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List of Publications by Year
in descending order

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356 papers	11,427 citations	25034 57 h-index	46799 89 g-index
361 all docs	361 docs citations	361 times ranked	8491 citing authors

#	Article	IF	Citations
1	A Magnetically Actuated Novel Robotic Capsule for Site-Specific Drug Delivery Inside the Gastrointestinal Tract. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4010-4020.	9.3	7
2	Multi-frequency Stimulation: Spatial Differentiation of Bone-Conducted Tactile Stimulation on the Elbow BonyÂLandmarks. Biosystems and Biorobotics, 2022, , 593-597.	0.3	0
3	Investigation of Vibrotactile Transducers for a Bone Conduction Sensory FeedbackÂSystem. Biosystems and Biorobotics, 2022, , 587-592.	0.3	2
4	Force Control of a 3D Printed Soft Gripper with Built-In Pneumatic Touch Sensing Chambers. Soft Robotics, 2022, 9, 970-980.	8.0	20
5	Multifunctional skin-compliant wearable sensors for monitoring human condition applications. Applied Materials Today, 2022, 26, 101361.	4.3	16
6	A 3D Printed Soft Robotic Hand With Embedded Soft Sensors for Direct Transition Between Hand Gestures and Improved Grasping Quality and Diversity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 550-558.	4.9	19
7	3D printed linear soft multi-mode actuators expanding robotic applications. Soft Matter, 2022, 18, 1911-1919.	2.7	1
8	A Wearable Biofeedback Device to Increase Gait Swing Time Could Have Positive Effects on Gait among Older Adults. Sensors, 2022, 22, 102.	3.8	4
9	Non-Invasive Human-Machine Interface (HMI) Systems With Hybrid On-Body Sensors for Controlling Upper-Limb Prosthesis: A Review. IEEE Sensors Journal, 2022, 22, 10292-10307.	4.7	15
10	Thermoelastic Strain-limiting Layers to Actively-control Soft Actuator Trajectories. , 2022, , .		0
11	4D-printed pneumatic soft actuators modeling, fabrication, and control. , 2022, , 103-140.		0
12	Design, Modeling, and Control of a 3D Printed Monolithic Soft Robotic Finger With Embedded Pneumatic Sensing Chambers. IEEE/ASME Transactions on Mechatronics, 2021, 26, 876-887.	5.8	32
13	Force control of electro-active polymer actuators using model-free intelligent control. Journal of Intelligent Material Systems and Structures, 2021, 32, 2054-2065.	2.5	10
14	A Comparison Between Separated Electrodes and Concentric Electrodes for Electrotactile Stimulation. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 241-252.	3.2	3
15	A Review of 3Dâ€Printable Soft Pneumatic Actuators and Sensors: Research Challenges and Opportunities. Advanced Intelligent Systems, 2021, 3, 2000223.	6.1	75
16	Editorial: Soft Robotics Based on Electroactive Polymers. Frontiers in Robotics and AI, 2021, 8, 676406.	3.2	6
17	Room-temperature self-healing piezoresistive sensors. Composites Science and Technology, 2021, 211, 108856.	7.8	7
18	A 3D Printed Soft Prosthetic Hand with Embedded Actuation and Soft Sensing Capabilities for Directly and Seamlessly Switching Between Various Hand Gestures. , 2021, , .		7

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19	Control of an Electric Wheelchair Using Multimodal Biosignals and Machine Learning. , 2021, , .		2
20	Low-Hysteresis and Ultrasensitive Microcellular Structures for Wearable Electronic Applications. ACS Applied Materials & Interfaces, 2021, 13, 1632-1643.	8.0	11
21	Kinematic Modeling and Analysis of a Novel Bio-Inspired and Cable-Driven Hybrid Shoulder Mechanism. Journal of Mechanisms and Robotics, 2021, 13, .	2.2	5
22	A 3D Printed Modular Soft Gripper Integrated With Metamaterials for Conformal Grasping. Frontiers in Robotics and AI, 2021, 8, 799230.	3.2	22
23	A survey on what Australians with upper limb difference want in a prosthesis: justification for using soft robotics and additive manufacturing for customized prosthetic hands. Disability and Rehabilitation: Assistive Technology, 2020, 15, 342-349.	2.2	20
