

Cesare Stefanini

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

3,873
citations

147566

31
h-index

161609

54
g-index

144
all docs

144
docs citations

144
times ranked

4141
citing authors

#	ARTICLE	IF	CITATIONS
1	Flagellate Underwater Robotics at Macroscale: Design, Modeling, and Characterization. IEEE Transactions on Robotics, 2022, 38, 731-747.	7.3	18
2	Harnessing shear stress preconditioning to improve cell viability in 3D post-printed biostructures using extrusion bioprinting. Bioprinting, 2022, 25, e00184.	2.9	4
3	Learning on a chip: Towards the development of trainable biohybrid sensors by investigating cognitive processes in non-marine Ostracoda via a miniaturised analytical system. Biosystems Engineering, 2022, 213, 162-174.	1.9	9
4	Automatic welding imperfections detection in a smart factory via 2-D laser scanner. Journal of Manufacturing Processes, 2022, 73, 948-960.	2.8	12
5	Fabrication of endoluminal medical devices. , 2022, , 165-186.		0
6	Lateralization of Courtship Traits Impacts Pentatomid Male Mating Success—Evidence from Field Observations. Insects, 2022, 13, 172.	1.0	3
7	Do asymmetric sexual interactions affect copulation in the saw-toothed grain beetle, <i>Oryzaephilus surinamensis</i> (L.) (Coleoptera: Silvanidae)? Journal of Stored Products Research, 2022, 96, 101946.	1.2	3
8	Robot-Fish Interaction Helps to Trigger Social Buffering in Neon Tetras: The Potential Role of Social Robotics in Treating Anxiety. International Journal of Social Robotics, 2022, 14, 963-972.	3.1	9
9	Any colour you like: fish interacting with bioinspired robots unravel mechanisms promoting mixed phenotype aggregations. Bioinspiration and Biomimetics, 2022, 17, 045004.	1.5	12
10	Design of magnetic coupling-based anti-biofouling mechanism for underwater optical sensors. , 2022, , .		2
11	Bio-robotic cues show how the Trinidadian guppy male recognises the morphological features of receptive females. Behavioural Processes, 2021, 182, 104283.	0.5	5
12	Behavioral Asymmetries Affecting Male Mating Success in <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae). Journal of Insect Behavior, 2021, 68, 1015-1028.	0.8	8
13	The Role of Insects in Medical Engineering and Bionics: Towards Entomomedical Engineering. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 909-918.	2.1	3
14	Multi-Compartment Lymph-Node-on-a-Chip Enables Measurement of Immune Cell Motility in Response to Drugs. Bioengineering, 2021, 8, 19.	1.6	9
15	Towards Bio-Hybrid Energy Harvesting in the Real-World: Pushing the Boundaries of Technologies and Strategies Using Bio-Electrochemical and Bio-Mechanical Processes. Applied Sciences (Switzerland), 2021, 11, 2220.	1.3	10
16	Opposite valence social information provided by bio-robotic demonstrators shapes selection processes in the green bottle fly. Journal of the Royal Society Interface, 2021, 18, 20210056.	1.5	13
17	Unveiling social distancing mechanisms via a fish-robot hybrid interaction. Biological Cybernetics, 2021, 115, 565-573.	0.6	13
18	Individual neon tetras (<i>Paracheirodon innesi</i> , Myers) optimise their position in the group depending on external selective contexts: Lesson learned from a fish-robot hybrid school. Biosystems Engineering, 2021, 204, 170-180.	1.9	14

