

# Mitsuhiro Hayashibe

## List of Publications by Year in descending order

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Version: 2024-02-01

140  
papers

1,528  
citations

361296

20  
h-index

454834

30  
g-index

144  
all docs

144  
docs citations

144  
times ranked

1428  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Survey of Sim-to-Real Transfer Techniques Applied to Reinforcement Learning for Bioinspired Robots. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3444-3459. | 7.2 | 7         |
| 2  | Reinforcement Learning based Hierarchical Control for Path Tracking of a Wheeled Bipedal Robot with Sim-to-Real Framework. , 2022, , .  |     | 4         |
| 3  | Deep Adversarial Domain Adaptation With Few-Shot Learning for Motor-Imagery Brain-Computer Interface. IEEE Access, 2022, 10, 57255-57265.   | 2.6 | 10        |
| 4  | Motor synergy generalization framework for new targets in multi-planar and multi-directional reaching task. Royal Society Open Science, 2022, 9, .                                    | 1.1 | 4         |
| 5  | Prediction of Whole-Body Velocity and Direction From Local Leg Joint Movements in Insect Walking via LSTM Neural Networks. IEEE Robotics and Automation Letters, 2022, 7, 9389-9396.  | 3.3 | 3         |
| 6  | An extended statically equivalent serial chainâ€™s Identification of whole body center of mass with dynamic motion. Gait and Posture, 2021, 84, 45-51.                                | 0.6 | 5         |
| 7  | Balance Stability Augmentation for Wheel-Legged Biped Robot Through Arm Acceleration Control. IEEE Access, 2021, 9, 54022-54031.  | 2.6 | 13        |
| 8  | Towards Robust Wheel-Legged Biped Robot System: Combining Feedforward and Feedback Control. , 2021, , .   |     | 4         |
| 9  | Visual-Electrotactile Stimulation Feedback to Improve Immersive Brain-Computer Interface Based on Hand Motor Imagery. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.  | 1.1 | 15        |
| 10 | Synergy Emergence in Deep Reinforcement Learning for Full-Dimensional Arm Manipulation. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 498-509.                          | 2.1 | 7         |
| 11 | Adaptive and Energy-Efficient Optimal Control in CPGs Through Tegotae-Based Feedback. Frontiers in Robotics and AI, 2021, 8, 632804.  | 2.0 | 5         |
| 12 | Reproducing Human Arm Strategy and Its Contribution to Balance Recovery Through Model Predictive Control. Frontiers in Neurorobotics, 2021, 15, 679570.                               | 1.6 | 4         |
| 13 | Individual deformability compensation of soft hydraulic actuators through iterative learning-based neural network. Bioinspiration and Biomimetics, 2021, 16, 056016.                  | 1.5 | 3         |
| 14 | Emergence of Motor Synergy in Multi-directional Reaching with Deep Reinforcement Learning. , 2021, , .  |     | 0         |
| 15 | Recent Advances in Quantitative Gait Analysis Using Wearable Sensors: A Review. IEEE Sensors Journal, 2021, 21, 26470-26487.  | 2.4 | 13        |
| 16 | Deep Reinforcement Learning Framework for Underwater Locomotion of Soft Robot. , 2021, , .  |     | 12        |
| 17 | Quantification of Joint Redundancy considering Dynamic Feasibility using Deep Reinforcement Learning. , 2021, , .   |     | 0         |
| 18 | An Optimal Transport Based Transferable System for Detection of Erroneous Somato-Sensory Feedback from Neural Signals. Brain Sciences, 2021, 11, 1393.                                | 1.1 | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Grey-box modeling and hypothesis testing of functional near-infrared spectroscopy-based cerebrovascular reactivity to anodal high-definition tDCS in healthy humans. <i>PLoS Computational Biology</i> , 2021, 17, e1009386. | 1.5 | 10        |
| 20 | Spiking Neural Network Discovers Energy-Efficient Hexapod Motion in Deep Reinforcement Learning. <i>IEEE Access</i> , 2021, 9, 150345-150354.  | 2.6 | 4         |
| 21 | Control Strategies for Gait Tele-Rehabilitation System Based on Parallel Robotics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11095.  | 1.3 | 5         |
| 22 | Mutual Information-Based Time Window Adaptation for Improving Motor Imagery-Based BCI. , 2021, , .   |     | 0         |
| 23 | Inter-Subject Transfer Learning Using Euclidean Alignment and Transfer Component Analysis for Motor Imagery-Based BCI. , 2021, , .   |     | 5         |
| 24 | Seamless Temporal Gait Evaluation during Walking and Running Using Two IMU Sensors. , 2021, 2021, 6835-6840.   |     | 5         |
| 25 | Deep Reinforcement Learning with Gait Mode Specification for Quadrupedal Trot-Gallop Energetic Analysis. , 2021, 2021, 4583-4587.  |     | 2         |
| 26 | Simultaneous Quantification of Personalized Balance, Motion Class and Quality for Whole-body Exercise through Synergy Probe. , 2021, 2021, 5756-5759.  |     | 1         |