24	Bioinspired Three-Dimensional-Printed Helical Soft Pneumatic Actuators and Their Characterization. Soft Robotics, 2020, 7, 267-282.	8.0	91
25	Towards Including End-Users in the Design of Prosthetic Hands: Ethical Analysis of a Survey of Australians with Upper-Limb Difference. Science and Engineering Ethics, 2020, 26, 981-1007.	2.9	8
26	Effects of Wearable Devices with Biofeedback on Biomechanical Performance of Runningâ€"A Systematic Review. Sensors, 2020, 20, 6637.	3.8	11
27	A3D Printed Modular Soft Gripper for Conformal Grasping. , 2020, , .		5
28	3D Printed Soft Pneumatic Bending Sensing Chambers for Bilateral and Remote Control of Soft Robotic Systems. , 2020, , .		4
29	A compact and cost-effective pattern recognition based myoelectric control system for robotic prosthetic hands. , 2020, , .		3
30	Psychometric Evaluation of Multi-Point Bone-Conducted Tactile Stimulation on the Three Bony Landmarks of the Elbow. , 2020, , .		0
31	Tactile Feedback in Closed-Loop Control of Myoelectric Hand Grasping: Conveying Information of Multiple Sensors Simultaneously via a Single Feedback Channel. Frontiers in Neuroscience, 2020, 14, 348.	2.8	15
32	A practical 3D-printed soft robotic prosthetic hand with multi-articulating capabilities. PLoS ONE, 2020, 15, e0232766.	2.5	62
33	Stepping down to step forward. Science, 2020, 367, 950-950.	12.6	0
34	A 3D Printed Soft Force Sensor for Soft Haptics. , 2020, , .		4
35	Position Control of a 3D Printed Soft Finger with Integrated Soft Pneumatic Sensing Chambers. , 2020, , .		10
36	Finite Element Modeling in the Design Process of 3D Printed Pneumatic Soft Actuators and Sensors. Robotics, 2020, 9, 52.	3.5	52

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37	Environmentally Friendly and Biodegradable Ultrasensitive Piezoresistive Sensors for Wearable Electronics Applications. ACS Applied Materials & Interfaces, 2020, 12, 8761-8772.	8.0	55
38	A Comparison of Recognition and Sensitivity in the Upper Arm and Lower Arm to Mechanotactile Stimulation. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 76-85.	3.2	3
39	How a risky move put my career back on course. Science, 2020, , .	12.6	0
40	A practical 3D-printed soft robotic prosthetic hand with multi-articulating capabilities. , 2020, 15, e0232766.		0
41	A practical 3D-printed soft robotic prosthetic hand with multi-articulating capabilities. , 2020, 15, e0232766.		0
42	A practical 3D-printed soft robotic prosthetic hand with multi-articulating capabilities. , 2020, 15, e0232766.		0
43	A practical 3D-printed soft robotic prosthetic hand with multi-articulating capabilities. , 2020, 15, e0232766.		0
44	Roboticsâ€"Soft Robotics. , 2019, , 652-659.		2
45	Highly Sensitive Soft Foam Sensors to Empower Robotic Systems. Advanced Materials Technologies, 2019, 4, 1900423.	5.8	26
46	Pattern Recognition for Prosthetic Hand Userâ€™s Intentions using EMG Data and Machine Learning Techniques. , 2019, , .		7
47	3D Printable Vacuum-Powered Soft Linear Actuators. , 2019, , .		11
48	Flexible Surface Electrodes Targeting Biopotential Signals from Forearm Muscles for Control of Prosthetic Hands: Part 1 â€“ Characterisation of sEMG Electrodes. , 2019, , .		3
49	Fully 3D Printed Monolithic Soft Gripper with High Conformal Grasping Capability. , 2019, , .		27
50	3D Printable Linear Soft Vacuum Actuators: Their Modeling, Performance Quantification and Application in Soft Robotic Systems. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2118-2129.	5.8	70
51	A 3D-Printed Omni-Purpose Soft Gripper. IEEE Transactions on Robotics, 2019, 35, 1268-1275.	10.3	102
52	Ultra-stretchable MWCNTâ€"Ecoflex piezoresistive sensors for human motion detection applications. Composites Science and Technology, 2019, 173, 118-124.	7.8	80
53	Model-free control of an electro-active polymer actuator. Materials Research Express, 2019, 6, 055309.	1.6	5
54	Development and performance evaluation of large-scale auxetic protective systems for localised impulsive loads. International Journal of Protective Structures, 2019, 10, 390-417.	2.3	46