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19	Transdifferentiation of Human Fibroblasts into Skeletal Muscle Cells: Optimization and Assembly into Engineered Tissue Constructs through Biological Ligands. <i>Biology</i> , 2021, 10, 539.	1.3	4
20	Lymph Nodes-On-Chip: Promising Immune Platforms for Pharmacological and Toxicological Applications. <i>Frontiers in Pharmacology</i> , 2021, 12, 711307.	1.6	21
21	MechaTag: A Mechanical Fiducial Marker and the Detection Algorithm. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 103, 1.	2.0	1
22	Nanocomposite Conductive Bioinks Based on Low-Concentration GelMA and MXene Nanosheets/Gold Nanoparticles Providing Enhanced Printability of Functional Skeletal Muscle Tissues. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5810-5822.	2.6	33
23	Wing-fanning frequency as a releaser boosting male mating success—High-speed video analysis of courtship behavior in <i>Campoplex capitator</i> , a parasitoid of <i>Lobesia botrana</i> . <i>Insect Science</i> , 2020, 27, 1298-1310.	1.5	10
24	A passively regulated full-toroidal continuously variable transmission. <i>Meccanica</i> , 2020, 55, 211-226.	1.2	2
25	Jumping Locomotion Strategies: From Animals to Bioinspired Robots. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8607.	1.3	26
26	Does geographical origin affect lateralization and male mating success in <i>Rhyzopertha dominica</i> beetles?. <i>Journal of Stored Products Research</i> , 2020, 88, 101630.	1.2	7
27	Load cell torques and force data collection during tele-operated robotic gas tungsten arc welding in presence of collisions. <i>Data in Brief</i> , 2020, 31, 105981.	0.5	3
28	Beetle-robot hybrid interaction: sex, lateralization and mating experience modulate behavioural responses to robotic cues in the larger grain borer <i>Prostephanus truncatus</i> (Horn). <i>Biological Cybernetics</i> , 2020, 114, 473-483.	0.6	28
29	An overview of extrusion-based bioprinting with a focus on induced shear stress and its effect on cell viability. <i>Bioprinting</i> , 2020, 20, e00093.	2.9	109
30	Optimization of Gold Nanoparticles for Efficient Delivery of Catalase to Macrophages for Alleviating Inflammation. <i>ACS Applied Nano Materials</i> , 2020, 3, 9510-9519.	2.4	12
31	Optimization of a wearable speed monitoring device for welding applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 1285-1293.	1.5	3
32	Inhibition of SARS-CoV-2 Entry into Host Cells Using Small Molecules. <i>Pharmaceuticals</i> , 2020, 13, 447.	1.7	24
33	Tympanic Membrane Collagen Expression by Dynamically Cultured Human Mesenchymal Stromal Cell/Star-Branched Poly(μ -Caprolactone) Nonwoven Constructs. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3043.	1.3	10
34	Head-Mounted Standalone Real-Time Tracking System for Moving Light-Emitting Targets Fusing Vision and Inertial Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 8953-8961.	2.4	4
35	SARS-CoV-2/COVID-19: Viral Genomics, Epidemiology, Vaccines, and Therapeutic Interventions. <i>Viruses</i> , 2020, 12, 526.	1.5	197
36	Mobility parameters of <i>Tribolium castaneum</i> and <i>Rhyzopertha dominica</i> populations with different susceptibility to phosphine. <i>Journal of Stored Products Research</i> , 2020, 87, 101593.	1.2	21