| 27 | Muscle Fatigue Induced Hand Tremor Clustering in Dynamic Laparoscopic Manipulation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5420-5431.  | 5.9 | 11        |
| 28 | Decoding Hand Motor Imagery Tasks Within the Same Limb From EEG Signals Using Deep Learning. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 692-699.  | 2.1 | 14        |
| 29 | Modeling and Control of a Hybrid Wheeled Legged Robot: Disturbance Analysis. , 2020, , .   |     | 3         |
| 30 | Reinforcement Q-Learning Control With Reward Shaping Function for Swing Phase Control in a Semi-active Prosthetic Knee. <i>Frontiers in Neurorobotics</i> , 2020, 14, 565702.  | 1.6 | 7         |
| 31 | Quantitative Gait Assessment With Feature-Rich Diversity Using Two IMU Sensors. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 639-648.   | 2.1 | 13        |
| 32 | Personalized Balance and Fall Risk Visualization with Kinect Two. , 2020, 2020, 4863-4866.   |     | 5         |
| 33 | Motor Synergy Development in High-Performing Deep Reinforcement Learning Algorithms. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 1271-1278.   | 3.3 | 24        |
| 34 | Discovering Interpretable Dynamics by Sparsity Promotion on Energy and the Lagrangian. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 2154-2160.   | 3.3 | 21        |
| 35 | Identification of Time-Varying and Time-Scalable Synergies From Continuous Electromyographic Patterns. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 3053-3058.   | 3.3 | 8         |
| 36 | Augmenting Motor Imagery Learning for Brain-Computer Interfacing Using Electrical Stimulation as Feedback. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2019, 1, 247-255.                                      | 2.1 | 13        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Assistive Robot Arm Controlled by a P300-based Brain Machine Interface for Daily Activities. , 2019, , .   |     | 9         |
| 38 | Brainâ€“computer interfaceâ€“functional electrical stimulation: from control to neurofeedback in rehabilitation. , 2019, , 779-792.  |     | 0         |
| 39 | Neurophysiological Correlates of tDCS-Induced Modulation of Cortical Sensorimotor Networks. , 2019, , 147-151.   |     | 2         |
| 40 | Restoring prolonged standing via functional electrical stimulation after spinal cord injury: A systematic review of control strategies. Biomedical Signal Processing and Control, 2019, 49, 34-47.                       | 3.5 | 10        |
| 41 | Textile-based Electrode Array for FES and sEMG Recording Fabricated by Screen Printing. , 2019, , .  |     | 0         |
| 42 | Synergetic Learning Control Paradigm for Redundant Robot to Enhance Error-Energy Index. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 573-584.   | 2.6 | 14        |
| 43 | Real-Time Closed-Loop Functional Electrical Stimulation Control of Muscle Activation with Evoked Electromyography Feedback for Spinal Cord Injured Patients. International Journal of Neural Systems, 2018, 28, 1750063. | 3.2 | 24        |
| 44 | Generation of Human-Like Movement from Symbolized Information. Frontiers in Neurorobotics, 2018, 12, 43.   | 1.6 | 10        |
| 45 | Immersive Virtual Reality Feedback in a Brain Computer Interface for Upper Limb Rehabilitation. , 2018, , .  |     | 19        |
| 46 | Implication of N400 and P600 waves in the Linguistic Code Change in Monolinguals and Bilinguals. , 2018, 2018, 2032-2035.  |     | 0         |
| 47 | Differential analysis of muscle fatigue induced elbow and wrist tremor in controlled laparoscopic manoeuvring. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1772.                 | 1.2 | 2         |
| 48 | Empirical Mode Decomposition-based filtering for fatigue induced hand tremor in laparoscopic manipulation. Biomedical Signal Processing and Control, 2017, 31, 339-349.  | 3.5 | 11        |
| 49 | Neural interfacing non-invasive brain stimulation with NIRS-EEG joint imaging for closed-loop control of neuroenergetics in ischemic stroke. , 2017, , .   |     | 5         |
| 50 | A Generic Transferable EEG Decoder for Online Detection of Error Potential in Target Selection. Frontiers in Neuroscience, 2017, 11, 226.  | 1.4 | 28        |
| 51 | Personalized Modeling for Home-Based Postural Balance Rehabilitation. , 2017, , 111-137.   |     | 4         |
| 52 | Virtual Reality-Based Center of Mass-Assisted Personalized Balance Training System. Frontiers in Bioengineering and Biotechnology, 2017, 5, 85.  | 2.0 | 13        |
| 53 | Automatic Human Movement Assessment With Switching Linear Dynamic System: Motion Segmentation and Motor Performance. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 628-640.              | 2.7 | 24        |
| 54 | A study on the effect of electrical stimulation as a user stimuli for motor imagery classification in Brain-Machine Interface. European Journal of Translational Myology, 2016, 26, 6041.                                | 0.8 | 8         |