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55	Soft Pneumatic Sensing Chambers for Generic and Interactive Humanâ€“Machine Interfaces. Advanced Intelligent Systems, 2019, 1, 1900002.	6.1	43
56	A Novel Magnetic Anchoring System for Wireless Capsule Endoscopes Operating Within the Gastrointestinal Tract. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1106-1116.	5.8	32
57	Engineering-Based Design Methodology for Embedding Ethics in Autonomous Robots. Proceedings of the IEEE, 2019, 107, 582-599.	21.3	27
58	Bone Conduction as Sensory Feedback Interface: A Preliminary Study. , 2019, 2019, 5322-5325.		6
59	Flexible Surface Electrodes Targeting Biopotential Signals from Forearm Muscles for Control of Prosthetic Hands: Part 2 - Characterization of Substrates for Strain Sensors. , 2019, , .		1
60	A 3D Printed Soft Robotic Monolithic Unit for Haptic Feedback Devices. , 2019, , .		6
61	Design of a Sensorised Object to Test Sensory Feedback for Prosthetic Hands. , 2019, , .		0
62	A Novel Monolithic Soft Robotic Thumb for an Anthropomorphic Prosthetic Hand. IEEE Robotics and Automation Letters, 2019, 4, 602-609.	5.1	38
63	Enhanced Localization of Robotic Capsule Endoscopes Using Positron Emission Markers and Rigid-Body Transformation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1270-1284.	9.3	18
64	Smart Approaches in Facilitating Engineering Students to Learn Health Technology. Smart Innovation, Systems and Technologies, 2019, , 175-182.	0.6	0
65	A Soft Stretchable Sensor: Towards Peripheral Nerve Signal Sensing. MRS Advances, 2018, 3, 1597-1602.	0.9	4
66	A Review of Non-Invasive Sensory Feedback Methods for Transradial Prosthetic Hands. IEEE Access, 2018, 6, 6878-6899.	4.2	152
67	Design, Fabrication, and Test of a Coupled Parametricâ€“Transverse Nonlinearly Broadband Energy Harvester. IEEE Transactions on Energy Conversion, 2018, 33, 457-464.	5.2	10
68	Softer is Harder: What Differentiates Soft Robotics from Hard Robotics?. MRS Advances, 2018, 3, 1557-1568.	0.9	84
69	Experimental Nonlinear Model Identification of a Highly Nonlinear Resonator. Journal of Vibration and Acoustics, Transactions of the ASME, 2018, 140, .	1.6	2
70	Analysis of Magnetic Interaction in Remotely Controlled Magnetic Devices and its Application to a Capsule Robot for Drug Delivery. IEEE/ASME Transactions on Mechatronics, 2018, 23, 298-310.	5.8	38
71	Recent progress of particle migration in viscoelastic fluids. Lab on A Chip, 2018, 18, 551-567.	6.0	186
72	3D printing Vegemite and Marmite: Redefining â€œbreadboardsâ€• Journal of Food Engineering, 2018, 220, 83-88.	5.2	89

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73	Modeling and Experimental Evaluation of Bending Behavior of Soft Pneumatic Actuators Made of Discrete Actuation Chambers. Soft Robotics, 2018, 5, 24-35.	8.0	128
74	Development of a nonlinear adaptive absorber based on magnetorheological elastomer. Journal of Intelligent Material Systems and Structures, 2018, 29, 194-204.	2.5	20
75	Design of a Multi-Stage Stiffness Enhancing Unit for a Soft Robotic Finger and its Robust Motion Control. , 2018, , .		3
76	Reusable Flexible Concentric Electrodes Coated With a Conductive Graphene Ink for Electrotactile Stimulation. Frontiers in Bioengineering and Biotechnology, 2018, 6, 179.	4.1	23
77	A Structural Optimisation Method for a Soft Pneumatic Actuator. Robotics, 2018, 7, 24.	3.5	65
78	Applying Mechanical Pressure and Skin Stretch Simultaneously for Sensory Feedback in Prosthetic Hands. , 2018, , .		7
79	Using Vibration Motors to Create Tactile Apparent Movement for Transradial Prosthetic Sensory Feedback. , 2018, , .		6
80	3D Printed Helical Soft Pneumatic Actuators. , 2018, , .		17
81	Position Control of a Soft Prosthetic Finger with Limited Feedback Information. , 2018, , .		1
82	A Hybrid Multi-Joint Robotic Shoulder Exoskeleton for Stroke Rehabilitation. , 2018, , .		1
83	Bioinspired 3D Printable Soft Vacuum Actuators for Locomotion Robots, Grippers and Artificial Muscles. Soft Robotics, 2018, 5, 685-694.	8.0	121
