities for compliance control of redundant manipulators by using semi-definite Lyapunov functions. , 2008, , .		35
34	Backdrivability analysis of Electro-Hydrostatic Actuator and series dissipative actuation model. , 2010, , .		34
35	Modeling and Identification of a Realistic Spiking Neural Network and Musculoskeletal Model of the Human Arm, and an Application to the Stretch Reflex. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 591-602.	2.7	34
36	Small Occupancy Robotic Mechanisms for Endoscopic Surgery. <i>Lecture Notes in Computer Science</i> , 2002, , 75-82.	1.0	33

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37	Comparison of accuracy of presepsin and procalcitonin concentrations in diagnosing sepsis in patients with and without acute kidney injury. <i>Clinica Chimica Acta</i> , 2019, 490, 200-206.	0.5	32
38	Scaffolding on-line segmentation of full body human motion patterns. , 2008, , .		31
39	Real-time implementation of physically consistent identification of human body segments. , 2011, , .		31
40	Capture Database through Symbolization, Recognition and Generation of Motion Patterns. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	30
41	Primitive communication based on motion recognition and generation with hierarchical mimesis model. , 0, , .		29
42	Mimesis Model from Partial Observations for a Humanoid Robot. <i>International Journal of Robotics Research</i> , 2010, 29, 60-80.	5.8	29
43	Stable penalty-based model of frictional contacts. , 0, , .		27
44	Comparative Study on Serial and Parallel Forward Dynamics Algorithms for Kinematic Chains*. <i>International Journal of Robotics Research</i> , 2009, 28, 622-629.	5.8	27
45	Incremental learning of full body motion primitives for humanoid robots. , 2008, , .		26
46	Real-time identification and visualization of human segment parameters. , 2009, 2009, 3983-6.		26
47	A New Trajectory Deformation Algorithm Based on Affine Transformations. <i>IEEE Transactions on Robotics</i> , 2015, 31, 1054-1063.	7.3	26
48	Video Motion Capture from the Part Confidence Maps of Multi-Camera Images by Spatiotemporal Filtering Using the Human Skeletal Model. , 2018, , .		25
49	Representability of human motions by factorial hidden Markov models. , 2007, , .		24
50	Identification of humanoid robots dynamics using floating-base motion dynamics. , 2008, , .		24
51	Statistically integrated semiotics that enables mutual inference between linguistic and behavioral symbols for humanoid robots. , 2009, , .		24
52	Incremental on-line hierarchical clustering of whole body motion patterns. , 2007, , .		23
53	Mechanism and Control of Whole-Body Electro-Hydrostatic Actuator Driven Humanoid Robot Hydra. <i>Springer Proceedings in Advanced Robotics</i> , 2017, , 656-665.	0.9	23
54	Fast inverse kinematics algorithm for large DOF system with decomposed gradient computation based on recursive formulation of equilibrium. , 2012, , .		21

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55	Development of high-power and backdrivable linear electro-hydrostatic actuator. , 2014, , .		21
56	Simultaneous global inverse kinematics and geometric parameter identification of human skeletal model from motion capture data. Mechanism and Machine Theory, 2014, 74, 274-284.	2.7	21
57	Real-time Unsupervised Segmentation of human whole-body motion and its application to humanoid robot acquisition of motion symbols. Robotics and Autonomous Systems, 2016, 75, 260-272.	3.0	21
58	Identification of Human Limb Viscoelasticity using Robotics Methods to Support the Diagnosis of Neuromuscular Diseases. International Journal of Robotics Research, 2009, 28, 1322-1333.	5.8	20
59	Human motion database with a binary tree and node transition graphs. Autonomous Robots, 2011, 30, 87-98.	3.2	20
60	Stochastic Model of Imitating a New Observed Motion Based on the Acquired Motion Primitives. , 2006, , .		19
61	Time-optimal Path Parameterization for critically dynamic motions of humanoid robots. , 2012, , .		19