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|----|---|-----|-----------|
| 55 | A hybrid functional electrical stimulation for real-time estimation of joint torque and closed-loop control of muscle activation. <i>European Journal of Translational Myology</i> , 2016, 26, 6064.                        | 0.8 | 8         |
| 56 | Evoked Electromyographically Controlled Electrical Stimulation. <i>Frontiers in Neuroscience</i> , 2016, 10, 335.   | 1.4 | 9         |
| 57 | A Synergetic Brain-Machine Interfacing Paradigm for Multi-DOF Robot Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 957-968.  | 5.9 | 39        |
| 58 | A study on the effect of Electrical Stimulation during motor imagery learning in Brain-computer interfacing. , 2016, , .  |     | 4         |
| 59 | Real-time estimation of FES-induced joint torque with evoked EMG. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 60.   | 2.4 | 28        |
| 60 | NIRS-EEG joint imaging during transcranial direct current stimulation: Online parameter estimation with an autoregressive model. <i>Journal of Neuroscience Methods</i> , 2016, 274, 71-80.                                 | 1.3 | 41        |
| 61 | The difference between electrical microstimulation and direct electrical stimulation “ towards new opportunities for innovative functional brain mapping?. <i>Reviews in the Neurosciences</i> , 2016, 27, 231-258.         | 1.4 | 25        |
| 62 | Case report: Remote neuromodulation with direct electrical stimulation of the brain, as evidenced by intra-operative EEG recordings during wide-awake neurosurgery. <i>Clinical Neurophysiology</i> , 2016, 127, 1752-1754. | 0.7 | 2         |
| 63 | Locomotor improvement of spinal cord-injured rats through treadmill training by forced plantar placement of hind paws. <i>Spinal Cord</i> , 2016, 54, 521-529.  | 0.9 | 22        |
| 64 | Empirical Mode Analysis for Characterization of Hand Tremor in the Design of Laparoscopic Tools1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .  | 0.4 | 2         |
| 65 | Editorial: Biosignal processing and computational methods to enhance sensory motor neuroprosthetics. <i>Frontiers in Neuroscience</i> , 2015, 9, 434.   | 1.4 | 9         |
| 66 | Inverse Estimation of Multiple Muscle Activations From Joint Moment With Muscle Synergy Extraction. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 64-73.   | 3.9 | 22        |
| 67 | Functional connectivity analysis of motor imagery EEG signal for brain-computer interfacing application. , 2015, , .  |     | 9         |
| 68 | Methodology for automatic movement cycle extraction using Switching Linear Dynamic System. , 2015, , .  |     | 1         |
| 69 | Synthesis of optimal electrical stimulation patterns for functional motion restoration: applied to spinal cord-injured patients. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 227-240.               | 1.6 | 6         |
| 70 | Adaptive Interface for Personalized Center of Mass Self-Identification in Home Rehabilitation. <i>IEEE Sensors Journal</i> , 2015, , 1-1.   | 2.4 | 11        |
| 71 | Real-time closed-loop FES control of muscle activation with evoked EMG feedback. , 2015, , .  |     | 7         |
| 72 | A personalized balance measurement for home-based rehabilitation. , 2015, , .   |     | 3         |