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37	Anisotropic computational modelling of bony structures from CT data: An almost automatic procedure. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 189, 105319.	2.6	11
38	Impact of Aging and Cognitive Mechanisms on High-Speed Motor Activation Patterns: Evidence From an Orthoptera-Robot Interaction. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 292-296.	2.1	28
39	Insect Ultra-Structures as Effective Physical-Based Bactericidal Surfaces. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 425-436.	2.1	1
40	A COUPLED EXPERIMENTAL AND NUMERICAL APPROACH TO CHARACTERIZE THE ANISOTROPIC MECHANICAL BEHAVIOR OF AORTIC TISSUES. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 2050027.	0.3	1
41	Effect of Substrates' Compliance on the Jumping Mechanism of <i>Locusta migratoria</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 661.	2.0	11
42	Haptic-based touch detection for collaborative robots in welding applications. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 64, 101952.	6.1	25
43	Together We Stand – Analyzing Schooling Behavior in Naive Newborn Cuppies through Biorobotic Predators. <i>Journal of Bionic Engineering</i> , 2020, 17, 174-184.	2.7	20
44	Impact of Different Developmental Instars on <i>Locusta migratoria</i> Jumping Performance. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-11.	0.5	8
45	Multi-Compartment 3D-Cultured Organ-on-a-Chip: Towards a Biomimetic Lymph Node for Drug Development. <i>Pharmaceutics</i> , 2020, 12, 464.	2.0	42
46	Encoding lateralization of jump kinematics and eye use in a locust via bio-robotic artifacts. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	41
47	Fighting fish love robots: mate discrimination in males of a highly territorial fish by using female-mimicking robotic cues. <i>Hydrobiologia</i> , 2019, 833, 185-196.	1.0	26
48	Design, Modeling and Testing of a Flagellum-inspired Soft Underwater Propeller Exploiting Passive Elasticity. , 2019, , .		2
49	A review on animal-robot interaction: from bio-hybrid organisms to mixed societies. <i>Biological Cybernetics</i> , 2019, 113, 201-225.	0.6	130
50	Passive Discrete Variable Stiffness Joint (pDVSJ-II): Modeling, Design, Characterization, and Testing Toward Passive Haptic Interface. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	1.5	19
51	Asymmetric courtship boosts male mating success in the red flour beetle, <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae). <i>Journal of Stored Products Research</i> , 2019, 81, 1-6.	1.2	22
52	Modelling jumping in <i>Locusta migratoria</i> and the influence of substrate roughness. <i>Entomologia Generalis</i> , 2019, 38, 317-332.	1.1	15
53	Underwater Robotic Welding of Lap Joints with Sandwiched Reactive Multilayers: Thermal, Mechanical and Material Analysis. <i>MRS Advances</i> , 2018, 3, 911-920.	0.5	3
54	Artificial blood feeders for mosquitoes and ticks – Where from, where to?. <i>Acta Tropica</i> , 2018, 183, 43-56.	0.9	33

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55	A Bionic Sphincter for Stress Urinary Incontinence: Design and Preliminary Experiments. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 203-208.	0.5	0
56	subCULTron - Cultural Development as a Tool in Underwater Robotics. <i>Communications in Computer and Information Science</i> , 2018, , 27-41.	0.4	16
57	Force sensing drill jig for robotic assisted drilling. <i>Industrial Robot</i> , 2018, 45, 181-192.	1.2	0
58	High innate attractiveness to black targets in the blue blowfly, <i>Calliphora vomitoria</i> (L.) (Diptera: Tj ETQq0 0 0 rgBT/Overlock 5 10 Tf 50 6	0.9	5
59	Behavioral asymmetries in the mealybug parasitoid <i>Anagyrus</i> sp. near pseudococci: does lateralized antennal tapping predict male mating success?. <i>Journal of Pest Science</i> , 2018, 91, 341-349.	1.9	25
60	Behavioral asymmetries in ticks – Lateralized questing of <i>Ixodes ricinus</i> to a mechatronic apparatus delivering host-borne cues. <i>Acta Tropica</i> , 2018, 178, 176-181.	0.9	19
61	In Vitro Immune Organs-on-Chip for Drug Development: A Review. <i>Pharmaceutics</i> , 2018, 10, 278.	2.0	54
62	Design of A Novel Passive Binary-Controlled Variable Stiffness Joint (BpVSJ) Towards Passive Haptic Interface Application. <i>IEEE Access</i> , 2018, 6, 63045-63057.	2.6	19
63	End-to-End Noise Model for Intra-Body Terahertz Nanoscale Communication. <i>IEEE Transactions on Nanobioscience</i> , 2018, 17, 464-473.	2.2	35
64	Polypyrrole/Agarose Hydrogel-Based Bladder Volume Sensor with a Resistor Ladder Structure. <i>Sensors</i> , 2018, 18, 2288.	2.1	9
65	3D fiber deposited polymeric scaffolds for external auditory canal wall. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 63.	1.7	8
66	Instrumentation of an External Fixator for Force and Bone Healing Process Monitoring. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 456-461.	0.5	0
67	Stochastic noise model for intra-body terahertz nanoscale communication. , 2018, , .		2
68	Multiple behavioural asymmetries impact male mating success in the khapra beetle, <i>Trogoderma granarium</i> . <i>Journal of Pest Science</i> , 2017, 90, 901-909.	1.9	25
69	Measuring 3D-orthodontic actions to guide clinical treatments involving coil springs and miniscrews. <i>Biomedical Microdevices</i> , 2017, 19, 14.	1.4	3
70	Escape and surveillance asymmetries in locusts exposed to a Guinea fowl-mimicking robot predator. <i>Scientific Reports</i> , 2017, 7, 12825.	1.6	49
71	Implantable Systems for Stress Urinary Incontinence. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2717-2732.	1.3	13
72	Nanoparticles as effective acaricides against ticks – A review. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 821-826.	1.1	72

