Jose L Pons

List of Publications by Year
in descending order

161 papers	5,203 citations	94433 37 h-index	110387 64 g-index
186 all docs	186 docs citations	186 times ranked	4480 citing authors

#	Article	IF	Citations
1	Intramuscular EMG-Driven Musculoskeletal Modelling: Towards Implanted Muscle Interfacing in Spinal Cord Injury Patients. IEEE Transactions on Biomedical Engineering, 2022, 69, 63-74.	4.2	15
2	Online Tracking of the Phase Difference Between Neural Drives to Antagonist Muscle Pairs in Essential Tremor Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 709-718.	4.9	7
3	Non-invasive electrical stimulation of peripheral nerves for the management of tremor. Journal of the Neurological Sciences, 2022, 435, 120195.	0.6	11
4	Individual differences in the neural strategies to control the lateral and medial head of the quadriceps during a mechanically constrained task. Journal of Applied Physiology, 2021, 130, 269-281.	2.5	28
5	Intramuscular Stimulation of Muscle Afferents Attains Prolonged Tremor Reduction in EssentialÂTremor Patients. IEEE Transactions on Biomedical Engineering, 2021, 68, 1768-1776.	4.2	22
6	Peripheral electrical stimulation to reduce pathological tremor: a review. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 33.	4.6	27
7	Effects of gravity and kinematic constraints on muscle synergies in arm cycling. Journal of Neurophysiology, 2021, 125, 1367-1381.	1.8	17
8	A convolutional neural network to identify motor units from high-density surface electromyography signals in real time. Journal of Neural Engineering, 2021, 18, 056003.	3.5	27
9	EEG hyperscanning in motor rehabilitation: a position paper. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 98.	4.6	12
10	A Framework for Dyadic Physical Interaction Studies During Ankle Motor Tasks. IEEE Robotics and Automation Letters, 2021, 6, 6876-6883.	5.1	5
11	Human-machine-human interaction in motor control and rehabilitation: a review. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 183.	4.6	11
12	Benchmarking Human Likeness of Bipedal Robot Locomotion: State of the Art and Future Trends. Cognitive Systems Monographs, 2020, , 147-166.	0.1	13
13	From the State of the Art of Assessment Metrics Toward Novel Concepts for Humanoid Robot Locomotion Benchmarking. IEEE Robotics and Automation Letters, 2020, 5, 914-920.	5.1	7
14	Comparison of Intramuscular and Surface Electromyography Recordings Towards the Control of Wearable Robots for Incomplete Spinal Cord Injury Rehabilitation. , 2020, , .		8
15	Reorganization of Muscle Coordination Underlying Motor Learning in Cycling Tasks. Frontiers in Bioengineering and Biotechnology, 2020, 8, 800.	4.1	19
16	Women with patellofemoral pain show altered motor coordination during lateral step down. Journal of Biomechanics, 2020, 110, 109981.	2.1	9
17	Performance Evaluation of Lower Limb Exoskeletons: A Systematic Review. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1573-1583.	4.9	105
18	Haptic Adaptive Feedback to Promote Motor Learning With a Robotic Ankle Exoskeleton Integrated With a Video Game. Frontiers in Bioengineering and Biotechnology, 2020, 8, 113.	4.1	19

