

Lakmal D Seneviratne

List of Publications by Year in descending order

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171
papers

5,378
citations

117453

34
h-index

110170

64
g-index

173
all docs

173
docs citations

173
times ranked

4168
citing authors

#	ARTICLE	IF	CITATIONS
1	State-of-the-Art in Force and Tactile Sensing for Minimally Invasive Surgery. IEEE Sensors Journal, 2008, 8, 371-381.	2.4	456
2	Stability Analysis of Interval Type-2 Fuzzy-Model-Based Control Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 617-628.	5.5	384
3	Product Cost Estimation: Technique Classification and Methodology Review. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2006, 128, 563-575.	1.3	335
4	A Survey of Small-Scale Unmanned Aerial Vehicles: Recent Advances and Future Development Trends. Unmanned Systems, 2014, 02, 175-199.	2.7	264
5	Miniature 3-Axis Distal Force Sensor for Minimally Invasive Surgical Palpation. IEEE/ASME Transactions on Mechatronics, 2012, 17, 646-656.	3.7	201
6	A review on the platform design, dynamic modeling and control of hybrid UAVs. , 2015, , .		119
7	MRI-Compatible Fiber-Optic Force Sensors for Catheterization Procedures. IEEE Sensors Journal, 2010, 10, 1598-1608.	2.4	115
8	Fused Deposition Modeling for Unmanned Aerial Vehicles (UAVs): A Review. Advanced Engineering Materials, 2018, 20, 1700552.	1.6	104
9	Autonomous Wireless Self-Charging for Multi-Rotor Unmanned Aerial Vehicles. Energies, 2017, 10, 803.	1.6	101
10	Triaxial Catheter-Tip Force Sensor for MRI-Guided Cardiac Procedures. IEEE/ASME Transactions on Mechatronics, 2013, 18, 386-396.	3.7	95
11	Rolling Mechanical Imaging for Tissue Abnormality Localization During Minimally Invasive Surgery. IEEE Transactions on Biomedical Engineering, 2010, 57, 404-414.	2.5	93
12	A survey on multi-robot coverage path planning for model reconstruction and mapping. SN Applied Sciences, 2019, 1, 1.	1.5	91
13	Unified kinematics and optimal design of a 3rRPS metamorphic parallel mechanism with a reconfigurable revolute joint. Mechanism and Machine Theory, 2016, 96, 239-254.	2.7	87
14	Rolling Indentation Probe for Tissue Abnormality Identification During Minimally Invasive Surgery. IEEE Transactions on Robotics, 2011, 27, 450-460.	7.3	75
15	A Novel Continuum Manipulator Design Using Serially Connected Double-Layer Planar Springs. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1281-1292.	3.7	75
16	MRI-Compatible Intensity-Modulated Force Sensor for Cardiac Catheterization Procedures. IEEE Transactions on Biomedical Engineering, 2011, 58, 721-726.	2.5	73
17	Mathematical Modeling of Intensity-Modulated Bent-Tip Optical Fiber Displacement Sensors. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 283-291.	2.4	63
18	Track terrain modelling and traversability prediction for tracked vehicles on soft terrain. Journal of Terramechanics, 2010, 47, 151-160.	1.4	62

