Kaspar Althoefer

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Attribution of autonomy and its role in robotic language acquisition. Al and Society, 2022, 37, 605-617. | 4.6 | 3 |
| 2 | Dynamic characterization of a master–slave robotic manipulator using a hybrid grey wolf–whale optimization algorithm. JVC/Journal of Vibration and Control, 2022, 28, 1992-2003. | 2.6 | 6 |
| 3 | Variable weight algorithm for convolutional neural networks and its applications to classification of seizure phases and types. Pattern Recognition, 2022, 121, 108226. | 8.1 | 16 |
| 4 | Magnetic-Field-Inspired Navigation for Robots in Complex and Unknown Environments. Frontiers in Robotics and Al, 2022, 9, 834177. | 3.2 | 4 |
| 5 | Soft Robot-Assisted Minimally Invasive Surgery and Interventions: Advances and Outlook. Proceedings of the IEEE, 2022, 110, 871-892. | 21.3 | 15 |
| 6 | Real-Time Pressure Estimation and Localisation with Optical Tomography-inspired Soft Skin Sensors. , 2022, , . | | 1 |
| 7 | Grasping State and Object Estimation of a Flat Shell Gripper by Strain and Proximity Measurement using a Single Capacitance-Based Sensor. , 2022, , . | | 0 |
| 8 | The Validation of Viscosity Induced Chord-wise Undulation on Soft Fin Ray Array Towards a Novel Robotic Manta Ray. , 2022, , . | | 2 |
| 9 | A Comparison of Silicone and Fabric Inflatable Actuators for Soft Hand Exoskeletons. , 2022, , . | | 2 |
| 10 | Curvature and Contact Sensing with Optical Waveguides for Soft Silicone Pneumatic Actuator. , 2022, , . | | 3 |
| 11 | An Electro-pneumatic Shape Morphing Rolling Robot with Variable Locomotion Modes. , 2022, , . | | 1 |
| 12 | Performance Evaluation and Optimisation of Multi-point Waveguide based optical Sensor for Soft Robots. , 2022, , . | | 0 |
| 13 | Tactile Classification of Object Materials for Virtual Reality based Robot Teleoperation. , 2022, , . | | 3 |
| 14 | F-TOUCH Sensor: Concurrent Geometry Perception and Multi-Axis Force Measurement. IEEE Sensors Journal, 2021, 21, 4300-4309. | 4.7 | 15 |
| 15 | <i>TMTDyn</i> : A Matlab package for modeling and control of hybrid rigid–continuum robots based on discretized lumped systems and reduced-order models. International Journal of Robotics Research, 2021, 40, 296-347. | 8.5 | 52 |
| 16 | Stiffness Control of Variable Stiffness Link Using a Conductive Fabric Based Proximity Sensor. , 2021, , | | 1 |
| 17 | Soft Robotics Solutions for Minimally Invasive Surgery: The Need for Stiffness Controllability. RSC Soft Matter, 2021, , 684-719. | 0.4 | 1 |
| 18 | Robotics Responds to the COVID-19 Outbreak [From the Guest Editors]. IEEE Robotics and Automation Magazine, 2021, 28, 16-17. | 2.0 | 2 |

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| 19 | Fusing Dexterity and Perception for Soft Robot-Assisted Minimally Invasive Surgery: What We Learnt from STIFF-FLOP. Applied Sciences (Switzerland), 2021, 11, 6586. | 2.5 | 13 |
| 20 | Largeâ€6cale Surface Shape Sensing with Learningâ€Based Computational Mechanics. Advanced Intelligent Systems, 2021, 3, 2100089. | 6.1 | 6 |
| 21 | Innovation in the time of SARS-CoV-2: A collaborative journey between NHS clinicians, engineers, academics and industry. Journal of the Royal College of Surgeons of Edinburgh, 2021, 19, e281-e288. | 1.8 | 1 |
| 22 | Multi-modal robotic visual-tactile localisation and detection of surface cracks. , 2021, , . | | 3 |
| 23 | A Suite of Robotic Solutions for Nuclear Waste Decommissioning. Robotics, 2021, 10, 112. | 3.5 | 21 |