#	Article	IF	Citations
19	Witnessing a wearables transition. Science, 2019, 365, 636-637.	12.6	18
20	Voluntary control of wearable robotic exoskeletons by patients with paresis via neuromechanical modeling. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 91.	4.6	76
21	Theoretical approach for designing the rehabilitation robot controller. Advanced Robotics, 2019, 33, 674-686.	1.8	3
22	Influences of the biofeedback content on robotic post-stroke gait rehabilitation: electromyographic vs joint torque biofeedback. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 95.	4.6	39
23	HYBRID: Ambulatory Robotic Gait Trainer with Movement Induction and Partial Weight Support. Sensors, 2019, 19, 4773.	3.8	5
24	Modulation of reciprocal inhibition at the wrist as a neurophysiological correlate of tremor suppression: a pilot healthy subject study. , 2019, 2019, 6267-6272.		9
25	Tacit adaptability on submaximal force control for ankle robotic training. , 2019, , .		1
26	Voluntary and tremorogenic inputs to motor neuron pools of agonist/antagonist muscles in essential tremor patients. Journal of Neurophysiology, 2019, 122, 2043-2053.	1.8	19
27	An Adaptable Human-Like Gait Pattern Generator Derived From a Lower Limb Exoskeleton. Frontiers in Robotics and AI, 2019, 6, 36.	3.2	11
28	Compliant lower limb exoskeletons: a comprehensive review on mechanical design principles. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 55.	4.6	117
29	A Variable Stiffness Actuator Module With Favorable Mass Distribution for a Bio-inspired Biped Robot. Frontiers in Neurorobotics, 2019, 13, 20.	2.8	16
30	Bringing inclusivity to robotics with INBOTS. Nature Machine Intelligence, 2019, 1, 164-164.	16.0	3
31	A thin-film multichannel electrode for muscle recording and stimulation in neuroprosthetics applications. Journal of Neural Engineering, 2019, 16, 026035.	3.5	26
32	Lower Limb Exoskeletons in Latin-America. Biosystems and Biorobotics, 2019, , 206-209.	0.3	0
33	Fatigue Compensating Muscle Excitability Enhancement by Transcranial Magnetic Stimulation: A Case Report. Biosystems and Biorobotics, 2019, , 839-843.	0.3	1
34	Feasibility of Submaximal Force Control Training for Robotâ€“Mediated Therapy After Stroke. Biosystems and Biorobotics, 2019, , 256-260.	0.3	1
35	Comparing Recalibration Strategies for Electroencephalography-Based Decoders of Movement Intention in Neurological Patients with Motor Disability. International Journal of Neural Systems, 2018, 28, 1750060.	5.2	12
36	Neural Decoding of Robot-Assisted Gait During Rehabilitation After Stroke. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 541-550.	1.4	35

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37	Assessing sensorimotor excitability after spinal cord injury: a reflex testing method based on cycling with afferent stimulation. Medical and Biological Engineering and Computing, 2018, 56, 1425-1434.	2.8	3
38	Exoskeletons for Over-Ground Gait Training in Spinal Cord Injury. Biosystems and Biorobotics, 2018, , 253-265.	0.3	2
39	A Pilot Study of Brain-Triggered Electrical Stimulation with Visual Feedback in Patients with Incomplete Spinal Cord Injury. Journal of Medical and Biological Engineering, 2018, 38, 790-803.	1.8	18
40	Motor Unit-Driven Identification of Pathological Tremor in Electroencephalograms. Frontiers in Neurology, 2018, 9, 879.	2.4	7
41	Exoskeletons for lower-limb rehabilitation. , 2018, , 89-99.		14
42	A Subject-Specific Kinematic Model to Predict Human Motion in Exoskeleton-Assisted Gait. Frontiers in Neurorobotics, 2018, 12, 18.	2.8	27
43	Volition-adaptive control for gait training using wearable exoskeleton: preliminary tests with incomplete spinal cord injury individuals. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 4.	4.6	18
44	IMU-Based Classification of Parkinson's Disease From Gait: A Sensitivity Analysis on Sensor Location and Feature Selection. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1765-1774.	6.3	141
45	Robotic Platform with Visual Paradigm to Induce Motor Learning in Healthy Subjects. Advances in Intelligent Systems and Computing, 2018, , 569-579.	0.6	1
46	Modular control of gait after incomplete spinal cord injury: differences between sides. Spinal Cord, 2017, 55, 79-86.	1.9	33
47	Afferent electrical stimulation during cycling improves spinal processing of sensorimotor function after incomplete spinal cord injury. NeuroRehabilitation, 2017, 40, 429-437.	1.3	10
48	Boosting the traditional physiotherapist approach for stroke spasticity using a sensorized ankle foot orthosis: a pilot study. Topics in Stroke Rehabilitation, 2017, 24, 447-456.	1.9	13
49	Combining muscle synergies and biomechanical analysis to assess gait in stroke patients. Journal of Biomechanics, 2017, 63, 98-103.	2.1	57
50	Sliding mode control for functional electrical stimulation of a musculoskeletal model. , 2017, , .		3
51	Global Kalman filter approaches to estimate absolute angles of lower limb segments. BioMedical Engineering OnLine, 2017, 16, 58.	2.7	12
52	Longitudinal estimation of intramuscular Tibialis Anterior coherence during subacute spinal cord injury: relationship with neurophysiological, functional and clinical outcome measures. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 58.	4.6	13
53	Muscle Synergies: A Compact Way to Describe and Restore Neuromuscular Coordination. Biosystems and Biorobotics, 2017, , 1403-1407.	0.3	0
54	Usability of the Combination of Brain-Computer Interface, Functional Electrical Stimulation and Virtual Reality for Improving Hand Function in Spinal Cord Injured Patients. Biosystems and Biorobotics, 2017, , 331-335.	0.3	0