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73	Multiple cues produced by a robotic fish modulate aggressive behaviour in Siamese fighting fishes. <i>Scientific Reports</i> , 2017, 7, 4667.	1.6	57
74	Bovine bone matrix/poly(L-lactic-co- ϵ -caprolactone)/gelatin hybrid scaffold (SmartBone \hat{A}) for maxillary sinus augmentation: A histologic study on bone regeneration. <i>International Journal of Pharmaceutics</i> , 2017, 523, 534-544.	2.6	34
75	Ossicular replacement prostheses from banked bone with ergonomic and functional geometry. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2495-2506.	1.6	13
76	Asymmetry of mating behaviour affects copulation success in two stored-product beetles. <i>Journal of Pest Science</i> , 2017, 90, 547-556.	1.9	28
77	Implantable bladder volume sensor based on resistor ladder network composed of conductive hydrogel composite. , 2017, 2017, 1732-1735.		11
78	aMussels: Diving and Anchoring in a New Bio-inspired Under-Actuated Robot Class for Long-Term Environmental Exploration and Monitoring. <i>Lecture Notes in Computer Science</i> , 2017, , 300-314.	1.0	5
79	Is bigger better? Male body size affects wingborne courtship signals and mating success in the olive fruit fly, <i>Bactrocera oleae</i> (Diptera: Tephritidae). <i>Insect Science</i> , 2016, 23, 869-880.	1.5	14
80	Investigation of Collective Behaviour and Electrocommunication in the Weakly Electric Fish, <i>Mormyrus rume</i> , through a biomimetic Robotic Dummy Fish. <i>Bioinspiration and Biomimetics</i> , 2016, 11, 066009.	1.5	31
81	Novel passive Discrete Variable Stiffness Joint (pDVSJ): Modeling, design, and characterization. , 2016, , .		9
82	A novel shared control algorithm for industrial robots. <i>International Journal of Advanced Robotic Systems</i> , 2016, 13, 172988141668270.	1.3	13
83	Lateralized courtship in a parasitic wasp. <i>Laterality</i> , 2016, 21, 243-254.	0.5	33
84	Impact of geographical origin and rearing medium on mating success and lateralization in the rice weevil, <i>Sitophilus oryzae</i> (L.) (Coleoptera: Curculionidae). <i>Journal of Stored Products Research</i> , 2016, 69, 106-112.	1.2	35
85	A novel spiking CPG-based implementation system to control a lamprey robot. , 2016, , .		8
86	Singing on the wings! Male wing fanning performances affect female willingness to copulate in the aphid parasitoid <i>Lysiphlebus testaceipes</i> (Hymenoptera: Braconidae: Aphidiinae). <i>Insect Science</i> , 2016, 23, 603-611.	1.5	4
87	Modeling and preliminary analysis of a miniaturized rotary motor driven by single piezoelectric stack actuator. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 1476-1484.	1.4	5
88	Analysis of the structural behaviour of colonic segments by inflation tests: Experimental activity and physio-mechanical model. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2015, 229, 794-803.	1.0	15
89	A multi-depth sensorised micro sampling system. , 2015, , .		1
90	A bioinspired multi-modal flying and walking robot. <i>Bioinspiration and Biomimetics</i> , 2015, 10, 016005.	1.5	63