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19	Finite-Element Modeling of Soft Tissue Rolling Indentation. IEEE Transactions on Biomedical Engineering, 2011, 58, 3319-3327.	2.5	62
20	A Kalman Filter-Integrated Optical Flow Method for Velocity Sensing of Mobile Robots. IEEE/ASME Transactions on Mechatronics, 2011, 16, 551-563.	3.7	58
21	Surface material recognition through haptic exploration using an intelligent contact sensing finger. , 2012, , .		57
22	Novel miniature MRI-compatible fiber-optic force sensor for cardiac catheterization procedures. , 2010, , .		56
23	Discrete Cosserat approach for soft robot dynamics: A new piece-wise constant strain model with torsion and shears. , 2016, , .		56
24	Additive Manufactured Sandwich Composite/ABS Parts for Unmanned Aerial Vehicle Applications. Polymers, 2018, 10, 1262.	2.0	55
25	Multi-fingered haptic palpation utilizing granular jamming stiffness feedback actuators. Smart Materials and Structures, 2014, 23, 095007.	1.8	54
26	Magnetic Resonance-Compatible Tactile Force Sensor Using Fiber Optics and Vision Sensor. IEEE Sensors Journal, 2014, 14, 829-838.	2.4	54
27	Reconfigurability and unified kinematics modeling of a 3rTPS metamorphic parallel mechanism with perpendicular constraint screws. Robotics and Computer-Integrated Manufacturing, 2013, 29, 121-128.	6.1	53
28	Stability analysis of a three-term backpropagation algorithm. Neural Networks, 2005, 18, 1341-1347.	3.3	52
29	Efficient Break-Away Friction Ratio and Slip Prediction Based on Haptic Surface Exploration. IEEE Transactions on Robotics, 2014, 30, 203-219.	7.3	50
30	A unified multi-soft-body dynamic model for underwater soft robots. International Journal of Robotics Research, 2018, 37, 648-666.	5.8	49
31	Unified Kinematics and Singularity Analysis of a Metamorphic Parallel Mechanism With Bifurcated Motion. Journal of Mechanisms and Robotics, 2013, 5, .	1.5	48
32	Finger contact sensing and the application in dexterous hand manipulation. Autonomous Robots, 2015, 39, 25-41.	3.2	48
33	Chaotic Synchronization Using Sampled-Data Fuzzy Controller Based on Fuzzy-Model-Based Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 883-892.	3.5	47
34	Tactile image based contact shape recognition using neural network. , 2012, , .		47
35	Modeling of Light Intensity-Modulated Fiber-Optic Displacement Sensors. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1408-1415.	2.4	46
36	An Optical Tactile Array Probe Head for Tissue Palpation During Minimally Invasive Surgery. IEEE Sensors Journal, 2014, 14, 3283-3291.	2.4	44

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37	Multi-fingered haptic palpation using pneumatic feedback actuators. <i>Sensors and Actuators A: Physical</i> , 2014, 218, 132-141.	2.0	42
38	Reinforcement learning in a rule-based navigator for robotic manipulators. <i>Neurocomputing</i> , 2001, 37, 51-70.	3.5	41
39	Optical Fiber Sensor for Soft Tissue Investigation during Minimally Invasive Surgery. , 2008, , .		41
40	An optical curvature sensor for flexible manipulators. , 2013, , .		40
41	A computationally fast algorithm for local contact shape and pose classification using a tactile array sensor. , 2012, , .		39
42	Additive Manufacturing of Porous Structures for Unmanned Aerial Vehicles Applications. <i>Advanced Engineering Materials</i> , 2018, 20, 1800290.	1.6	36
43	A Shortest Path Based Path Planning Algorithm for Nonholonomic Mobile Robots. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1999, 24, 347-366.	2.0	34
44	Combining touch and vision for the estimation of an object's pose during manipulation. , 2013, , .		34
45	Singularity-Free Workspace Aimed Optimal Design of a 2T2R Parallel Mechanism for Automated Fiber Placement. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	1.5	34
46	Using visual cues to enhance haptic feedback for palpation on virtual model of soft tissue. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 1177-1186.	1.6	33
47	Accurate Bolt Tightening Using Model-Free Fuzzy Control for Wind Turbine Hub Bearing Assembly. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 1-12.	3.2	33
48	Constraint-plane-based synthesis and topology variation of a class of metamorphic parallel mechanisms. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 4179-4191.	0.7	32
49	Three-Degree-of-Freedom MR-Compatible Multisegment Cardiac Catheter Steering Mechanism. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2425-2435.	2.5	32
50	Variable Motion/Force Transmissibility of a Metamorphic Parallel Mechanism With Reconfigurable 3T and 3R Motion. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	1.5	31
51	A Dual-Function Wheeled Probe for Tissue Viscoelastic Property Identification during Minimally Invasive Surgery. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	30
52	Screw-Based Modeling of Soft Manipulators With Tendon and Fluidic Actuation. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	1.5	30
53	State of the Art in Vision-Based Localization Techniques for Autonomous Navigation Systems. <i>IEEE Access</i> , 2021, 9, 76847-76874.	2.6	30
54	A novel continuum-style robot with multilayer compliant modules. , 2014, , .		27