| 24 | Workspace Scaling and Rate Mode Control for Virtual Reality based Robot Teleoperation. , 2021, , . | | 3 |
| 25 | Virtual Reality based Telerobotics Framework with Depth Cameras. , 2020, , . | | 15 |
| 26 | Attention Enhancement and Motion Assistance for Virtual Reality-Mediated Upper-Limb Rehabilitation. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 565-568. | 3.2 | 0 |
| 27 | Plant Bioinspired Ecological Robotics. Frontiers in Robotics and Al, 2020, 7, 79. | 3.2 | 3 |
| 28 | A bending sensor insensitive to pressure: soft proprioception based on abraded optical fibres. , 2020, , . | | 7 |
| 29 | Model-Based Pose Control of Inflatable Eversion Robot With Variable Stiffness. IEEE Robotics and Automation Letters, 2020, 5, 3398-3405. | 5.1 | 25 |
| 30 | Stiffness Imaging With a Continuum Appendage: Real-Time Shape and Tip Force Estimation From Base Load Readings. IEEE Robotics and Automation Letters, 2020, 5, 2824-2831. | 5.1 | 19 |
| 31 | Automatic Fracture Characterization Using Tactile and Proximity Optical Sensing. Frontiers in Robotics and Al, 2020, 7, 513004. | 3.2 | 5 |
| 32 | Silicone Based Capacitive E-Skin Sensor for Soft Surgical Robots. Lecture Notes in Computer Science, 2020, , 62-65. | 1.3 | 1 |
| 33 | An Inhomogeneous Structured Eversion Actuator. Lecture Notes in Computer Science, 2020, , 37-48. | 1.3 | 1 |
| 34 | A Two-Fingered Robot Gripper with Variable Stiffness Flexure Hinges Based on Shape Morphing. , 2020, , | | 2 |
| 35 | Observer-based Control of Inflatable Robot with Variable Stiffness. , 2020, , . | | 2 |
| 36 | F-TOUCH Sensor for Three-Axis Forces Measurement and Geometry Observation. , 2020, , . | | 3 |

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| 37 | Silicone-based Capacitive E-skin for Exteroception and Proprioception. , 2020, , . | | 9 |
| 38 | iCLAP: shape recognition by combining proprioception and touch sensing. Autonomous Robots, 2019, 43, 993-1004. | 4.8 | 28 |
| 39 | Payload Capabilities and Operational Limits of Eversion Robots. Lecture Notes in Computer Science, 2019, , 383-394. | 1.3 | 13 |
| 40 | Elastomer-Based Touch Sensor: Visualization of Tactile Pressure Distribution. Lecture Notes in Computer Science, 2019, , 87-98. | 1.3 | 2 |
| 41 | Modelling of a Soft Sensor for Exteroception and Proprioception in a Pneumatically Actuated Soft Robot. Lecture Notes in Computer Science, 2019, , 99-110. | 1.3 | 5 |
| 42 | Light Intensity-Modulated Bending Sensor Fabrication and Performance Test for Shape Sensing. Lecture Notes in Computer Science, 2019, , 126-137. | 1.3 | 1 |
| 43 | Design Analysis of a Fabric Based Lightweight Robotic Gripper. Lecture Notes in Computer Science, 2019, , 16-27. | 1.3 | 10 |
| 44 | Kinematic Control and Obstacle Avoidance for Soft Inflatable Manipulator. Lecture Notes in Computer Science, 2019, , 52-64. | 1.3 | 5 |
| 45 | An Elastomer-based Flexible Optical Force and Tactile Sensor. , 2019, , . | | 14 |
| 46 | Design and Implementation of a Bespoke Robotic Manipulator for Extra-corporeal Ultrasound. Journal of Visualized Experiments, 2019, , . | 0.3 | 7 |
| 47 | Elasticity Versus Hyperelasticity Considerations in Quasistatic Modeling of a Soft Finger-Like Robotic Appendage for Real-Time Position and Force Estimation. Soft Robotics, 2019, 6, 228-249. | 8.0 | 35 |
| 48 | Analysis of a Customized Clutch Joint Designed for the Safety Management of an Ultrasound Robot. Applied Sciences (Switzerland), 2019, 9, 1900. | 2.5 | 21 |