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91	Lateralisation of aggressive displays in a tephritid fly. <i>Die Naturwissenschaften</i> , 2015, 102, 1251.	0.6	50
92	Underwater navigation based on passive electric sense: New perspectives for underwater docking. <i>International Journal of Robotics Research</i> , 2015, 34, 1228-1250.	5.8	39
93	Novel universal system for 3-dimensional orthodontic force-moment measurements and its clinical use. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015, 148, 174-183.	0.8	25
94	Multiscale fabrication of biomimetic scaffolds for tympanic membrane tissue engineering. <i>Biofabrication</i> , 2015, 7, 025005.	3.7	63
95	A reliable and fast hydrogen gas leakage detector based on irreversible cracking of decorated palladium nanolayer upon aligned polymer fibers. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 746-751.	3.8	24
96	Towards docking for small scale underwater robots. <i>Autonomous Robots</i> , 2015, 38, 283-299.	3.2	20
97	ANALYSIS OF THE PASSIVE MECHANICAL BEHAVIOR OF TAENIAE COLI: EXPERIMENTAL AND NUMERICAL APPROACH. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450012.	0.3	2
98	A spiking implementation of the lamprey's Central Pattern Generator in neuromorphic VLSI. , 2014, , .		17
99	Piezoelectric Energy Harvesting Solutions. <i>Sensors</i> , 2014, 14, 4755-4790.	2.1	319
100	First Quantification of Courtship Behavior in a Silver Fly, <i>Leucopis palumbii</i> (Diptera: Chamaemyiidae): Role of Visual, Olfactory and Tactile Cues. <i>Journal of Insect Behavior</i> , 2014, 27, 462-477.	0.4	11
101	Constitutive formulations for the mechanical investigation of colonic tissues. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 1243-1254.	2.1	39
102	Associative learning for danger avoidance nullifies innate positive chemotaxis to host olfactory stimuli in a parasitic wasp. <i>Die Naturwissenschaften</i> , 2014, 101, 753-757.	0.6	15
103	May the wild male loose? Male wing fanning performances and mating success in wild and mass-reared strains of the aphid parasitoid <i>Aphidius colemani</i> Viereck (Hymenoptera: Braconidae: Aphidiinae). <i>BioControl</i> , 2014, 59, 487-500.	0.9	8
104	Male Wing Fanning Performance During Successful and Unsuccessful Mating in the Parasitic Wasp <i>Lariophagus distinguendus</i> Förster (Hymenoptera: Pteromalidae). <i>Journal of Insect Behavior</i> , 2013, 26, 228-237.	0.4	26
105	Behavioural and electrophysiological responses of the olive fruit fly, <i>Bactrocera oleae</i> (Rossi) (Diptera: Tephritidae), to male- and female-borne sex attractants. <i>Chemoecology</i> , 2013, 23, 155-164.	0.6	35
106	Design of a Robotic Module for Autonomous Exploration and Multimode Locomotion. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013, 18, 1757-1766.	3.7	28
107	Autonomous Underwater Biorobots: A Wireless System for Power Transfer. <i>IEEE Robotics and Automation Magazine</i> , 2013, 20, 26-32.	2.2	32
108	Electrolocation Sensors in Conducting Water Bio-Inspired by Electric Fish. <i>IEEE Sensors Journal</i> , 2013, 13, 1865-1882.	2.4	24