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55	Intra-operative tumour localisation in robot-assisted minimally invasive surgery: A review. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 509-522.	1.0	24
56	Feasibility study- novel optical soft tactile array sensing for minimally invasive surgery. , 2015, , .		24
57	Force Analysis of a Vibratory Bowl Feeder for Automatic Assembly. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 637-645.	1.7	23
58	A fibre-optic catheter-tip force sensor with MRI compatibility: A feasibility study. , 2009, 2009, 1501-054.		22
59	Forward Kinematics Solution Distribution and Analytic Singularity-Free Workspace of Linear-Actuated Symmetrical Spherical Parallel Manipulators. Journal of Mechanisms and Robotics, 2015, 7, .	1.5	22
60	Bilateral shared autonomous systems with passive and nonpassive input forces under time varying delay. ISA Transactions, 2015, 54, 218-228.	3.1	21
61	Stiffness Design for a Spatial Three Degrees of Freedom Serial Compliant Manipulator Based on Impact Configuration Decomposition. Journal of Mechanisms and Robotics, 2013, 5, .	1.5	20
62	Neuromorphic Event-Based Slip Detection and Suppression in Robotic Grasping and Manipulation. IEEE Access, 2020, 8, 153364-153384.	2.6	20
63	Inverse finite-element modeling for tissue parameter identification using a rolling indentation probe. Medical and Biological Engineering and Computing, 2014, 52, 17-28.	1.6	19
64	Modeling, design & characterization of a novel Passive Variable Stiffness Joint (pVSJ). , 2016, , .		19
65	Vision-based haptic feedback for capsule endoscopy navigation: a proof of concept. Journal of Micro-Bio Robotics, 2016, 11, 35-45.	2.1	19
66	Design of A Novel Passive Binary-Controlled Variable Stiffness Joint (BpVSJ) Towards Passive Haptic Interface Application. IEEE Access, 2018, 6, 63045-63057.	2.6	19
67	Passive Discrete Variable Stiffness Joint (pDVSJ-II): Modeling, Design, Characterization, and Testing Toward Passive Haptic Interface. Journal of Mechanisms and Robotics, 2019, 11, .	1.5	19
68	Soil Parameter Identification and Driving Force Prediction for Wheel-Terrain Interaction. International Journal of Advanced Robotic Systems, 2008, 5, 35.	1.3	18
69	Hybrid Soil Parameter Measurement and Estimation Scheme for Excavation Automation. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3633-3641.	2.4	18
70	Fiber optics tactile array probe for tissue palpation during minimally invasive surgery. , 2013, , .		17
71	Air-float Palpation Probe for Tissue Abnormality Identification During Minimally Invasive Surgery. IEEE Transactions on Biomedical Engineering, 2013, 60, 2735-2744.	2.5	17
72	Joint force decomposition and variation in unified inverse dynamics analysis of a metamorphic parallel mechanism. Meccanica, 2016, 51, 1583-1593.	1.2	17