84	Locomotion analysis and optimization of actinomorphic robots with soft arms actuated by shape memory alloy wires. International Journal of Advanced Robotic Systems, 2018, 15, 172988141878794.	2.1	12
85	A Parametrically Broadband Nonlinear Energy Harvester. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	16
86	A Nonlinearly Broadband Tuneable Energy Harvester. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	1.6	9
87	High-throughput sheathless and three-dimensional microparticle focusing using a microchannel with arc-shaped groove arrays. Scientific Reports, 2017, 7, 41153.	3.3	27
88	Nanotechnology and its medical applications: revisiting public policies from a regulatory perspective in Australia. Nanotechnology Reviews, 2017, 6, 255-269.	5.8	8
89	Electrochemical biosensing strategies for DNA methylation analysis. Biosensors and Bioelectronics, 2017, 94, 63-73.	10.1	60
90	Flow rate-insensitive microparticle separation and filtration using a microchannel with arc-shaped groove arrays. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	21

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91	High Throughput Cell-Free Extraction of Plasma by an Integrated Microfluidic Device Combining Inertial Focusing and Membrane. Journal of Heat Transfer, 2017, 139, .	2.1	3
92	Review on Design and Control Aspects of Robotic Shoulder Rehabilitation Orthoses. IEEE Transactions on Human-Machine Systems, 2017, 47, 1134-1145.	3.5	55
93	The Suitability of 3-D Printed Eutectic Gallium-Indium Alloy as a Heating Element for Thermally Active Hydrogels. MRS Advances, 2017, 2, 335-340.	0.9	1
94	System and process development for coaxial extrusion in fused deposition modelling. Rapid Prototyping Journal, 2017, 23, 543-550.	3.2	16
95	A review on performance enhancement techniques for ambient vibration energy harvesters. Renewable and Sustainable Energy Reviews, 2017, 71, 435-449.	16.4	188
96	Design of an enhanced wideband energy harvester using a parametrically excited array. Journal of Sound and Vibration, 2017, 410, 416-428.	3.9	22
97	Modelling of the human shoulder girdle as a 6-4 parallel mechanism with a moving scapulothoracic joint. Mechanism and Machine Theory, 2017, 118, 219-230.	4.5	5
98	Modeling and experimental characterization of magnetic membranes as soft smart actuators for medical robotics. , 2017, , .		4
99	Large area and ultra-thin compliant strain sensors for prosthetic devices. Sensors and Actuators A: Physical, 2017, 266, 56-64.	4.1	36
100	Gold-loaded nanoporous superparamagnetic nanocubes for catalytic signal amplification in detecting miRNA. Chemical Communications, 2017, 53, 8231-8234.	4.1	79
101	Inertial Microfluidics: Mechanisms and Applications. Microsystems and Nanosystems, 2017, , 563-593.	0.1	6
102	Hybrid force and position control of a conducting tri-layer electro-active polymer actuator. Transactions of the Institute of Measurement and Control, 2017, 39, 288-296.	1.7	7
103	Development of an isolator working with magnetorheological elastomers and fluids. Mechanical Systems and Signal Processing, 2017, 83, 371-384.	8.0	59
104	Double-Mode Microparticle Manipulation by Tunable Secondary Flow in Microchannel With Arc-Shaped Groove Arrays. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1406-1412.	4.0	8
105	3D printing of a thin-wall soft and monolithic gripper using fused filament fabrication. , 2017, , .		25
106	A 3D printed monolithic soft gripper with adjustable stiffness. , 2017, , .		31
107	Tunable Particle Focusing in a Straight Channel with Symmetric Semicircle Obstacle Arrays Using Electrophoresis-Modified Inertial Effects. Micromachines, 2016, 7, 195.	2.9	19
108	Conducting Polymers as EAPs: Applications. , 2016, , 1-27.		0

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109	Fabrication and characterisation of highly stretchable elastomeric strain sensors for prosthetic hand applications. Sensors and Actuators A: Physical, 2016, 247, 514-521.	4.1	44