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109	Optical-guided autonomous docking method for underwater reconfigurable robot. , 2013, , .		3
110	The green leafhopper, <i>Cicadella viridis</i> (Hemiptera, Auchenorrhyncha, Cicadellidae), jumps with near-constant acceleration. Journal of Experimental Biology, 2013, 216, 1270-1279.	0.8	31
111	Jumping Like an Insect: From Biomimetic Inspiration to a Jumping Minirobot Design. Microsystems, 2013, , 207-221.	0.3	3
112	The production of female sex pheromone in <i>Bactrocera oleae</i> (Rossi) young males does not influence their mating chances. Entomological Science, 2013, 16, 47-53.	0.3	32
113	The green leafhopper, <i>Cicadella viridis</i> (Hemiptera, Auchenorrhyncha, Cicadellidae), jumps with near-constant acceleration. Journal of Experimental Biology, 2013, 216, 2161-2161.	0.8	1
114	Development of Bioinspired Artificial Sensory Cilia. Microsystems, 2013, , 193-206.	0.3	0
115	Male Wing Vibration in the Mating Behavior of the Olive Fruit Fly <i>Bactrocera oleae</i> (Rossi) (Diptera:) Tj ETQq1 1 0.784314 rgBT / Overl	0.4	49
116	An underwater reconfigurable robot with bioinspired electric sense. , 2012, , .		28
117	Special issue featuring selected papers from the International Workshop on Bio-Inspired Robots (Nantes, France, 6-8 April 2011). Bioinspiration and Biomimetics, 2012, 7, 020201.	1.5	1
118	Courtship and mating behaviour in the fruit fly parasitoid <i>Psytalia concolor</i> (Szpligeti) (Hymenoptera: Braconidae): the role of wing fanning. Journal of Pest Science, 2012, 85, 55-63.	1.9	43
119	Jumping like an insect: Design and dynamic optimization of a jumping mini robot based on bio-mimetic inspiration. Mechatronics, 2012, 22, 167-176.	2.0	108
120	Experimental research on thermo-direct fiber drawing technique. Microelectronic Engineering, 2011, 88, 2653-2656.	1.1	7
121	Preliminary study on development of PVDF nanofiber based energy harvesting device for an artery microrobot. Microelectronic Engineering, 2011, 88, 2251-2254.	1.1	19
122	Analysis on heat resistance of the micro heat pipe with arteries. Microelectronic Engineering, 2011, 88, 2255-2258.	1.1	11
123	CoCoRo – The Self-Aware Underwater Swarm. , 2011, , .		67
124	Good Manufacturing Practices-Grade Preformed Ossicular Prostheses from Banked Bone via Computer Numerically Controlled Micromilling. Annals of Otology, Rhinology and Laryngology, 2011, 120, 9-16.	0.6	6
125	Real-time control and evaluation of a teleoperated miniature arm for Single Port Laparoscopy. , 2011, 2011, 7049-53.		8
126	Biomimetic flexible/compliant sensors for a soft-body lamprey-like robot. Robotics and Autonomous Systems, 2010, 58, 1138-1148.	3.0	29

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127	A Novel Bioinspired PVDF Micro/Nano Hair Receptor for a Robot Sensing System. <i>Sensors</i> , 2010, 10, 994-1011.	2.1	69
128	Design of a Bionic Saltatorial Leg for Jumping Mini Robot. <i>Lecture Notes in Computer Science</i> , 2010, , 477-487.	1.0	0
129	Jumping mini-robot with bio-inspired legs. , 2009, , .		8
130	Bioinspired Jumping Locomotion in Small Robots: Natural Observation, Design, Experiments. <i>Springer Tracts in Advanced Robotics</i> , 2009, , 329-338.	0.3	4
131	The use of compliant joints and elastic energy storage in bio-inspired legged robots. <i>Mechanism and Machine Theory</i> , 2009, 44, 580-590.	2.7	77
132	Novel biological/biohybrid prostheses for the ossicular chain: fabrication feasibility and preliminary functional characterization. <i>Biomedical Microdevices</i> , 2009, 11, 783-793.	1.4	17
133	Design and Fabrication of a Motor Legged Capsule for the Active Exploration of the Gastrointestinal Tract. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008, 13, 169-179.	3.7	134
134	Low Power Piezoelectric Micro Mass Flow Controller for Liquid Fuel Injection. , 2007, , .		0
135	Jumping Mini-Robot as a Model of Scale Effects on Legged Locomotion. , 2007, , .		7
136	Design and Development of the Long-Jumping "Grillo" Mini Robot. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	80
137	Modeling a vertebrate motor system: pattern generation, steering and control of body orientation. <i>Progress in Brain Research</i> , 2007, 165, 221-234.	0.9	60
138	Towards active capsular endoscopy: preliminary results on a legged platform. , 2006, 2006, 2215-8.		8
139	Integration of a Miniaturised Triaxial Force Sensor in a Minimally Invasive Surgical Tool. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 2397-2400.	2.5	77
140	Analysis and development of locomotion devices for the gastrointestinal tract. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 613-616.	2.5	186
141	A Computer-Assisted Robotic Ultrasound-Guided Biopsy System for Video-Assisted Surgery. <i>Lecture Notes in Computer Science</i> , 2001, , 343-350.	1.0	21