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73	BMI-Based Stability and Performance Design for Fuzzy-Model-Based Control Systems Subject to Parameter Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 502-514.	5.5	16
74	Rolling Mechanical Imaging: A novel Approach for Soft Tissue Modelling and Identification during Minimally Invasive Surgery. , 2008, , .		16
75	Pixel-based optical fiber tactile force sensor for robot manipulation. , 2012, , .		16
76	Tissue stiffness simulation and abnormality localization using pseudo-haptic feedback. , 2012, , .		16
77	Control a contact sensing finger for surface haptic exploration. , 2014, , .		16
78	Novel Force Sensing Approach Employing Prismatic-Tip Optical Fiber Inside an Orthoplanar Spring Structure. IEEE/ASME Transactions on Mechatronics, 2014, 19, 121-130.	3.7	16
79	Guided Next Best View for 3D Reconstruction of Large Complex Structures. Remote Sensing, 2019, 11, 2440.	1.8	16
80	On the Design and Development of Vision-based Tactile Sensors. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	2.0	16
81	Optical Flow Algorithm for Velocity Estimation of Ground Vehicles: A Feasibility Study. International Journal on Smart Sensing and Intelligent Systems, 2008, 1, .	0.4	16
82	Optical Flow-Based Slip and Velocity Estimation Technique for Unmanned Skid-Steered Vehicles. , 2008, , .		15
83	Robust adaptive control design for quadcopter payload add and drop applications. , 2015, , .		15
84	Neuromorphic Eye-in-Hand Visual Servoing. IEEE Access, 2021, 9, 55853-55870.	2.6	15
85	Dynamic Analysis and Traversability Prediction of Tracked Vehicles on Soft Terrain. , 2007, , .		14
86	A novel tumor localization method using haptic palpation based on soft tissue probing data. , 2014, , .		14
87	Modeling, Control, and Numerical Simulations of a Novel Binary-Controlled Variable Stiffness Actuator (BcVSA). Frontiers in Robotics and AI, 2018, 5, 68.	2.0	14
88	Design and Control of a Discrete Variable Stiffness Actuator With Instant Stiffness Switch for Safe Human-Robot Interaction. IEEE Access, 2021, 9, 118215-118231.	2.6	14
89	Real-time grasping strategies using event camera. Journal of Intelligent Manufacturing, 2022, 33, 593-615.	4.4	14
90	Novel design of a 3-axis optical fiber force sensor for applications in magnetic resonance environments. , 2009, , .		13

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91	The modelling and estimation of driving forces for unmanned ground vehicles in outdoor terrain. International Journal of Modelling, Identification and Control, 2009, 6, 40.	0.2	13
92	Neuromorphic Vision Based Contact-Level Classification in Robotic Grasping Applications. Sensors, 2020, 20, 4724.	2.1	13
93	An Ultrasonic Profiling Method for the Inspection of Tubular Structures. Computer-Aided Civil and Infrastructure Engineering, 2007, 22, 400-418.	6.3	12
94	A novel dynamic slip prediction and compensation approach based on haptic surface exploration. , 2012, , .		12
95	Pseudo-haptics for rigid tool/soft surface interaction feedback in virtual environments. Mechatronics, 2014, 24, 1092-1100.	2.0	12
96	Monitoring of Self-Tapping Screw Fastenings Using Artificial Neural Networks. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2005, 127, 236-243.	1.3	11
97	The Development of nonlinear Viscoelastic Model for the Application of Soft Tissue Identification. , 2007, , .		11
98	Miniaturized triaxial optical fiber force sensor for MRI-Guided minimally invasive surgery. , 2010, , .		11
99	Modeling and Optimizing Output Characteristics of Intensity Modulated Optical Fiber-Based Displacement Sensors. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 758-767.	2.4	11
100	Coverage Path Planning with Adaptive Viewpoint Sampling to Construct 3D Models of Complex Structures for the Purpose of Inspection. , 2018, , .		11
101	VISION-BASED VELOCITY ESTIMATION FOR UNMANNED GROUND VEHICLES. International Journal of Information Acquisition, 2007, 04, 303-315.	0.2	10
102	Tactile sensor array using prismatic-tip optical fibers for dexterous robotic hands. , 2010, , .		10
103	Novel indentation depth measuring system for stiffness characterization in soft tissue palpation. , 2012, , .		10
104	Haptics for Multi-fingered Palpation. , 2013, , .		10
105	Hierarchical Spatiotemporal Graph Regularized Discriminative Correlation Filter for Visual Object Tracking. IEEE Transactions on Cybernetics, 2022, 52, 12259-12274.	6.2	10
106	Vision and inertial-based image mapping for capsule endoscopy. , 2015, , .		9
107	Novel passive Discrete Variable Stiffness Joint (pDVSJ): Modeling, design, and characterization. , 2016, , .		9
108	Coverage Path Planning for Complex Structures Inspection Using Unmanned Aerial Vehicle (UAV). Lecture Notes in Computer Science, 2019, , 243-266.	1.0	9