110	Investigation of particle lateral migration in sampleâ€sheath flow of viscoelastic fluid and Newtonian fluid. Electrophoresis, 2016, 37, 2147-2155.	2.4	36
111	High Throughput Cell-Free Extraction of Plasma by an Integrated Microfluidic Device Combining Inertial Microfluidics and Membrane. , 2016, , .		0
112	An innovative MRE absorber with double natural frequencies for wide frequency bandwidth vibration absorption. Smart Materials and Structures, 2016, 25, 055035.	3.5	19
113	An inverted micro-mixer based on a magnetically-actuated cilium made of Fe doped PDMS. Smart Materials and Structures, 2016, 25, 095049.	3.5	16
114	Mechanical stiffness augmentation of a 3D printed soft prosthetic finger. , 2016, , .		14
115	Performance quantification of strain sensors for flexible manipulators. , 2016, , .		3
116	Analysis of the magnetic torque on a tilted permanent magnet for drug delivery in capsule robots. , 2016, , .		3
117	Design and development of a parametrically excited nonlinear energy harvester. Energy Conversion and Management, 2016, 126, 247-255.	9.2	23
118	Soft and smart modular structures actuated by shape memory alloy (SMA) wires as tentacles of soft robots. Smart Materials and Structures, 2016, 25, 085026.	3.5	107
119	Continuous plasma extraction under viscoelastic fluid in a straight channel with asymmetrical expansionâ€“contraction cavity arrays. Lab on A Chip, 2016, 16, 3919-3928.	6.0	50
120	A starfish robot based on soft and smart modular structure (SMS) actuated by SMA wires. Bioinspiration and Biomimetics, 2016, 11, 056012.	2.9	64
121	Conducting Polymers as EAPs: Device Configurations. , 2016, , 257-291.		3
122	Conducting Polymers as EAPs: Physical Description and Simulation. , 2016, , 353-383.		2
123	Conducting Polymers as EAPs: Applications. , 2016, , 385-411.		1
124	3D Printed Flexure Hinges for Soft Monolithic Prosthetic Fingers. Soft Robotics, 2016, 3, 120-133.	8.0	135
125	A magnetically actuated anchoring system for a wireless endoscopic capsule. Biomedical Microdevices, 2016, 18, 102.	2.8	22
126	Development of a novel magnetophoresis-assisted hydrophoresis microdevice for rapid particle ordering. Biomedical Microdevices, 2016, 18, 54.	2.8	16

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127	A Magnetically Actuated Drug Delivery System for Robotic Endoscopic Capsules. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	13
128	Size Optimization of a Magnetic System for Drug Delivery With Capsule Robots. IEEE Transactions on Magnetics, 2016, 52, 1-11.	2.1	17
129	Internal Energy Transfer in Dynamical Behavior of Slightly Curved Shear Deformable Microplates. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	14
130	Three-Dimensional Kinematic Modeling of Helix-Forming Lamina-Emergent Soft Smart Actuators Based on Electroactive Polymers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-12.	9.3	8
131	A Soft Mechatronic Microstage Mechanism Based on Electroactive Polymer Actuators. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1467-1478.	5.8	24
132	Three-dimensional particle focusing under viscoelastic flow based on dean-flow-coupled elasto-inertial effects. , 2016, , .		0
133	Bottom-up microfabrication process for individually controlled conjugated polymer actuators. Sensors and Actuators B: Chemical, 2016, 230, 818-824.	7.8	27
134	Size-dependent performance of microgyroscopes. International Journal of Engineering Science, 2016, 100, 99-111.	5.0	160
135	Experimental nonlinear dynamics of a geometrically imperfect magneto-rheological elastomer sandwich beam. Composite Structures, 2016, 138, 381-390.	5.8	25
136	Nonlinear dynamics of a parametrically excited beam with a central magneto-rheological elastomer patch: An experimental investigation. International Journal of Mechanical Sciences, 2016, 106, 157-167.	6.7	21
137	Controlled delivery of drugs adsorbed onto porous Fe 3 O 4 structures by application of AC/DC magnetic fields. Microporous and Mesoporous Materials, 2016, 226, 243-250.	4.4	27