| 49 | An Attention-Controlled Hand Exoskeleton for the Rehabilitation of Finger Extension and Flexion Using a Rigid-Soft Combined Mechanism. Frontiers in Neurorobotics, 2019, 13, 34. | 2.8 | 51 |
| 50 | Adaptive Update of Reference Capacitances in Conductive Fabric Based Robotic Skin. IEEE Robotics and Automation Letters, 2019, 4, 2212-2219. | 5.1 | 14 |
| 51 | Antagonistic actuation and stiffness control in soft inflatable robots. Nature Reviews Materials, 2018, 3, 76-77. | 48.7 | 43 |
| 52 | Three-Dimensional-Printable Thermoactive Helical Interface With Decentralized Morphological Stiffness Control for Continuum Manipulators. IEEE Robotics and Automation Letters, 2018, 3, 2283-2290. | 5.1 | 11 |
| 53 | Control Space Reduction and Real-Time Accurate Modeling of Continuum Manipulators Using Ritz and Ritz–Galerkin Methods. IEEE Robotics and Automation Letters, 2018, 3, 328-335. | 5.1 | 80 |
| 54 | Modelling the structure of object-independent human affordances of approaching to grasp for robotic hands. PLoS ONE, 2018, 13, e0208228. | 2.5 | 2 |

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| 55 | Soft Biomimetic Prosthetic Hand: Design, Manufacturing and Preliminary Examination. , 2018, , . | | 36 |
| 56 | Static Kinematics for an Antagonistically Actuated Robot Based on a Beam-Mechanics-Based Model. , 2018, , . | | 13 |
| 57 | Localized online learning-based control of a soft redundant manipulator under variable loading. Advanced Robotics, 2018, 32, 1168-1183. | 1.8 | 20 |
| 58 | Bio-Inspired Octopus Robot Based on Novel Soft Fluidic Actuator. , 2018, , . | | 27 |
| 59 | Reactive Magnetic-Field-Inspired Navigation for Non-Holonomic Mobile Robots in Unknown Environments. , 2018, , . | | 8 |
| 60 | Plant-Inspired Soft Pneumatic Eversion Robot. , 2018, , . | | 23 |
| 61 | Reactive Magnetic-Field-Inspired Navigation Method for Robots in Unknown Convex 3-D Environments. IEEE Robotics and Automation Letters, 2018, 3, 3583-3590. | 5.1 | 15 |
| 62 | AirExGlove — A novel pneumatic exoskeleton glove for adaptive hand rehabilitation in post-stroke patients. , 2018, , . | | 41 |
| 63 | Real-Time Vision-Based Stiffness Mapping â€. Sensors, 2018, 18, 1347. | 3.8 | 7 |
| 64 | Development of an adaptable, soft robot with an aortic diameter sensor to modulate blood flow in an extreme biological environment. , 2018, , . | | 0 |
| 65 | Highly dexterous 2â€module soft robot for intraâ€organ navigation in minimally invasive surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1875. | 2.3 | 79 |
| 66 | The Role of the Thumb: Study of Finger Motion in Grasping and Reachability Space in Human and Robotic Hands. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1061-1070. | 9.3 | 31 |
| 67 | Knock-Knock: Acoustic object recognition by using stacked denoising autoencoders. Neurocomputing, 2017, 267, 18-24. | 5.9 | 39 |
| 68 | A Novel Concept for Safe, Stiffness-Controllable Robot Links. Soft Robotics, 2017, 4, 16-22. | 8.0 | 62 |
| 69 | Detecting NQR signals severely polluted by interference. Signal Processing, 2017, 138, 256-264. | 3.7 | 18 |
| 70 | Ex vivo study of prostate cancer localization using rolling mechanical imaging towards minimally invasive surgery. Medical Engineering and Physics, 2017, 43, 112-117. | 1.7 | 4 |
| 71 | Nonparametric Online Learning Control for Soft Continuum Robot: An Enabling Technique for Effective Endoscopic Navigation. Soft Robotics, 2017, 4, 324-337. | 8.0 | 89 |
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72 Variable Stiffness Link (VSL): Toward inherently safe robotic manipulators. , 2017, , .