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55	Neural Control of Muscles in Tremor Patients. Biosystems and Biorobotics, 2017, , 129-134.	0.3	3
56	Novel kinematic indices for quantifying upper limb ability and dexterity after cervical spinal cord injury. Medical and Biological Engineering and Computing, 2017, 55, 833-844.	2.8	11
57	Detection of Subjectâ€™s Intention to Trigger Transitions Between Sit, Stand and Walk with a Lower Limb Exoskeleton. Biosystems and Biorobotics, 2017, , 249-253.	0.3	4
58	Joint stiffness modulation of compliant actuators for lower limb exoskeletons. , 2017, 2017, 1287-1292.		2
59	Neural decoding of robot-assisted gait during rehabilitation after stroke. , 2017, , .		1
60	Low Latency Estimation of Motor Intentions to Assist Reaching Movements along Multiple Sessions in Chronic Stroke Patients: A Feasibility Study. Frontiers in Neuroscience, 2017, 11, 126.	2.8	23
61	Electrical Stimulation of Afferent Pathways for the Suppression of Pathological Tremor. Frontiers in Neuroscience, 2017, 11, 178.	2.8	44
62	Physiological Evaluation of Different Control Modes of Lower Limb Robotic Exoskeleton H2 in Patients with Incomplete Spinal Cord Injury. Biosystems and Biorobotics, 2017, , 343-348.	0.3	3
63	Proposal for Clinical Validation of Lower Limb Robotic Exoskeleton in Patients with Incomplete Spinal Cord Injury. Biosystems and Biorobotics, 2017, , 1439-1443.	0.3	0
64	Feedback error learning controller for functional electrical stimulation assistance in a hybrid robotic system for reaching rehabilitation. European Journal of Translational Myology, 2016, 26, 6164.	1.7	26
65	Inertial Sensor Error Reduction through Calibration and Sensor Fusion. Sensors, 2016, 16, 235.	3.8	13
66	Novel kinematic indices for quantifying movement agility and smoothness after cervical Spinal Cord Injury. NeuroRehabilitation, 2016, 38, 199-209.	1.3	5
67	Human-like compliant locomotion: state of the art of robotic implementations. Bioinspiration and Biomimetics, 2016, 11, 051002.	2.9	87
68	Maintenance of cutaneomuscular neuronal excitability after leg-cycling predicts lower limb muscle strength after incomplete spinal cord injury. Clinical Neurophysiology, 2016, 127, 2402-2409.	1.5	7
69	Hybrid robotic systems for upper limb rehabilitation after stroke: A review. Medical Engineering and Physics, 2016, 38, 1279-1288.	1.7	69
70	Combining a hybrid robotic system with a bain-machine interface for the rehabilitation of reaching movements: A case study with a stroke patient. , 2016, 2016, 6381-6384.		4
71	Robotic Assistance of Human Motion Using Active-Backdrivability on a Geared Electromagnetic Motor. International Journal of Advanced Robotic Systems, 2016, 13, 40.	2.1	12
72	Advances in selective activation of muscles for non-invasive motor neuroprostheses. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 56.	4.6	35