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109	Visual Odometry for Velocity Estimation of UGVs. , 2007, , .		8
110	PID-LQR controllers for quad-rotor hovering mode. , 2017, , .		8
111	A novel approach for Self-Localization based on Computer Vision and Artificial Marker Deposition. , 2007, , .		7
112	Experimental Study of Soft Tissue Recovery using Optical Fiber Probe. , 2007, , .		7
113	A game-theoretic approach to non-cooperative target assignment. Robotics and Autonomous Systems, 2010, 58, 955-962.	3.0	7
114	A 2-Axis Optical Force-Torque Fingertip Sensor for Dexterous Grasping Using Linear Polarizers. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3363-3377.	2.4	7
115	Developing a Magnetic Resonance-Compatible Catheter for Cardiac Catheterization. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .	0.4	7
116	Frontier-based exploration for unknown environments using incremental triangulation. , 2013, , .		7
117	Adaptive control for robot manipulators using multiple parameter models. International Journal of Control, Automation and Systems, 2016, 14, 1365-1375.	1.6	7
118	Numerical inversion of the dynamic model of a single-cylinder diesel engine. Communications in Numerical Methods in Engineering, 2000, 16, 505-517.	1.3	6
119	Modelling of closed-chain manipulators on an excavator vehicle. Mathematical and Computer Modelling of Dynamical Systems, 2006, 12, 329-345.	1.4	6
120	Non-linear Observer for Slip Parameter Estimation of Unmanned Wheeled Vehicles. , 2007, , .		6
121	Air-cushion force sensitive probe for soft tissue investigation during minimally invasive surgery. , 2008, , .		6
122	Model-free fuzzy tightening control for bolt/nut joint connections of wind turbine hubs. , 2013, , .		6
123	Estimation of tissue stiffness using a prototype of air-float stiffness probe. , 2014, , .		6
124	Towards Safe Physical Human-Robot Interaction by Exploring the Rapid Stiffness Switching Feature of Discrete Variable Stiffness Actuation. IEEE Robotics and Automation Letters, 2022, 7, 8084-8091.	3.3	6
125	A robust slip estimation method for skid-steered mobile robots. , 2008, , .		5
126	Wheel/tissue force interaction: A new concept for soft tissue diagnosis during MIS. , 2008, 2008, 5556-9.		5

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127	A stiffness probe based on force and vision sensing for soft tissue diagnosis. , 2012, 2012, 944-7.		5
128	Novel Air-float Tactile Array for Stiffness Characterization in Soft Tissue Palpation. Procedia Engineering, 2012, 41, 281-288.	1.2	5
129	Frequency-domain flight dynamics model identification of MAVs -miniature quad-rotor aerial vehicles. , 2014, , .		5
130	Reconfiguration and Static Joint Force Variation of a 3rRPS Metamorphic Parallel Mechanism with 3R and 1T2R Motion. Mechanisms and Machine Science, 2016, , 213-222.	0.3	5
131	Multi-Robot Hybrid Coverage Path Planning for 3D Reconstruction of Large Structures. IEEE Access, 2022, 10, 2037-2050.	2.6	5
132	A model-based approach to cooperative operation of multirobot systems. Industrial Robot, 2008, 35, 37-45.	1.2	4
133	Air-Cushion Force-Sensitive Probe for Soft Tissue Investigation During Minimally Invasive Surgery. Journal of Endourology, 2009, 23, 1421-1424.	1.1	4
134	Ex vivo study of prostate cancer localization using rolling mechanical imaging towards minimally invasive surgery. Medical Engineering and Physics, 2017, 43, 112-117.	0.8	4
135	Simulation of ultrasound imaging inside fully charged pipes. Automation in Construction, 2006, 15, 355-364.	4.8	3
136	A robust downward-looking camera based velocity estimation with height compensation for mobile robots. , 2010, , .		3
137	Towards kinematic modeling of a multi-DOF tendon driven robotic catheter. , 2014, 2014, 3009-12.		3
138	Design, Kinematics and Prototype of a Flexible Robot Arm With Planar Springs. , 2015, , .		3
139	First-Principles Modeling of A Miniature Tilt-Rotor Convertiplane in Low-Speed Operation. , 2016, , .		3
140	Incremental 3D Body Reconstruction Framework for Robotic Telepresence Applications. , 2011, , .		3
141	Real-Time Adaptive Dynamics Based State Estimation Scheme for Unmanned Aircrafts. IEEE Sensors Journal, 2022, 22, 14397-14414.	2.4	3
142	Fully non-cooperative optimal placement of mobile vehicles. , 2008, , .		2
143	Maneuverability Performance of Tracked Vehicles on Soft Terrains. , 2008, , .		2
144	VISUAL ODOMETRY TECHNIQUE USING CIRCULAR MARKER IDENTIFICATION FOR MOTION PARAMETER ESTIMATION. , 2008, , .		2