62	Segmentation, Memorization, Recognition and Abstraction of Humanoid Motions Based on Correlations and Associative Memory. , 2006, , .		18
63	Enhancement of Boundary Condition Relaxation Method for 3D Hopping Motion Planning of Biped Robots. , 2007, , .		18
64	Toe joint mechanism using parallel four-bar linkage enabling humanlike multiple support at toe pad and toe tip. , 2007, , .		18
65	Integrating whole body motion primitives and natural language for humanoid robots. , 2008, , .		18
66	Base force/torque sensing for position based Cartesian impedance control. , 2009, , .		18
67	Compliant Biped Locomotion of Hydra, an Electro-Hydrostatically Driven Humanoid. , 2018, , .		18
68	Combining automated on-line segmentation and incremental clustering for whole body motions. , 2008, , .		17
69	Incremental learning of human behaviors using hierarchical hidden Markov models. , 2010, , .		17
70	Evaluations on contribution of backdrivability and force measurement performance on force sensitivity of actuators. , 2013, , .		17
71	Low-friction tendon-driven robot hand with carpal tunnel mechanism in the palm by optimal 3D allocation of pulleys. , 2014, , .		17
72	Editorial: Neuromechanics and Control of Physical Behavior: From Experimental and Computational Formulations to Bio-inspired Technologies. Frontiers in Computational Neuroscience, 2019, 13, 13.	1.2	17

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73	Parallel $O(\log N)$ Algorithm for Dynamics Simulation of Humanoid Robots. , 2006, , .		16
74	Mimesis Scheme using a Monocular Vision System on a Humanoid Robot. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	15
75	Modeling and identification of human neuromusculoskeletal network based on biomechanical property of muscle. , 2008, 2008, 3706-9.		15
76	Key design parameters of a few types of electro-hydrostatic actuators for humanoid robots. Advanced Robotics, 2018, 32, 1241-1252.	1.1	15
77	Synergetic reconstruction from 2D pose and 3D motion for wide-space multi-person video motion capture in the wild. Image and Vision Computing, 2020, 104, 104028.	2.7	15
78	Design of Steering Mechanism and Control of Nonholonomic Trailer Systems.. Journal of the Robotics Society of Japan, 1999, 17, 839-847.	0.0	15
79	Switching control and quick stepping motion generation based on the maximal CPI sets for falling avoidance of humanoid robots. , 2010, , .		14
80	Identification of standard inertial parameters for large-DOF robots considering physical consistency. , 2010, , .		14
81	Bigram-based natural language model and statistical motion symbol model for scalable language of humanoid robots. , 2012, , .		14
82	HRPSlam: A Benchmark for RGB-D Dynamic SLAM and Humanoid Vision. , 2019, , .		14
83	Macroscopic Modeling and Identification of the Human Neuromuscular Network. , 2006, 2006, 99-105.		13
84	Online acquisition and visualization of motion primitives for humanoid robots. , 2009, , .		13
85	Symbolically structured database for human whole body motions based on association between motion symbols and motion words. Robotics and Autonomous Systems, 2015, 66, 75-85.	3.0	12
86	Current-pressure-position triple-loop feedback control of electro-hydrostatic actuators for humanoid robots. Advanced Robotics, 2018, 32, 1269-1284.	1.1	12
87	Humanoid robot simulator for the METI HRP Project. Robotics and Autonomous Systems, 2001, 37, 101-114.	3.0	11
88	Electro-hydrostatic actuators with Series Dissipative property and their application to power assist devices. , 2010, , .		11
89	Classification of Multi-class Daily Human Motion using Discriminative Body Parts and Sentence Descriptions. International Journal of Computer Vision, 2018, 126, 495-514.	10.9	11
90	SARS-CoV-2 is localized in cardiomyocytes: a postmortem biopsy case. International Journal of Infectious Diseases, 2021, 111, 43-46.	1.5	11

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91	In-vivo estimation of the human elbow joint dynamics during passive movements based on the musculo-skeletal kinematics computation. , 0, , .		10
