Cheng Yee Low

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3006695/publications.pdf

Version: 2024-02-01

65	426	759233	888059
papers	citations	12 h-index	17 g-index

66	66	66	391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidating factors influencing machine learning algorithm prediction in spasticity assessment: a prospective observational study. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 971-984.	1.6	0
2	Gamification and Control of Nitinol Based Ankle Rehabilitation Robot. Biomimetics, 2021, 6, 53.	3.3	8
3	Experimental Analysis of Ankle Foot Orthosis Using Pneumatic Artificial Muscle. IFMBE Proceedings, 2021, , 118-125.	0.3	0
4	Systematic Development of Machine for Abnormal Muscle Activity Detection. , 2021, , .		2
5	A Hybrid Haptic Feedback Stimulation Device to Recover the Missing Sensation of the Upper Limb Amputees. IOP Conference Series: Materials Science and Engineering, 2020, 834, 012013.	0.6	3
6	Design an Interfacing Tracking System in Rehabilitation Therapies Between The Elbow Joint of The Human Arm and The Prosthetic Arm. International Journal of Integrated Engineering, 2020, 12, .	0.4	0
7	Data Science Platform for Smart Diagnosis of Upper Limb Spasticity. Procedia Manufacturing, 2020, 52, 250-257.	1.9	1
8	Dataset on microstructural characteristics and mechanical performance of homogeneous and functionally graded fibrous scaffolds. Data in Brief, 2019, 27, 104718.	1.0	0
9	Fracture behavior of multilayer fibrous scaffolds featuring microstructural gradients. Materials and Design, 2019, 184, 108184.	7.0	9
10	A Review of Non-Invasive Haptic Feedback stimulation Techniques for Upper Extremity Prostheses. International Journal of Integrated Engineering, 2019, 11, .	0.4	19
11	Mobile Robot Path Planning using Q-Learning with Guided Distance. International Journal of Engineering and Technology(UAE), 2018, 7, 57.	0.3	1
12	Comparison of EEG Data Classification between Conventional Visual Cue-Marker and EMG-Based Marker on Brain Activity. Procedia Manufacturing, 2018, 24, 66-73.	1.9	3
13	Systematic Development of Smart Factory using CONSENS. Procedia Manufacturing, 2018, 24, 278-283.	1.9	2
14	Conception of Logistics Management System for Smart Factory. International Journal of Engineering and Technology(UAE), 2018, 7, 126.	0.3	5
15	Framework for the agile development of innovative Product-Service-Systems for existing physical rehabilitation systems. Procedia Manufacturing, 2018, 24, 147-152.	1.9	8
16	LabVIEW GUI for Emotiv EPOC of Prosthetic Hand Control. International Journal of Electrical and Electronic Engineering and Telecommunications, 2018, , 190-194.	3.6	1
17	User-Friendly LabVIEW GUI for Prosthetic Hand Control Using Emotiv EEG Headset. Procedia Computer Science, 2017, 105, 276-281.	2.0	20
18	System Integration of an Upper Limb Disorder Part-Task Trainer with PC-based Control. Procedia Computer Science, 2017, 105, 328-332.	2.0	2

#	Article	IF	Citations
19	Design and development of platform ankle rehabilitation robot with Shape Memory Alloy based actuator. , 2017, 2017, 946-949.		4
20	System-level design of a cloud-based training device for upper limb spasticity rehabilitation. , 2017, , .		2
21	Developing interactive and simple electromyogram PONG game for foot dorsiflexion and plantarflexion rehabilitation exercise. , 2017, 2017, 275-278.		5
22	Specification of principle solution for a smart factory exemplified by active structure. , 2017, , .		2
23	Supporting clinical evaluation of upper limb spasticity with quantitative data measurement in accordance to the Modified Ashworth Scale. , 2016, , .		5
24	Classification of Electroencephalogram Data from Hand Grasp and Release Movements for BCI Controlled Prosthesis. Procedia Technology, 2016, 26, 374-381.	1.1	39
25	Shape Memory Alloys as Linear Drives in Robot Hand Actuation. Procedia Computer Science, 2015, 76, 168-173.	2.0	13
26	Finite Element Analysis of Stress-Strain Response at the Tool Pin During Friction Stir Process. Procedia Computer Science, 2015, 76, 522-527.	2.0	4
27	Structure-property Relationship of Bio-Inspired Fibrous Materials. Procedia Computer Science, 2015, 76, 411-416.	2.0	10
28	MODEL-BASED SYSTEMS ENGINEERING OF A HAND REHABILITATION DEVICE. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlo	0.4	5
29	SIMULATION ANALYSIS OF PEAK TEMPERATURE IN WELD ZONES DURING FRICTION STIR PROCESS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
30	SYSTEM INTEGRATION OF A FRICTION STIR WELDING MACHINE WITH A CUSTOMIZED TRAVERSE CONTROLLED TABLE. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
31	TOWARDS THE DEVELOPMENT OF A ELECTRO-ENCEPHALOGRAPHY BASED NEUROPROSTHETIC TERMINAL DEVICE. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	3
32	VALUE-DRIVEN DESIGN OF A HIGH FIDELITY PART-TASK TRAINER FOR UPPER LIMB DISORDERS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
33	A Review of Force Control Techniques in Friction Stir Process. Procedia Computer Science, 2015, 76, 528-533.	2.0	17
34	Spasticity mathematical modelling in compliance with modified ashworth scale and modified tardieu scales. , 2015, , .		7
35	Architecting centralized coordination of soccer robots based on principle solution. Advanced Robotics, 2015, 29, 989-1004.	1.8	5
36	MEASUREMENT OF QUANTUM TUNNELING COMPOSITE RESISTIVITY CHARACTERISTICS FOR TACTILE SENSING APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0

