John-John Cabibihan

List of Publications by Year
in descending order

113	2,314	279798	254184
papers	citations	23 h-index	43 g-index

116	116	116	2148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-Time Social Robotâ€™s Responses to Undesired Interactions Between Children and their Surroundings. International Journal of Social Robotics, 2023, 15, 621-629.	4.6	7
2	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. Materials Letters, 2022, 309, 131353.	2.6	10
3	Breath Analysis for the In Vivo Detection of Diabetic Ketoacidosis. ACS Omega, 2022, 7, 4257-4266.	3.5	13
4	Guidelines for Robot-to-Human Handshake From the Movement Nuances in Human-to-Human Handshake. Frontiers in Robotics and AI, 2022, 9, 758519.	3.2	4
5	Dataset for influence of visual and haptic feedback on the detection of threshold forces in a surgical grasping task. Data in Brief, 2022, 42, 108045.	1.0	0
6	A review on high performance photovoltaic cells and strategies for improving their efficiency. Frontiers in Energy, 2022, 16, 548-580.	2.3	3
7	Sense and Learn: Recent Advances in Wearable Sensing and Machine Learning for Blood Glucose Monitoring and Trend-Detection. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	4.1	19
8	Extended Reality â€œX-Realityâ€•for Prosthesis Training of Upper-Limb Amputees: A Review on Current and Future Clinical Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1652-1663.	4.9	10
9	Influence of Visual and Haptic Feedback on the Detection of Threshold Forces in a Surgical Grasping Task. IEEE Robotics and Automation Letters, 2021, 6, 5525-5532.	5.1	8
10	Nonenzymatic Electrochemical Sensor Based on CuO-MgO Composite for Dopamine Detection. IEEE Sensors Journal, 2021, 21, 25597-25605.	4.7	16
11	A Comparative Study between Polymer and Metal Additive Manufacturing Approaches in Investigating Stiffened Hexagonal Cells. Materials, 2021, 14, 883.	2.9	8
12	Datasets for recognition of aggressive interactions of children toward robotic toys. Data in Brief, 2021, 34, 106697.	1.0	1
13	Effect of Fibre Orientation on the Quasi-Static Axial Crushing Behaviour of Glass Fibre Reinforced Polyvinyl Chloride Composite Tubes. Materials, 2021, 14, 2235.	2.9	9
14	Rupture of an Industrial GFRP Composite Mitered Elbow Pipe. Polymers, 2021, 13, 1478.	4.5	1
15	Comparison Study of Metal Oxides (CeO2, CuO, SnO2, CdO, ZnO and TiO2) Decked Few Layered Graphene Nanocomposites for Dye-Sensitized Solar Cells. Sustainability, 2021, 13, 7685.	3.2	15
16	Detection of Challenging Behaviours of Children with Autism Using Wearable Sensors during Interactions with Social Robots. , 2021, , .		14
17	Prediction of Neural Space Narrowing and Soft Tissue Injury of the Cervical Spine Concerning Head Restraint Arrangements in Traffic Collisions. Applied Sciences (Switzerland), 2021, 11, 145.	2.5	0
18	3D Printing Polymeric Materials for Robots with Embedded Systems. Technologies, 2021, 9, 82.	5.1	19