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|----|--|-----|-----------|
| 73 | Human Movement Understanding [TC Spotlight]. IEEE Robotics and Automation Magazine, 2015, 22, 22-24.   | 2.2 | 7         |
| 74 | Determination of subject specific whole-body centre of mass using the 3D Statically Equivalent Serial Chain. Gait and Posture, 2015, 41, 70-75.  | 0.6 | 19        |
| 75 | Tacit Learning for Emergence of Task-Related Behaviour through Signal Accumulation. Advances in Intelligent Systems and Computing, 2015, , 31-38.  | 0.5 | 1         |
| 76 | Whole Body Center of Mass Estimation with Portable Sensors: Using the Statically Equivalent Serial Chain and a Kinect. Sensors, 2014, 14, 16955-16971.   | 2.1 | 56        |
| 77 | Dominant component in muscle fatigue induced hand tremor during laparoscopic surgical manipulation. , 2014, 2014, 6539-42.   |     | 8         |
| 78 | Asymmetric interhemispheric excitability evidenced by event-related potential amplitude patterns after "wide-awake surgery" of brain tumours. Experimental Brain Research, 2014, 232, 3907-3918.   | 0.7 | 3         |
| 79 | Muscle Fatigue Tracking with Evoked EMG via Recurrent Neural Network: Toward Personalized Neuroprosthetics. IEEE Computational Intelligence Magazine, 2014, 9, 38-46.  | 3.4 | 58        |
| 80 | A new method for muscle fatigue assessment: Online model identification techniques. Muscle and Nerve, 2014, 50, 556-563.   | 1.0 | 0         |
| 81 | Synergetic motor control paradigm for optimizing energy efficiency of multijoint reaching via tacit learning. Frontiers in Computational Neuroscience, 2014, 8, 21.  | 1.2 | 23        |
| 82 | A System for Real-Time Estimation of Joint Torque with Evoked EMG under Electrical Stimulation. Biosystems and Biorobotics, 2014, , 513-520.   | 0.2 | 1         |
| 83 | Real-Time Muscle Deformation via Decoupled Modeling of Solid and Muscle Fiber Mechanics. Lecture Notes in Computer Science, 2014, 17, 65-72.   | 1.0 | 3         |
| 84 | Experimental parameter identification of a multi-scale musculoskeletal model controlled by electrical stimulation: application to patients with spinal cord injury. Medical and Biological Engineering and Computing, 2013, 51, 617-631. | 1.6 | 8         |
| 85 | Voluntary EMG-to-force estimation with a multi-scale physiological muscle model. BioMedical Engineering OnLine, 2013, 12, 86.  | 1.3 | 35        |
| 86 | Evoked Electromyography-Based Closed-Loop Torque Control in Functional Electrical Stimulation. IEEE Transactions on Biomedical Engineering, 2013, 60, 2299-2307.   | 2.5 | 61        |
| 87 | Online identification and visualization of the statically equivalent serial chain via constrained Kalman filter. , 2013, , .   |     | 8         |
| 88 | In Vivo Identification of Skeletal Muscle Dynamics with Nonlinear Kalman Filter: Comparison between EKF and SPKF. ISRN Rehabilitation, 2013, 2013, 1-10.   | 0.6 | 1         |
| 89 | Forward estimation of joint torque from EMG signal through muscle synergy combinations. , 2013, , .  |     | 2         |
| 90 | Inverse estimation of muscle activations from joint torque via local multiple regression. , 2013, 2013, 6639-42.   |     | 1         |