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| 73 | Anchoring like octopus: biologically inspired soft artificial sucker. Journal of the Royal Society Interface, 2017, 14, 20170395. | 3.4 | 52 |
| 74 | Total mesorectal excision using a soft and flexible robotic arm: a feasibility study in cadaver models. Surgical Endoscopy and Other Interventional Techniques, 2017, 31, 264-273. | 2.4 | 61 |
| 75 | Low cost soft endoscope robotic probe. , 2017, , . | | 2 |
| 76 | A Geometry Deformation Model for Braided Continuum Manipulators. Frontiers in Robotics and AI, 2017, 4, . | 3.2 | 43 |
| 77 | Fingertip Fiber Optical Tactile Array with Two-Level Spring Structure. Sensors, 2017, 17, 2337. | 3.8 | 23 |
| 78 | Palpation force modulation strategies to identify hard regions in soft tissue organs. PLoS ONE, 2017, 12, e0171706. | 2.5 | 45 |
| 79 | Evaluation of stiffness feedback for hard nodule identification on a phantom silicone model. PLoS ONE, 2017, 12, e0172703. | 2.5 | 12 |
| 80 | A geometry deformation model for compound continuum manipulators with external loading. , 2016, , \cdot | | 13 |
| 81 | Low cost robotic endoscope design considerations. , 2016, , . | | 4 |
| 82 | Towards safer obstacle avoidance for continuum-style manipulator in dynamic environments. , 2016, , . | | 7 |
| 83 | Real-time pose estimation and obstacle avoidance for multi-segment continuum manipulator in dynamic environments. , 2016, , . | | 15 |
| 84 | Kinematic Control of Continuum Manipulators Using a Fuzzy-Model-Based Approach. IEEE Transactions on Industrial Electronics, 2016, 63, 5022-5035. | 7.9 | 59 |
| 85 | Robotic Ultrasound: View Planning, Tracking, and Automatic Acquisition of Transesophageal Echocardiography. IEEE Robotics and Automation Magazine, 2016, 23, 118-127. | 2.0 | 20 |
| 86 | Image-Based Optical Miniaturized Three-Axis Force Sensor for Cardiac Catheterization. IEEE Sensors Journal, 2016, 16, 7924-7932. | 4.7 | 47 |
| 87 | A compact continuum manipulator system with enhanced steering abilities for robot-assisted surgery. , 2016, , . | | 2 |
| 88 | Canceling strong and complex interference in NQR-based landmine detection. , 2016, , . | | 1 |
| 89 | Stable Grip Control on Soft Objects With Time-Varying Stiffness. IEEE Transactions on Robotics, 2016, 32, 626-637. | 10.3 | 8 |
| 90 | In-Hand Object Pose Estimation Using Covariance-Based Tactile To Geometry Matching. IEEE Robotics and Automation Letters, 2016, 1, 570-577. | 5.1 | 51 |

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| 91 | A Novel Continuum Manipulator Design Using Serially Connected Double-Layer Planar Springs. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1281-1292. | 5.8 | 75 |
| 92 | Robot Competitions: What Did We Learn? [Competitions]. IEEE Robotics and Automation Magazine, 2016, 23, 16-18. | 2.0 | 14 |
| 93 | Tendon-Based Stiffening for a Pneumatically Actuated Soft Manipulator. IEEE Robotics and Automation Letters, 2016, 1, 632-637. | 5.1 | 148 |
| 94 | Six-Dimensional Compliance Analysis and Validation of Orthoplanar Springs. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, . | 2.9 | 16 |
| 95 | Evaluation of Pseudo-Haptic Interactions with Soft Objects in Virtual Environments. PLoS ONE, 2016, 11, e0157681. | 2.5 | 13 |
| 96 | 14N NQR, relaxation and molecular dynamics of the explosive TNT. Solid State Nuclear Magnetic Resonance, 2015, 71, 61-66. | 2.3 | 2 |
| 97 | Identification of Haptic Based Guiding Using Hard Reins. PLoS ONE, 2015, 10, e0132020. | 2.5 | 5 |
| 98 | Using visual cues to enhance haptic feedback for palpation on virtual model of soft tissue. Medical and Biological Engineering and Computing, 2015, 53, 1177-1186. | 2.8 | 33 |
| 99 | Soft and Stretchable Sensor Using Biocompatible Electrodes and Liquid for Medical Applications. Soft Robotics, 2015, 2, 146-154. | 8.0 | 92 |