92	Backdrivable miniature hydrostatic transmission for actuation of anthropomorphic robot hands. , 2007, , .		10
93	Motion recognition and recovery from occluded monocular observations. Robotics and Autonomous Systems, 2014, 62, 818-832.	3.0	10
94	Enhancement of mechanical strength, computational power, and heat management for fieldwork humanoid robots. , 2016, , .		10
95	Design and Development of Compact Ceramics Reinforced Pump with Low Internal Leakage for Electro-Hydrostatic Actuated Robots. Mechanisms and Machine Science, 2019, , 2439-2448.	0.3	10
96	Linking human motions and objects to language for synthesizing action sentences. Autonomous Robots, 2019, 43, 913-925.	3.2	10
97	The Integration Theory of Reactive Behaviors and Its Application to Reactive Grasp by a Multi-Fingered Hand.. Journal of the Robotics Society of Japan, 1997, 15, 448-459.	0.0	10
98	Modeling and Identifying the Somatic Reflex Network of the Human Neuromuscular System. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2717-21.	0.5	9
99	Optimal estimation of human body segments dynamics using realtime visual feedback. , 2009, , .		9
100	Detecting changes in motion characteristics during sports training. , 2009, 2009, 4011-4.		9
101	A robot hand driven by hydraulic cluster actuators. , 2014, , .		9
102	Spatial adaption of robot trajectories based on laplacian trajectory editing. Autonomous Robots, 2016, 40, 159-173.	3.2	9
103	Adsorption of Nafamostat Mesilate on AN69ST Membranes: A Singleâ€Center Retrospective and In Vitro Study. Therapeutic Apheresis and Dialysis, 2017, 21, 620-627.	0.4	9
104	Dense RGB-D SLAM for Humanoid Robots in the Dynamic Humans Environment. , 2018, , .		9
105	Whole-Body Compliant Motion by Sensor Integration of an EHA-Driven Humanoid <i>Hydra</i> . International Journal of Humanoid Robotics, 2021, 18, 2150002.	0.6	9
106	Employing wave variables for coordinated control of robots with distributed control architecture. , 2008, , .		8
107	Computationally fast estimation of muscle tension for realtime Bio-feedback. , 2009, 2009, 6546-9.		8
108	Anthropomorphic robot hand with hydrostatic cluster actuator and detachable passive wire mechanism. , 2009, , .		8

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109	Identification of Human Mass Properties From Motion. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 988-993.	0.4	8
110	Walking motion generation of humanoid robots: Connection of orbital energy trajectories via minimal energy control. , 2011, , .		8
111	Prediction of human behaviors in the future through symbolic inference. , 2011, , .		8
112	Physical human robot interaction in imitation learning. , 2011, , .		8
113	Measurement crosstalk elimination of torque encoder using selectively compliant suspension. , 2011, , .		8
114	Reactive stepping strategies for bipedal walking based on neutral point and boundary condition optimization. , 2013, , .		8
115	Online deformation of optimal trajectories for constrained nonprehensile manipulation. , 2015, , .		8
116	Construction of a space of motion labels from their mapping to full-body motion symbols. Advanced Robotics, 2015, 29, 115-126.	1.1	8
117	Gesture recognition using hybrid generative-discriminative approach with Fisher Vector. , 2015, , .		8
118	Action database for categorizing and inferring human poses from video sequences. Robotics and Autonomous Systems, 2015, 70, 116-125.	3.0	8
119	Generating action descriptions from statistically integrated representations of human motions and sentences. Neural Networks, 2016, 80, 1-8.	3.3	8
120	Robot Kinematics and Dynamics for Modeling the Human Body. Springer Tracts in Advanced Robotics, 2010, , 49-60.	0.3	8
121	Gravity Compensation on Humanoid Robot Control with Robust Joint Servo and Non-integrated Rate-gyroscope. , 2006, , .		7
122	Interactive topology formation of linguistic space and motion space. , 2007, , .		7