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73	The H2 robotic exoskeleton for gait rehabilitation after stroke: early findings from a clinical study. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 54.	4.6	271
74	Using a brain-machine interface to control a hybrid upper limb exoskeleton during rehabilitation of patients with neurological conditions. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 92.	4.6	39
75	A predictive model of muscle excitations based on muscle modularity for a large repertoire of human locomotion conditions. Frontiers in Computational Neuroscience, 2015, 9, 114.	2.1	45
76	Hybrid therapy of walking with Kinesis overground robot for persons with incomplete spinal cord injury: A feasibility study. Robotics and Autonomous Systems, 2015, 73, 44-58.	5.1	32
77	An adaptive control strategy for postural stability using a wearable robot. Robotics and Autonomous Systems, 2015, 73, 16-23.	5.1	53
78	One central oscillatory drive is compatible with experimental motor unit behaviour in essential and Parkinsonian tremor. Journal of Neural Engineering, 2015, 12, 046019.	3.5	15
79	The Phase Difference Between Neural Drives to Antagonist Muscles in Essential Tremor Is Associated with the Relative Strength of Supraspinal and Afferent Input. Journal of Neuroscience, 2015, 35, 8925-8937.	3.6	56
80	Implementation of feature extraction methods and support vector machine for classification of partial body weight supports in overground robot-aided walking. , 2015, , .		2
81	Benchmarking Bipedal Locomotion: A Unified Scheme for Humanoids, Wearable Robots, and Humans. IEEE Robotics and Automation Magazine, 2015, 22, 103-115.	2.0	53
82	Benchmarking lower limb wearable robots. , 2015, , .		16
83	Influence of common synaptic input to motor neurons on the neural drive to muscle in essential tremor. Journal of Neurophysiology, 2015, 113, 182-191.	1.8	58
84	Muscle Synergies in Cycling after Incomplete Spinal Cord Injury: Correlation with Clinical Measures of Motor Function and Spasticity. Frontiers in Human Neuroscience, 2015, 9, 706.	2.0	29
85	Joint Stiffness Tuning of Exoskeleton Robot H2 by Tacit Learning. Lecture Notes in Computer Science, 2015, , 138-144.	1.3	5
86	Automatic real-time monitoring and assessment of tremor parameters in the upper limb from orientation data. Frontiers in Neuroscience, 2014, 8, 221.	2.8	14
87	Shared muscle synergies in human walking and cycling. Journal of Neurophysiology, 2014, 112, 1984-1998.	1.8	119
88	Detection of the Onset of Voluntary Movements Based on the Combination of ERD and BP Cortical Patterns. Biosystems and Biorobotics, 2014, , 437-446.	0.3	4
89	A Closed-Loop Brainâ€“Computer Interface Triggering an Active Ankleâ€“Foot Orthosis for Inducing Cortical Neural Plasticity. IEEE Transactions on Biomedical Engineering, 2014, 61, 2092-2101.	4.2	137
90	Tibialis Anterior muscle coherence during controlled voluntary activation in patients with spinal cord injury: diagnostic potential for muscle strength, gait and spasticity. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 23.	4.6	19

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91	Hybrid gait training with an overground robot for people with incomplete spinal cord injury: a pilot study. Frontiers in Human Neuroscience, 2014, 8, 298.	2.0	36
92	Research highlights in neurorehabilitation. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 21.	4.6	3
93	Hybrid FES-robot cooperative control of ambulatory gait rehabilitation exoskeleton. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 27.	4.6	136
94	Effects of robotic guidance on the coordination of locomotion. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 79.	4.6	66
95	A neuroprosthesis for tremor management through the control of muscle co-contraction. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 36.	4.6	69
96	Comparative biomechanical analysis of gait in patients with central cord and Brown-SÃ©quard syndrome. Disability and Rehabilitation, 2013, 35, 1869-1876.	1.8	7
97	An embedded system for an EEG based BCI. , 2013, , .		2
98	Similarity of muscle synergies in human walking and cycling: Preliminary results. , 2013, 2013, 6933-6.		15
99	A dynamically consistent model of a motorized ankle-foot orthosis. , 2013, , .		3
100	Knee Muscle Fatigue Estimation during Isometric Artificially Elicited Contractions in Incomplete Spinal Cord Injured Subjects. Biosystems and Biorobotics, 2013, , 327-332.	0.3	2
101	A novel motion tracking system for evaluation of functional rehabilitation of the upper limbs. Neural Regeneration Research, 2013, 8, 1773-82.	3.0	18
102	Tremor Suppression Using Electromyography and Surface Sensory Electrical Stimulation. Biosystems and Biorobotics, 2013, , 539-543.	0.3	0
103	A Biomechanical Model for the Validation of Modular Control in Balance. Biosystems and Biorobotics, 2013, , 815-819.	0.3	1
104	Online Assessment of Human-Robot Interaction for Hybrid Control of Walking. Sensors, 2012, 12, 215-225.	3.8	32
105	Review of hybrid exoskeletons to restore gait following spinal cord injury. Journal of Rehabilitation Research and Development, 2012, 49, 497.	1.6	137
106	Guest Editorial: Special Issue on Multimodal Human - Robot Interfaces. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1140-1141.	2.9	0
107	Motor modules in robot-aided walking. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 76.	4.6	39
108	A Robust Kalman Algorithm to Facilitate Human-Computer Interaction for People with Cerebral Palsy, Using a New Interface Based on Inertial Sensors. Sensors, 2012, 12, 3049-3067.	3.8	27