138	An experimental investigation into nonlinear dynamics of a magneto-rheological elastomer sandwich beam. Smart Materials and Structures, 2016, 25, 015018.	3.5	7
139	Fundamentals and applications of inertial microfluidics: a review. Lab on A Chip, 2016, 16, 10-34.	6.0	737
140	Development of a novel multi-layer MRE isolator for suppression of building vibrations under seismic events. Mechanical Systems and Signal Processing, 2016, 70-71, 811-820.	8.0	96
141	Conducting Polymers as EAPs: Device Configurations. , 2016, , 1-35.		0
142	Conducting Polymers as EAPs: Physical Description and Simulation. , 2016, , 1-31.		1
143	Dean-flow-coupled elasto-inertial three-dimensional particle focusing under viscoelastic flow in a straight channel with asymmetrical expansionâ€“contraction cavity arrays. Biomicrofluidics, 2015, 9, 044108.	2.4	49
144	Development of a linear damper working with magnetorheological shear thickening fluids. Journal of Intelligent Material Systems and Structures, 2015, 26, 1811-1817.	2.5	34

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145	Horizontal vibration reduction of a seat suspension using negative changing stiffness magnetorheological elastomer isolators. International Journal of Vehicle Design, 2015, 68, 104.	0.3	51
146	A hybrid dielectrophoretic and hydrophoretic microchip for particle sorting using integrated prefocusing and sorting steps. Electrophoresis, 2015, 36, 284-291.	2.4	34
147	Fabrication and characterization of a magnetic micro-actuator based on deformable Fe-doped PDMS artificial cilium using 3D printing. Smart Materials and Structures, 2015, 24, 035015.	3.5	33
148	Subcritical parametric dynamics of microbeams. International Journal of Engineering Science, 2015, 95, 36-48.	5.0	48
149	Development of a novel variable stiffness and damping magnetorheological fluid damper. Smart Materials and Structures, 2015, 24, 085021.	3.5	53
150	Soft, flexible micromanipulators comprising polypyrrole trilayer microactuators. , 2015, , .		2
151	An adaptive tuned vibration absorber based on multilayered MR elastomers. Smart Materials and Structures, 2015, 24, 045045.	3.5	64
152	Performance evaluation and comparison of magnetorheological elastomer absorbers working in shear and squeeze modes. Journal of Intelligent Material Systems and Structures, 2015, 26, 1757-1763.	2.5	40
153	Size-dependent electro-elasto-mechanics of MEMS with initially curved deformable electrodes. International Journal of Mechanical Sciences, 2015, 103, 247-264.	6.7	25
154	An accurate model for size optimization of an embedded permanent magnet for drug delivery with capsule robots. , 2015, , .		3
155	Effect of flexure hinge type on a 3D printed fully compliant prosthetic finger. , 2015, , .		29
156	A Compact Variable Stiffness and Damping Shock Absorber for Vehicle Suspension. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2621-2629.	5.8	77
157	Towards soft robotic devices for site-specific drug delivery. Expert Review of Medical Devices, 2015, 12, 703-715.	2.8	17
158	Optimization of multiple arc-shaped magnets for drug delivery in a capsule robot. , 2015, , .		2
159	Development of an MRE adaptive tuned vibration absorber with self-sensing capability. Smart Materials and Structures, 2015, 24, 095012.	3.5	23
160	An integrated dielectrophoresis-active hydrophoretic microchip for continuous particle filtration and separation. Journal of Micromechanics and Microengineering, 2015, 25, 084010.	2.6	26
161	An Effective Localization Method for Robotic Endoscopic Capsules Using Multiple Positron Emission Markers. IEEE Transactions on Robotics, 2014, 30, 1174-1186.	10.3	30
162	A Compliant Translational Mechanism Based on Dielectric Elastomer Actuators. Journal of Mechanical Design, Transactions of the ASME, 2014, 136, .	2.9	24

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163	Force control of a tri-layer conducting polymer actuator using optimized fuzzy logic control. Smart Materials and Structures, 2014, 23, 125024.	3.5	3