123	Symbolic Proof of Inertia-Parameter Identifiability of Legged Mechanisms from Unactuated Base-Link Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 693-698.	0.4	7
124	Effects of nerve signal transmission delay in somatosensory reflex modeling based on inverse dynamics and optimization. , 2010, , .		7
125	Design of an ankle-knee joint system of a humanoid robot with a linear electro-hydrostatic actuator driven parallel ankle mechanism and redundant biarticular actuators. , 2013, , .		7
126	Motion Recognition Employing Multiple Kernel Learning of Fisher Vectors Using Local Skeleton Features. , 2015, , .		7

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127	Multi-modal gesture recognition using integrated model of motion, audio and video. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 657-665.	1.9	7
128	Supervoxel Plane Segmentation and Multi-Contact Motion Generation for Humanoid Stair Climbing. International Journal of Humanoid Robotics, 2017, 14, 1650022.	0.6	7
129	Development of 3-DOF wrist mechanism for electro-hydraulically driven robot arm. Advanced Robotics, 2020, 34, 958-973.	1.1	7
130	Kinematic Differences Between the Dominant and Nondominant Legs During a Single-Leg Drop Vertical Jump in Female Soccer Players. American Journal of Sports Medicine, 2022, 50, 2817-2823.	1.9	7
131	Association of whole body motion from tool knowledge for humanoid robots. , 2008, , .		6
132	Associating and reshaping of whole body motions for object manipulation. , 2009, , .		6
133	Incremental Learning and Memory Consolidation of Whole Body Human Motion Primitives. Adaptive Behavior, 2009, 17, 484-507.	1.1	6
134	Whole body motion primitive segmentation from monocular video. , 2009, , .		6
135	Incremental Learning of Full Body Motion Primitives. Studies in Computational Intelligence, 2010, , 383-406.	0.7	6
136	Muscle strength and Mass Distribution Identification toward subject-specific musculoskeletal modeling. , 2011, , .		6
137	Analytical real-time pattern generation for trajectory modification and footstep replanning of humanoid robots. , 2012, , .		6
138	Modeling and identification of the human arm stretch reflex using a realistic spiking neural network and musculoskeletal model. , 2013, , .		6
139	Musculoskeletal modeling and physiological validation. , 2014, , .		6
140	Completeness of randomized kinodynamic planners with state-based steering. Robotics and Autonomous Systems, 2017, 89, 85-94.	3.0	6
141	Chaotic Behavior and Nonlinear Control of a Two-joint Planar Arm with a Free Joint. Control on Nonholonomic Mechanisms with Drift.. Journal of the Robotics Society of Japan, 1996, 14, 602-611.	0.0	6
142	Motion-Cancelling Robot System for Minimally Invasive Cardiac Surgery. Journal of the Robotics Society of Japan, 2003, 21, 451-459.	0.0	6
143	Pressure Feedback Control Based on Singular Perturbation Method of an Electro-Hydraulic Actuator for an Exoskeletal Power-Assist System. Journal of Robotics and Mechatronics, 2012, 24, 354-362.	0.5	6
144	In vivo microscope image stabilization through 3-D motion compensation using a contact-type sensor. , 2008, , .		5

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145	Incremental learning of integrated semiotics based on linguistic and behavioral symbols. , 2009, , .		5
146	Characterization of motor skill based on musculoskeletal model. , 2009, 2009, 6542-5.		5
147	Mimetic communication with impedance control for physical human-robot interaction. , 2009, , .		5
148	Associative processes between behavioral symbols and a large scale language model. , 2010, , .		5
149	What do you expect from a robot that tells your future? The crystal ball. , 2010, , .		5
150	Correlated space formation for human whole-body motion primitives and descriptive word labels. Robotics and Autonomous Systems, 2015, 66, 35-43.	3.0	5
151	Using a human action database to recognize actions in monocular image sequences: recovering human whole body configurations. Advanced Robotics, 2015, 29, 771-784.	1.1	5