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109	Advanced Hybrid Technology for Neurorehabilitation: The HYPER Project. Intelligent Systems Reference Library, 2012, , 89-108.	1.2	9
110	A Review of fMRI as a Tool for Enhancing Eeg-Based Brain-Machine Interfaces. Applied Bionics and Biomechanics, 2012, 9, 125-133.	1.1	3
111	Human-Robot Interfaces in Exoskeletons for Gait Training after Stroke: State of the Art and Challenges. Applied Bionics and Biomechanics, 2012, 9, 193-203.	1.1	21
112	Flexible and large area pressure sensors for human-neuroprostheses and human-neurorobotic interface assessment. Microsystem Technologies, 2012, 18, 1155-1161.	2.0	2
113	Biomechanical loading as an alternative treatment for tremor: a review of two approaches. Tremor and Other Hyperkinetic Movements, 2012, 2, .	2.0	8
114	Introduction: Exoskeletons in Rehabilitation Robotics. Springer Tracts in Advanced Robotics, 2011, , 1-20.	0.4	2
115	Empowering and Assisting Natural Human Mobility: The Simbiosis Walker. International Journal of Advanced Robotic Systems, 2011, 8, 29.	2.1	42
116	Neurorobotic and hybrid management of lower limb motor disorders: a review. Medical and Biological Engineering and Computing, 2011, 49, 1119-1130.	2.8	41
117	Rehabilitation of gait after stroke: a review towards a top-down approach. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 66.	4.6	396
118	Exoskeletons in Rehabilitation Robotics. Springer Tracts in Advanced Robotics, 2011, , .	0.4	40
119	Upper Limb Exoskeleton for Tremor Suppression: Physical HR Interaction. Springer Tracts in Advanced Robotics, 2011, , 67-98.	0.4	0
120	Virtual Reality and Hybrid Technology for Neurorehabilitations. Lecture Notes in Computer Science, 2011, , 582-591.	1.3	0
121	Upper Limb Exoskeleton for Tremor Suppression: Validation. Springer Tracts in Advanced Robotics, 2011, , 99-111.	0.4	2
122	Wearable inertial mouse for children with physical and cognitive impairments. Sensors and Actuators A: Physical, 2010, 162, 248-259.	4.1	57
123	Rehabilitation Exoskeletal Robotics. IEEE Engineering in Medicine and Biology Magazine, 2010, 29, 57-63.	0.8	174
124	Real-Time Estimation of Pathological Tremor Parameters from Gyroscope Data. Sensors, 2010, 10, 2129-2149.	3.8	90
125	Extraction of user's navigation commands from upper body force interaction in walker assisted gait. BioMedical Engineering OnLine, 2010, 9, 37.	2.7	30
126	Analysis of the Human Interaction with a Wearable Lower-Limb Exoskeleton. Applied Bionics and Biomechanics, 2009, 6, 245-256.	1.1	16