| 100 | Macrobend optical sensing for pose measurement in soft robot arms. Smart Materials and Structures, 2015, 24, 125024. | 3.5 | 108 |
| 101 | Modeling and Optimizing Output Characteristics of Intensity Modulated Optical Fiber-Based Displacement Sensors. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 758-767. | 4.7 | 11 |
| 102 | Finger contact sensing and the application in dexterous hand manipulation. Autonomous Robots, 2015, 39, 25-41. | 4.8 | 48 |
| 103 | A Fiber-Optics-Based Body Contact Sensor for a Flexible Manipulator. IEEE Sensors Journal, 2015, 15, 3543-3550. | 4.7 | 26 |
| 104 | Global estimation of an object's pose using tactile sensing. Advanced Robotics, 2015, 29, 363-374. | 1.8 | 34 |
| 105 | Batch-Specific Discrimination Using Nuclear Quadrupole Resonance Spectroscopy. Analytical Chemistry, 2015, 87, 3806-3811. | 6.5 | 11 |
| 106 | Off-resonance effects in 14N NQR signals from the pulsed spin-locking (PSL) and three-pulse echo sequence; a study for monoclinic TNT. Solid State Nuclear Magnetic Resonance, 2015, 71, 41-54. | 2.3 | 1 |
| 107 | Tendon and pressure actuation for a bio-inspired manipulator based on an antagonistic principle. , 2015, , . | | 73 |
| 108 | Novel Tactile-SIFT Descriptor for Object Shape Recognition. IEEE Sensors Journal, 2015, 15, 5001-5009. | 4.7 | 86 |

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| 109 | Embedded electro-conductive yarn for shape sensing of soft robotic manipulators. , 2015, 2015, 8026-9. | | 37 |
| 110 | Lecture Notes in Computer Science: An Antagonistic Actuation Technique for Simultaneous Stiffness and Position Control. Lecture Notes in Computer Science, 2015, , 164-174. | 1.3 | 15 |
| 111 | Robotic Granular Jamming: Does the Membrane Matter?. Soft Robotics, 2014, 1, 192-201. | 8.0 | 93 |
| 112 | Soft Robotics Technologies to Address Shortcomings in Today's Minimally Invasive Surgery: The STIFF-FLOP Approach. Soft Robotics, 2014, 1, 122-131. | 8.0 | 411 |
| 113 | Pseudo-haptics for rigid tool/soft surface interaction feedback in virtual environments. Mechatronics, 2014, 24, 1092-1100. | 3.3 | 12 |
| 114 | Simplifying grasping complexity through generalization of kinaesthetically learned synergies. , 2014, , . | | 6 |
| 115 | <scp>MRI</scp> â€safe robots. Why are they not yet routinely used?. BJU International, 2014, 113, 975-976. | 2.5 | 1 |
| 116 | Inverse finite-element modeling for tissue parameter identification using a rolling indentation probe. Medical and Biological Engineering and Computing, 2014, 52, 17-28. | 2.8 | 19 |
| 117 | Implementation of Tactile Sensing for Palpation in Robot-Assisted Minimally Invasive Surgery: A Review. IEEE Sensors Journal, 2014, 14, 2490-2501. | 4.7 | 121 |
| 118 | Behavioral Characteristics of Manual Palpation to Localize Hard Nodules in Soft Tissues. IEEE Transactions on Biomedical Engineering, 2014, 61, 1651-1659. | 4.2 | 32 |
| 119 | Multi-fingered haptic palpation using pneumatic feedback actuators. Sensors and Actuators A: Physical, 2014, 218, 132-141. | 4.1 | 42 |
| 120 | An Optical Tactile Array Probe Head for Tissue Palpation During Minimally Invasive Surgery. IEEE Sensors Journal, 2014, 14, 3283-3291. | 4.7 | 44 |
| 121 | Robot guided bolt tensioning tool with adaptive process control for the automated assembly of wind turbine rotor blade bearings. Production Engineering, 2014, 8, 755-764. | 2.3 | 6 |
| 122 | Surface flattening of the human left atrium and proof-of-concept clinical applications. Computerized Medical Imaging and Graphics, 2014, 38, 251-266. | 5.8 | 26 |
| 123 | Shrinkable, stiffness-controllable soft manipulator based on a bio-inspired antagonistic actuation principle. , 2014, , . | | 93 |
| 124 | Observational Learning: Basis, Experimental Results and Models, and Implications for Robotics. Cognitive Computation, 2013, 5, 340-354. | 5.2 | 5 |