164	Concept and simulation study of a novel localization method for robotic endoscopic capsules using multiple positron emission markers. Medical Physics, 2014, 41, 072501.	3.0	15
165	Robust control of a trilayer conducting polymer actuator. Proceedings of SPIE, 2014, , .	0.8	0
166	Making a hydrophoretic focuser tunable using a diaphragm. Biomicrofluidics, 2014, 8, 064115.	2.4	9
167	Experimental investigation into biomechanical and biotribological properties of a real intestine and their significance for design of a spiral-type robotic capsule. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 280-286.	1.8	5
168	How the type of input function affects the dynamic response of conducting polymer actuators. Smart Materials and Structures, 2014, 23, 105008.	3.5	2
169	Control of conducting polymer actuators without physical feedback: simulated feedback control approach with particle swarm optimization. Smart Materials and Structures, 2014, 23, 035014.	3.5	4
170	Particle inertial focusing and its mechanism in a serpentine microchannel. Microfluidics and Nanofluidics, 2014, 17, 305-316.	2.2	114
171	Electro-mechanical modelling and identification of electroactive polymer actuators as smart robotic manipulators. Mechatronics, 2014, 24, 241-251.	3.3	22
172	Modelling and identifying the parameters of a magneto-rheological damper with a force-lag phenomenon. Applied Mathematical Modelling, 2014, 38, 3763-3773.	4.2	48
173	A review of microfabrication techniques and dielectrophoretic microdevices for particle manipulation and separation. Journal Physics D: Applied Physics, 2014, 47, 063001.	2.8	174
174	Real-time control of inertial focusing in microfluidics using dielectrophoresis (DEP). RSC Advances, 2014, 4, 62076-62085.	3.6	62
175	An Advanced Mathematical Model and its Experimental Verification for Trilayer Conjugated Polymer Actuators. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1279-1288.	5.8	14
176	Kinematic analyses of novel translational parallel manipulators. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 330-341.	2.1	6
177	Design optimization of a magnetomechanical system for drug delivery in wireless capsule endoscopy. , 2014, , .		4
178	Modeling a soft robotic mechanism articulated with dielectric elastomer actuators. , 2014, , .		9
179	High throughput extraction of plasma using a secondary flow-aided inertial microfluidic device. RSC Advances, 2014, 4, 33149.	3.6	88
180	Isolating plasma from blood using a dielectrophoresis-active hydrophoretic device. Lab on A Chip, 2014, 14, 2993.	6.0	73

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181	An active-compliant micro-stage based on EAP artificial muscles. , 2014, , .		9
182	Intelligent Control of Electroactive Polymer Actuators Based on Fuzzy and Neurofuzzy Methodologies. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1951-1962.	5.8	34
183	A novel magnetorheological elastomer isolator with negative changing stiffness for vibration reduction. Smart Materials and Structures, 2014, 23, 105023.	3.5	88
184	A review of drug delivery systems for capsule endoscopy. Advanced Drug Delivery Reviews, 2014, 71, 77-85.	13.7	112
185	Modeling and inverse feedforward control for conducting polymer actuators with hysteresis. Smart Materials and Structures, 2014, 23, 025015.	3.5	19
186	The development of an adaptive tuned magnetorheological elastomer absorber working in squeeze mode. Smart Materials and Structures, 2014, 23, 075009.	3.5	64
187	An Adaptive Neuro Fuzzy Hybrid Control Strategy for a Semiactive Suspension with Magneto Rheological Damper. Advances in Mechanical Engineering, 2014, 6, 487312.	1.6	33
188	Ionic electroactive polymer artificial muscles in space applications. Scientific Reports, 2014, 4, 6913.	3.3	64
189	On-chip high-throughput manipulation of particles in a dielectrophoresis-active hydrophoretic focuser. Scientific Reports, 2014, 4, 5060.	3.3	46
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