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145	THE SCIENCE BEHIND HAPTICS IN ROBOTIC UROLOGICAL SURGERY. <i>BJU International</i> , 2009, 104, 433-434.	1.3	2
146	Mapping for Unknown Environments Using Triangulated Maps. , 2013, , .		2
147	Object shape perception in blind robot grasping using a wrist force/torque sensor. , 2013, , .		2
148	Control Schemes for Passive Teleoperation Systems over Wide Area Communication Networks with Time Varying Delay. <i>International Journal of Automation and Computing</i> , 2014, 11, 100-108.	4.5	2
149	Variable Motion/Force Transmissibility of a Metamorphic Parallel Mechanism With Reconfigurable 3T and 3R Motion. , 2015, , .		2
150	A Proposed Clinical Evaluation of a Simulation Environment for Magnetically-Driven Active Endoscopic Capsules. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1170, 87-94.	0.8	2
151	Modelling soft tissue-mechatronic tool interactions during indentation. <i>International Journal of Modelling, Identification and Control</i> , 2008, 4, 337.	0.2	1
152	A Vision-Based Technique for Vehicle Slip and Velocity Estimation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008, 41, 9215-9220.	0.4	1
153	Miniaturized force-indentation depth sensor for tissue abnormality identification during laparoscopic surgery. , 2010, , .		1
154	A Comparative Study Between an Improved Novel Air-Cushion Sensor and a Wheeled Probe for Minimally Invasive Surgery. <i>Journal of Endourology</i> , 2010, 24, 1155-1159.	1.1	1
155	Unified kinematics modeling of variable topologies of a 3rTPS metamorphic parallel mechanism. , 2012, , .		1
156	Unified Inverse Dynamics of Variable Topologies of a Metamorphic Parallel Mechanism Using Screw Theory. , 2013, , .		1
157	Attitude control of quad-rotor UAVs using an intuitive kinematics model. , 2013, , .		1
158	A Simulation Environment for Active Endoscopic Capsules. , 2017, , .		1
159	Dynamic modeling and numerical simulations of a passive robotic walker using Euler-Lagrange method. , 2018, , .		1
160	A Passive Robotic Platform for Three-Dimensional Scanning of Ex Vivo Soft Tissue. , 2012, , 477-485.		1
161	ROBUST BILATERAL SHARED AUTONOMOUS SYSTEMS WITH CONSTANT INPUT INTERACTION FORCE WITH TIME VARYING DELAY. <i>International Journal of Robotics and Automation</i> , 2016, 31, .	0.1	1
162	MOTION ESTIMATION AND SELF-LOCALIZATION BASED ON COMPUTER VISION AND ARTIFICIAL MARKER DEPOSITION. , 2007, , .		0

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163	Finite element modelling of rolling indentation for tissue adomanlity identification. , 2010, , .		0
164	Reconfiguration and Unified Kinematics Analysis of a Metamorphic Parallel Mechanism With Bifurcated Motion. , 2012, , .		0
165	Mapping for unknown environment using incremental triangulation. , 2013, , .		0
166	Controllable Rotation Workspace of a Metamorphic Parallel Mechanism With Reconfigurable Universal Joints. , 2013, , .		0
167	Force Sensing in Medical Robotics. , 2010, , 157-172.		0
168	Synthesis of Emotions on a Human-Robot-Interactive Platform. , 2011, , .		0
169	Reconfiguration and Actuation Scheme of 3rTPS Metamorphic Parallel Mechanisms with Parallel Constraint Screws. , 2012, , 259-268.		0
170	Aerial firefighting system for suppression of incipient cladding fires. , 2021, 1, 203-230.		0
171	A Review of Autonomous Glaucomatous Grading via OCT Imagery. , 2022, , .		0