| 125 | Nitrogen-14 Nuclear Quadrupole Resonance Spectroscopy: A Promising Analytical Methodology for Medicines Authentication and Counterfeit Antimalarial Analysis. Analytical Chemistry, 2013, 85, 2746-2753. | 6.5 | 34 |
| 126 | Air-float Palpation Probe for Tissue Abnormality Identification During Minimally Invasive Surgery. IEEE Transactions on Biomedical Engineering, 2013, 60, 2735-2744. | 4.2 | 17 |

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| 127 | An optical curvature sensor for flexible manipulators. , 2013, , . | | 40 |
| 128 | A 2-Axis Optical Force–Torque Fingertip Sensor for Dexterous Grasping Using Linear Polarizers. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3363-3377. | 4.7 | 7 |
| 129 | Design of a variable stiffness flexible manipulator with composite granular jamming and membrane coupling. , 2012, , . | | 115 |
| 130 | Novel Air-float Tactile Array for Stiffness Characterization in Soft Tissue Palpation. Procedia Engineering, 2012, 41, 281-288. | 1.2 | 5 |
| 131 | Object pose estimation and tracking by fusing visual and tactile information. , 2012, , . | | 19 |
| 132 | Finite-Element Modeling of Soft Tissue Rolling Indentation. IEEE Transactions on Biomedical Engineering, 2011, 58, 3319-3327. | 4.2 | 62 |
| 133 | Rolling Indentation Probe for Tissue Abnormality Identification During Minimally Invasive Surgery. IEEE Transactions on Robotics, 2011, 27, 450-460. | 10.3 | 75 |
| 134 | Tactile sensing for dexterous in-hand manipulation in robotics—A review. Sensors and Actuators A: Physical, 2011, 167, 171-187. | 4.1 | 634 |
| 135 | Track–terrain modelling and traversability prediction for tracked vehicles on soft terrain. Journal of Terramechanics, 2010, 47, 151-160. | 3.1 | 62 |
| 136 | A Comparative Study Between an Improved Novel Air-Cushion Sensor and a Wheeled Probe for Minimally Invasive Surgery. Journal of Endourology, 2010, 24, 1155-1159. | 2.1 | 1 |
| 137 | MRI-Compatible Fiber-Optic Force Sensors for Catheterization Procedures. IEEE Sensors Journal, 2010, 10, 1598-1608. | 4.7 | 115 |
| 138 | Hybrid Soil Parameter Measurement and Estimation Scheme for Excavation Automation. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3633-3641. | 4.7 | 18 |
| 139 | THE SCIENCE BEHIND HAPTICS IN ROBOTIC UROLOGICAL SURGERY. BJU International, 2009, 104, 433-434. | 2.5 | 2 |
| 140 | Quantitative ³⁵ Cl Nuclear Quadrupole Resonance in Tablets of the Antidiabetic Medicine Diabinese. Analytical Chemistry, 2009, 81, 5574-5576. | 6.5 | 11 |
| 141 | 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 |
| 142 | Robust Detection of Stochastic Nuclear Quadrupole Resonance Signals. IEEE Transactions on Signal Processing, 2008, 56, 4221-4229. | 5.3 | 31 |
| 143 | State-of-the-Art in Force and Tactile Sensing for Minimally Invasive Surgery. IEEE Sensors Journal, 2008, 8, 371-381. | 4.7 | 456 |
| 144 | Soil Parameter Identification and Driving Force Prediction for Wheel-Terrain Interaction. International Journal of Advanced Robotic Systems, 2008, 5, 35. | 2.1 | 18 |

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| 145 | Exploiting Spin Echo Decay in the Detection of Nuclear Quadrupole Resonance Signals. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 925-933. | 6.3 | 41 |
| 146 | Simulation of ultrasound imaging inside fully charged pipes. Automation in Construction, 2006, 15, 355-364. | 9.8 | 3 |
| 147 | Soil parameter identification for wheel-terrain interaction dynamics and traversability prediction. International Journal of Automation and Computing, 2006, 3, 244-251. | 4.5 | 33 |
| 148 | Modelling of closed-chain manipulators on an excavator vehicle. Mathematical and Computer Modelling of Dynamical Systems, 2006, 12, 329-345. | 2.2 | 6 |
| 149 | Reinforcement learning in a rule-based navigator for robotic manipulators. Neurocomputing, 2001, 37, 51-70. | 5.9 | 41 |