152	Action recognition from only somatosensory information using spectral learning in a hidden Markov model. Robotics and Autonomous Systems, 2016, 78, 29-35.	3.0	5
153	Small Size Hydraulic Pumps with Low Heat Generation for Electro Hydrostatic Actuation of Humanoid Robots. , 2018, , .		5
154	Synthesis of kinematically constrained full-body motion from stochastic motion model. Autonomous Robots, 2019, 43, 1881-1894.	3.2	5
155	Computation of Marginal External Force Space of Power Grasp Using Polyhedral Convex Set Theory.. Journal of the Robotics Society of Japan, 1997, 15, 728-735.	0.0	5
156	Optical Drive of SMA Active Forceps for Minimally Invasive Surgery.. Journal of the Robotics Society of Japan, 1999, 17, 439-448.	0.0	5
157	Microgravity Rover using Electro-magnetic Actuation.. Journal of the Robotics Society of Japan, 2001, 19, 485-491.	0.0	5
158	Towards Lifelong Learning and Organization of Whole Body Motion Patterns. Springer Tracts in Advanced Robotics, 2010, , 87-97.	0.3	5
159	Estimating viscoelastic properties of human limb joints based on motion capture and robotic Identification Technologies. , 2007, , .		4
160	Realtime identification software for human whole-body segment parameters using motion capture and its visualization interface. , 2009, , .		4
161	Monitoring the segment parameters during long term physical training from motion capture data. , 2009, 2009, 5247-50.		4
162	Comparative study of representations for segmentation of whole body human motion data. , 2009, , .		4

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163	Retrieval and Generation of Human Motions Based on Associative Model between Motion Symbols and Motion Labels. Journal of the Robotics Society of Japan, 2010, 28, 723-734.	0.0	4
164	Generating sentence from motion by using large-scale and high-order N-grams. , 2013, , .		4
165	Spatio-temporal structure of human motion primitives and its application to motion prediction. Robotics and Autonomous Systems, 2016, 75, 288-296.	3.0	4
166	Generation of action description from classification of motion and object. Robotics and Autonomous Systems, 2017, 91, 247-257.	3.0	4
167	Planning of goal-oriented motion from stochastic motion primitives and optimal controlling of joint torques in whole-body. Robotics and Autonomous Systems, 2017, 91, 226-233.	3.0	4
168	Resolved Viscoelasticity Control Considering Singularity for Knee-stretched Walking of a Humanoid. , 2019, , .		4
169	Enhanced effect of recombinant human soluble thrombomodulin by ultrasound irradiation in acute liver failure. Scientific Reports, 2020, 10, 1742.	1.6	4
170	Toward High Power-to-Weight Ratio Electro-hydrostatic Actuators for Robots. Springer Proceedings in Advanced Robotics, 2021, , 116-125.	0.9	4
171	Preferred Oil and Ceramics Options for EHA Drive Systems and Computed Torque Control of an EHA-Driven Robot Manipulator. , 2021, , .		4
172	Design of the Chained Form Manipulator.. Journal of the Robotics Society of Japan, 1999, 17, 61-67.	0.0	4
173	Balanced micro/macro contact model for forward dynamics of rigid multibody. , 0, , .		3
174	Motion capturing from monocular vision by statistical inference based on motion database: Vector field approach. , 2007, , .		3
175	A Painless and Constraint-free Method to Estimate Viscoelastic Passive Dynamics of Limbs' Joints to Support Diagnosis of Neuromuscular Diseases. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5362-5.	0.5	3
176	Special issue on robotics and neuroscience. Neural Networks, 2008, 21, 551-552.	3.3	3
177	Identification of flying humanoids and humans. , 2010, , .		3
178	Motion data retrieval based on statistic correlation between motion symbol space and language. , 2011, , .		3
179	Full body motion adaption based on task-space distance meshes. , 2014, , .		3
180	Neurorobotic Approach to Study Huntington Disease Based on a Mouse Neuromusculoskeletal Model. , 2018, , .		3

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181	Sequential Monte Carlo controller that integrates physical consistency and motion knowledge. <i>Autonomous Robots</i> , 2019, 43, 1523-1536.	3.2	3