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| 91  | Center of Mass Estimation for Rehabilitation in a Multi-contact Environment: A Simulation Study. , 2013, , .  |     | 5         |
| 92  | Emergence of motor synergy in vertical reaching task via tacit learning. , 2013, 2013, 4985-8.  |     | 2         |
| 93  | Subject-Specific Center of Mass Estimation for In-Home Rehabilitation â€œ Kinect-Wii Board vs. Vicon-Force Plate. Biosystems and Biorobotics, 2013, , 705-709.    | 0.2 | 4         |
| 94  | Inverse Estimation of Multiple Muscle Activations under Isokinetic Condition. Biosystems and Biorobotics, 2013, , 347-351.  | 0.2 | 3         |
| 95  | â€œAwake Surgeryâ€•of Slow-Growing Tumors and Cortical Excitability Measured by EEG Recordings: Preliminary Results. Biosystems and Biorobotics, 2013, , 525-528. | 0.2 | 0         |
| 96  | Simulation of tremor on 3-dimentional musculoskeletal model of wrist joint and experimental verification ?. , 2012, 2012, 4823-6.                                 |     | 2         |
| 97  | Three dimensional visualization of the statically equivalent serial chain from kinect recording. , 2012, 2012, 4843-6.  |     | 7         |
| 98  | Active joint visco-elasticity estimation of the human knee using FES. , 2012, , .   |     | 1         |
| 99  | FES-induced muscular torque prediction with evoked EMG synthesized by NARX-type recurrent neural network. , 2012, , .   |     | 12        |
| 100 | Estimation of the center of mass with Kinect and Wii balance board. , 2012, , .   |     | 34        |
| 101 | 3D volumetric muscle modeling for real-time deformation analysis with FEM. , 2012, 2012, 4863-6.  |     | 4         |
| 102 | Muscle fatigue tracking based on stimulus evoked EMG and adaptive torque prediction. , 2011, , .  |     | 6         |
| 103 | Joint angle estimation in rehabilitation with inertial sensors and its integration with Kinect. , 2011, 2011, 3479-83.  |     | 72        |
| 104 | FES-Induced Torque Prediction With Evoked EMG Sensing for Muscle Fatigue Tracking. IEEE/ASME Transactions on Mechatronics, 2011, 16, 816-826.                     | 3.7 | 64        |
| 105 | Multiscale modeling of skeletal muscle properties and experimental validations in isometric conditions. Biological Cybernetics, 2011, 105, 121-138.               | 0.6 | 20        |
| 106 | Dual predictive control of electrically stimulated muscle using biofeedback for drop foot correction. , 2011, , .   |     | 11        |
| 107 | Muscle strength and Mass Distribution Identification toward subject-specific musculoskeletal modeling. , 2011, , .  |     | 6         |
| 108 | Evoked EMG-based torque prediction under muscle fatigue in implanted neural stimulation. Journal of Neural Engineering, 2011, 8, 064001.                          | 1.8 | 28        |