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127	Analysis of the human interaction with a wearable lower-limb exoskeleton. Applied Bionics and Biomechanics, 2009, 6, 245-256.	1.1	20
128	Biologically based design of an actuator system for a kneeâ€“ankleâ€“foot orthosis. Mechanism and Machine Theory, 2009, 44, 860-872.	4.5	66
129	Empowering the autonomy of children with cognitive and physical impairments by inertial head tracking. Procedia Chemistry, 2009, 1, 726-729.	0.7	2
130	On the use of inertial measurement units for real-time quantification of pathological tremor amplitude and frequency. Procedia Chemistry, 2009, 1, 1219-1222.	0.7	8
131	The Rehabot-Knee Project Approach for Recovery of Neuromuscular Control of the Knee With Controllable Braces. International Journal of Rehabilitation Research, 2009, 32, S112.	1.3	2
132	Immediate effects of a controllable knee ankle foot orthosis for functional compensation of gait in patients with proximal leg weakness. Medical and Biological Engineering and Computing, 2008, 46, 43-53.	2.8	40
133	Coupled control of human-exoskeleton systems: An adaptative process. , 2008, , .		6
134	Study of the motion artefacts of skin-mounted inertial sensors under different attachment conditions. Physiological Measurement, 2008, 29, N21-N31.	2.1	64
135	Evaluation of a wearable orthosis and an associated algorithm for tremor suppression. Physiological Measurement, 2007, 28, 415-425.	2.1	37
136	Effect of bonding layer on the electromechanical response of the cymbal metal-ceramic piezocomposite. Journal of the European Ceramic Society, 2007, 27, 1143-1149.	5.7	22
137	Biomedical instrumentation based on piezoelectric ceramics. Journal of the European Ceramic Society, 2007, 27, 4191-4194.	5.7	3
138	Self-tuned driving of piezoelectric actuators. Journal of the European Ceramic Society, 2007, 27, 4163-4167.	5.7	14
139	Mechanical suppression of essential tremor. Cerebellum, 2007, 6, 73-78.	2.5	57
140	Advantages and limitations of cymbals for sensor and actuator applications. Sensors and Actuators A: Physical, 2006, 132, 63-69.	4.1	25
141	Design and implementation of an inertial measurement unit for control of artificial limbs: Application on leg orthoses. Sensors and Actuators B: Chemical, 2006, 118, 333-337.	7.8	70
142	Empirical mode decomposition: a novel technique for the study of tremor time series. Medical and Biological Engineering and Computing, 2006, 44, 569-582.	2.8	85
143	Virtual reality training and EMG control of the MANUS hand prosthesis. Robotica, 2005, 23, 311-317.	1.9	46
144	A robotic vehicle for disabled children. IEEE Engineering in Medicine and Biology Magazine, 2005, 24, 55-63.	0.8	30

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145	Mechanical stress and electric potential in cymbal piezoceramics by FEA. Journal of the European Ceramic Society, 2005, 25, 2457-2461.	5.7	16
146	Tunability of Cymbals as Piezocomposite Transducers. Journal of Electroceramics, 2005, 14, 221-229.	2.0	22
147	Objectives and technological approach to the development of the multifunctional MANUS upper limb prosthesis. Robotica, 2005, 23, 301-310.	1.9	31
148	The MANUS-HAND Dextrous Robotics Upper Limb Prosthesis: Mechanical and Manipulation Aspects. Autonomous Robots, 2004, 16, 143-163.	4.8	234
149	Modelling of piezoelectric transducers applied to piezoelectric motors: a comparative study and new perspective. Sensors and Actuators A: Physical, 2004, 110, 336-343.	4.1	14
150	Hysteresis compensation in a magnetostrictive linear position sensor. Sensors and Actuators A: Physical, 2004, 110, 247-253.	4.1	29
151	Practical consideration of shear strain correction factor and Rayleigh damping in models of piezoelectric transducers. Sensors and Actuators A: Physical, 2004, 115, 202-208.	4.1	12
152	Parametrical optimisation of ultrasonic motors. Sensors and Actuators A: Physical, 2003, 107, 169-182.	4.1	13
153	Estimating the 3D-position from time delay data of US-waves: experimental analysis and a new processing algorithm. Sensors and Actuators A: Physical, 2002, 101, 311-321.	4.1	30
154	A new adaptive filter and quality evaluation index for image restoration. Pattern Recognition, 2001, 34, 457-467.	8.1	4
155	Multifingered dextrous robotics hand design and control: a review. Robotica, 1999, 17, 661-674.	1.9	94
156	Kinematics and Dynamics of Wearable Robots. , 0, , 47-85.		12
157	Wearable Upper Limb Robots. , 0, , 235-281.		0
158	Humanâ€“Robot Cognitive Interaction. , 0, , 87-125.		17
159	Communication Networks for Wearable Robots. , 0, , 201-234.		1
160	Wearable Lower Limb and Full-Body Robots. , 0, , 283-321.		1
161	Noninvasive Modalities Used in Spinal Cord Injury Rehabilitation. , 0, , .		5