182	A data-driven approach to probabilistic impedance control for humanoid robots. <i>Robotics and Autonomous Systems</i> , 2020, 124, 103353.	3.0	3
183	Symbolic Memory of Motion Patterns by an Associative Memory Dynamics with Self-organizing Nonmonotonicity. <i>Lecture Notes in Computer Science</i> , 2007, , 203-213.	1.0	3
184	Experimental Study on Critical Design of Electro-Hydrostatic Actuators Small in Size and Light in Weight. <i>Journal of Robotics and Mechatronics</i> , 2020, 32, 911-922.	0.5	3
185	2P1-F09 Inertial Parameters Identifiability of Humanoid Robot Based on the Baseline Equation of Motion. <i>The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec)</i> , 2008, 2008, _2P1-F09_1-_2P1-F09_4.	0.0	3
186	Non-holonomic Robot Systems. Part 5. Motion Control under Dynamical Non-holonomic Constraints.. <i>Journal of the Robotics Society of Japan</i> , 1994, 12, 231-239.	0.0	3
187	The Chaotic Mobile Robot.. <i>Journal of the Robotics Society of Japan</i> , 1997, 15, 918-926.	0.0	3
188	Hierarchical Concept Formation in Associative Memory Models and its Application to Memory of Motions for Humanoid Robots. , 2006, , .		2
189	Human and humanoid identification from base-link dynamics. , 2008, , .		2
190	Missing motion data recovery using factorial hidden Markov models. , 2008, , .		2
191	Organization of behavioral knowledge from extraction of temporal-spatial features of human whole body motions. , 2010, , .		2
192	Screw pump for Electro-Hydrostatic Actuator that enhances backdrivability. , 2011, , .		2
193	Inverse kinematics based on high-order moments of feature points and their Jacobian matrices. , 2011, , .		2
194	On the structural identifiability of joint parameters from motion capture data. , 2012, , .		2
195	Regularity properties and deformation of wheeled robots trajectories. , 2012, , .		2
196	Sampling-based trajectory imitation in constrained environments using Laplacian-RRT. , 2014, , .		2
197	Completeness of randomized kinodynamic planners with state-based steering. , 2014, , .		2
198	Recursive process of motion recognition and generation for action-based interaction. <i>Advanced Robotics</i> , 2015, 29, 287-299.	1.1	2

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199	Dynamic environment reconstruction using a pitch-and-go laser scanner. <i>Advanced Robotics</i> , 2019, 33, 1293-1309.	1.1	2
200	Acoustic Determination of Contact on the Exterior Surface of the Robot. , 2021, , .		2
201	Mimetic Communication Theory for Humanoid Robots Interacting with Humans. , 2007, , 128-139.		2
202	Motion-Language Association Model for Human-Robot Communication. <i>Springer Tracts in Advanced Robotics</i> , 2014, , 17-30.	0.3	2
203	Spiral Motion of Nonholonomic Space Robots.. <i>Journal of the Robotics Society of Japan</i> , 1995, 13, 1020-1029.	0.0	2
204	Laser-Pointing Endoscope System for Intraoperative 3D Geometric Registration. <i>Journal of the Robotics Society of Japan</i> , 2003, 21, 302-308.	0.0	2
205	Motion Emergence of Humanoid Robots by Attractor Design of a Nonlinear Dynamics. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2005, 41, 533-540.	0.1	2
206	Dynamics simulation of humanoid robots with position-controlled joints and closed kinematic chains. , 2008, , .		1
207	On using methods from robotics to study human task dependent balance during whole-body pointing and drawing movements. , 2012, , .		1
208	Viscous pump for highly backdrivable Electro-Hydrostatic Actuator. , 2012, , .		1
209	Locally weighted least squares policy iteration for model-free learning in uncertain environments. , 2013, , .		1
210	Motion synthesis from stochastically encoded motion primitives for anthropomorphic robotic arm. , 2014, , .		1
211	Adaptive Edge Features Estimation for Humanoid Robot Visual Perception. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2016, , 171-177.	0.3	1
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