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|-----|--|-----|-----------|
| 109 | Muscle strength and Mass Distribution Identification toward subject-specific musculoskeletal modeling. , 2011, , .   |     | 3         |
| 110 | Dual predictive control of electrically stimulated muscle using biofeedback for drop foot correction. , 2011, , .  |     | 0         |
| 111 | Torque prediction using stimulus evoked EMG and its identification for different muscle fatigue states in SCI subjects. , 2010, 2010, 3523-6.                                  |     | 2         |
| 112 | Nonlinear identification method corresponding to muscle property variation in FES - experiments in paraplegic patients. , 2010, , .  |     | 5         |
| 113 | EMG-based neuromuscular modeling with full physiological dynamics and its comparison with modified hill model. , 2009, 2009, 6530-3.   |     | 12        |
| 114 | Identification and validation of FES physiological musculoskeletal model in paraplegic subjects. , 2009, 2009, 6538-41.  |     | 5         |
| 115 | EMG-to-force estimation with full-scale physiology based muscle model. , 2009, , .   |     | 16        |
| 116 | Simulating the Human Motion Under Functional Electrical Stimulation Using the HuMAnS Toolbox. , 2009, , 121-131.   |     | 0         |
| 117 | Nonlinear identification of skeletal muscle dynamics with sigma-point kalman filter for model-based FES. , 2008, , .   |     | 8         |
| 118 | Intraoperative 3D visualization for surgical field deformation with geometric pattern projection. Systems and Computers in Japan, 2006, 37, 45-54.                             | 0.2 | 0         |
| 119 | Laser-scan endoscope system for intraoperative geometry acquisition and surgical robot safety management. Medical Image Analysis, 2006, 10, 509-519.                           | 7.0 | 61        |
| 120 | Robotic surgery setup simulation with the integration of inverse-kinematics computation and medical imaging. Computer Methods and Programs in Biomedicine, 2006, 83, 63-72.    | 2.6 | 22        |
| 121 | Surgical navigation display system using volume rendering of intraoperatively scanned CT images. Computer Aided Surgery, 2006, 11, 240-246.                                    | 1.8 | 4         |
| 122 | Surgical navigation display system using volume rendering of intraoperatively scanned CT images. Computer Aided Surgery, 2006, 11, 240-246.                                    | 1.8 | 4         |
| 123 | Gastrointestinal: Fine-needle aspiration biopsy using three-dimensional endoscopic ultrasound. Journal of Gastroenterology and Hepatology (Australia), 2005, 20, 1941-1941.    | 1.4 | 1         |
| 124 | Preoperative planning system for surgical robotics setup with kinematics and haptics. International Journal of Medical Robotics and Computer Assisted Surgery, 2005, 1, 76-85. | 1.2 | 33        |
| 125 | Tele-surgery simulation with a patient organ model for robotic surgery training. International Journal of Medical Robotics and Computer Assisted Surgery, 2005, 1, 80-88.      | 1.2 | 18        |
| 126 | Motion analysis system using DSVC (dynamic spatial video camera) and 4D human modeling. International Congress Series, 2005, 1281, 1376.                                       | 0.2 | 2         |



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|-----|---|------|-----------|
| 127 | Tele-surgery simulation to perform surgical training of abdominal da Vinci surgery. International Congress Series, 2005, 1281, 531-536.                             | 0.2  | 3         |
| 128 | Data-Fusion Display System with Volume Rendering of Intraoperatively Scanned CT Images. Lecture Notes in Computer Science, 2005, 8, 559-566.                        | 1.0  | 3         |
| 129 | Surgical robot setup simulation with consistent kinematics and haptics for abdominal surgery. Studies in Health Technology and Informatics, 2005, 111, 164-6.       | 0.2  | 1         |
| 130 | Navigation system for a developed endoscopic surgical robot system. International Congress Series, 2004, 1268, 539-544.   | 0.2  | 3         |
| 131 | Tele-training simulation for the surgical robot system "da Vinci". International Congress Series, 2004, 1268, 86-91.  | 0.2  | 7         |
| 132 | Development of an elastic organ model containing voxel information. International Congress Series, 2004, 1268, 395-400.   | 0.2  | 0         |
| 133 | 4D analysis of skeletal and muscular system during locomotion using dynamic spatial video camera system. International Congress Series, 2004, 1268, 1239.           | 0.2  | 1         |
| 134 | A real-time data fusion system updating 3D organ shapes using color information from multi-directional cameras. International Congress Series, 2004, 1268, 741-746. | 0.2  | 1         |
| 135 | An interactive planning system for optimal trocar site placement of surgical robot da Vinci. International Congress Series, 2004, 1268, 1336.                       | 0.2  | 0         |
| 136 | Laser-Pointing Endoscope System for Intraoperative 3D Geometric Registration. Journal of the Robotics Society of Japan, 2003, 21, 302-308.                          | 0.0  | 2         |
| 137 | Passive Safety Enhancement in Surgical Robot Navigation.. Journal of the Robotics Society of Japan, 2003, 21, 178-184.  | 0.0  | 1         |
| 138 | Intraoperative Fast 3D Shape Recovery of Abdominal Organs in Laparoscopy. Lecture Notes in Computer Science, 2002, , 356-363.                                       | 1.0  | 8         |
| 139 | Release from the Feedback Inhibition controlling the Biosynthesis of Isoleucine. Nature, 1961, 191, 1417-1418.  | 13.7 | 12        |
| 140 | Laser-pointing endoscope system for intra-operative 3D geometric registration. , 0, , .   |      | 22        |