#	Article	IF	Citations
37	TOWARDS A CLINICALLY COMPLIANT UPPER LIMB PART-TASK TRAINER IN SIMULATED LEARNING PROGRAM. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	2
38	Adaptive Controller Algorithm for 2-DOF Humanoid Robot Arm. Procedia Technology, 2014, 15, 765-774.	1.1	12
39	Evaluation of Upper Limb Spasticity towards the Development of a High Fidelity Part-task Trainer. Procedia Technology, 2014, 15, 817-826.	1.1	6
40	System Integration and Control of Finger Orthosis for Post Stroke Rehabilitation. Procedia Technology, 2014, 15, 755-764.	1.1	15
41	Scavenging Energy from Human Activities Using Piezoelectric Material. Procedia Technology, 2014, 15, 827-831.	1.1	8
42	Terrain Classification for Track-driven Agricultural Robots. Procedia Technology, 2014, 15, 775-782.	1.1	12
43	Hand rehabilitation device system (HRDS) for therapeutic applications. , 2014, , .		3
44	Emulating Upper Limb Disorder for Therapy Education. International Journal of Advanced Robotic Systems, 2014, 11, 183.	2.1	4
45	Strategy planning for collaborative humanoid soccer robots based on principle solution. Production Engineering, 2013, 7, 23-34.	2.3	3
46	Development of foolproof catheter guide system based on mechatronic design. Production Engineering, 2013, 7, 81-90.	2.3	25
47	Towards Biomimetic Actuation in Prostheses Using Shape Memory Alloy. Applied Mechanics and Materials, 2013, 315, 960-964.	0.2	0
48	Stair Climbing of a Track-Driven Mobile Robot with Flipper Arm. Applied Mechanics and Materials, 2013, 393, 586-591.	0.2	0
49	Strategy Model for Multi-Robot Coordination in Robotic Soccer. Applied Mechanics and Materials, 2013, 393, 592-597.	0.2	2
50	Emulation of Spasticity Symptoms in Upper Limb Part-Task Trainer for Physiotherapist Education. Applied Mechanics and Materials, 2013, 393, 999-1004.	0.2	4
51	Emulation of muscle tone of upper limb spasticity and rigidity. , 2013, , .		4
52	Hybrid-Actuated Finger Prosthesis with Tactile Sensing. International Journal of Advanced Robotic Systems, 2013, 10, 351.	2.1	15
53	Biotensegrity Inspired Robotâ€“Future Construction Alternative. Procedia Engineering, 2012, 41, 1079-1084.	1.2	4
54	Design of Upper Limb Patient Simulator. Procedia Engineering, 2012, 41, 1374-1378.	1.2	16

#	Article	IF	Citations
55	Wireless e-Nose Sensor Node: State of the Art. Procedia Engineering, 2012, 41, 1405-1411.	1.2	15
56	Principle Solution for Designing Collaborative Humanoid Soccer Robots. Procedia Engineering, 2012, 41, 1507-1515.	1.2	1
57	Steering Behavior of a Track-Driven Paintball Robot. Procedia Engineering, 2012, 41, 1516-1523.	1.2	3
58	Design and Development of a Multifingered Prosthetic Hand. International Journal of Social Robotics, 2012, 4, 59-66.	4.6	21
59	Numerical and experimental investigations of splat geometric characteristics during oblique impact of plasma spraying. Applied Surface Science, 2011, 257, 10363-10372.	6.1	26
60	Mechatronic Design for a Fail-Safe Catheter Guide System. , 2010, , .		1
61	Specifying the Principle Solution in Mechatronic Development Enterprises. , 2008, , .		10
62	Synergistic Impacts of Domain-Spanning Conceptual Design on Control of Self-Optimizing Systems. , 2007, , .		1
63	Identification of Reusable Controller Strategies for the System Design of Advanced Mechatronic Systems. Applied Mechanics and Materials, 0, 393, 579-585.	0.2	0
64	Patient-Driven Hand Exoskeleton Based Robotic with Active Control System for Early Post Stroke Rehabilitation. Applied Mechanics and Materials, 0, 799-800, 1063-1068.	0.2	0
65	SMA Actuated Finger Exoskeleton Device for Rehabilitation of Acute Paresis Patient. Applied Mechanics and Materials, 0, 773-774, 883-887.	0.2	3