#	Article	IF	Citations
19	Superior Non-Invasive Glucose Sensor Using Bimetallic CuNi Nanospecies Coated Mesoporous Carbon. Biosensors, 2021, 11, 463.	4.7	8
20	A VR-Based Serious Game Associated to EMG Signal Processing and Sensory Feedback for Upper Limb Prosthesis Training. Lecture Notes in Computer Science, 2021, , 433-440.	1.3	1
21	Recent advances in mechanical properties of biopolymer composites: a review. Polymer Composites, 2020, 41, 32-59.	4.6	146
22	Progress of Advanced Nanomaterials in the Non-Enzymatic Electrochemical Sensing of Glucose and H2O2. Biosensors, 2020, 10, 151.	4.7	72
23	Special Issue on Robot and Human Interactive CommunicationÂ2020. Advanced Robotics, 2020, 34, 1279-1279.	1.8	0
24	Influence of Reaction Time in the Emotional Response of a Companion Robot to a Childâ€™s Aggressive Interaction. International Journal of Social Robotics, 2020, 12, 1279-1291.	4.6	12
25	Suitability of the Openly Accessible 3D Printed Prosthetic Hands for War-Wounded Children. Frontiers in Robotics and AI, 2020, 7, 594196.	3.2	13
26	Special Issue on Robot and Human Interactive Communication 2020 (Part II). Advanced Robotics, 2020, 34, 1545-1545.	1.8	1
27	Image Processing of 3D Scans for Upper Limb Prosthesis of the War-Wounded. , 2020, , .		0
28	Design and Analysis of Flexible Joints for a Robust 3D Printed Prosthetic Hand. , 2019, 2019, 784-789.		19
29	Data for benchmarking low-cost, 3D printed prosthetic hands. Data in Brief, 2019, 25, 104163.	1.0	6
30	A low-cost test rig for impact experiments on a dummy head. HardwareX, 2019, 6, e00068.	2.2	3
31	Influence of the shape and mass of a small robot when thrown to a dummy human head. SN Applied Sciences, 2019, 1, 1.	2.9	7
32	A Bio-Inspired Slip Detection and Reflex-Like Suppression Method for Robotic Manipulators. IEEE Sensors Journal, 2019, 19, 12443-12453.	4.7	16
33	Synthesis, optimization and applications of ZnO/polymer nanocomposites. Materials Science and Engineering C, 2019, 98, 1210-1240.	7.3	191
34	Data on the impact of objects with different shapes, masses, and impact velocities on a dummy head. Data in Brief, 2019, 22, 344-348.	1.0	4
35	Data on the impact of an object with different thicknesses of different soft materials at different impact velocities on a dummy head. Data in Brief, 2019, 24, 103885.	1.0	4
36	Safety experiments for small robots investigating the potential of soft materials in mitigating the harm to the head due to impacts. SN Applied Sciences, 2019, 1, 1.	2.9	11

#	Article	IF	Citations
37	Recognition of Aggressive Interactions of Children Toward Robotic Toys. , 2019, , .		11
38	Robotic Trains as an Educational and Therapeutic Tool for Autism Spectrum Disorder Intervention. Advances in Intelligent Systems and Computing, 2019, , 249-262.	0.6	11
39	A review on porous polymer composite materials for multifunctional electronic applications. Polymer-Plastics Technology and Materials, 2019, 58, 1253-1294.	1.3	19
40	Head Impact Severity Measures for Small Social Robots Thrown During Meltdown in Autism. International Journal of Social Robotics, 2019, 11, 255-270.	4.6	17
41	EduRobot Taxonomy. , 2019, , 333-338.		13
42	Robostress, a New Approach to Understanding Robot Usage, Technology, and Stress. Lecture Notes in Computer Science, 2019, , 515-524.	1.3	2
43	A Method for 3-D Printing Patient-Specific Prosthetic Arms With High Accuracy Shape and Size. IEEE Access, 2018, 6, 25029-25039.	4.2	23
44	Sociorobotics. International Journal of Social Robotics, 2018, 10, 177-178.	4.6	0
45	Synthesis, green emission and photosensitivity of Al-doped ZnO film. Microsystem Technologies, 2018, 24, 3069-3073.	2.0	16
46	Graphene-filled PDMS Composite for Tactile Sensing of Surgical Graspers. , 2018, , .		0
47	Slip suppression in prosthetic hands using a reflective optical sensor and MPI controller. , 2018, , .		4
48	Social Robots and Wearable Sensors for Mitigating Meltdowns in Autism - A Pilot Test. Lecture Notes in Computer Science, 2018, , 103-114.	1.3	14
49	Controlling the sensing performance of rGO filled PVDF nanocomposite with the addition of secondary nanofillers. Synthetic Metals, 2018, 243, 34-43.	3.9	27
50	Experimental characterization of a tactile sensor for surgical applications. , 2018, , .		1
51	Attitudes of Heads of Education and Directors of Research Towards the Need for Social Robotics Education in Universities. Lecture Notes in Computer Science, 2018, , 472-482.	1.3	2
52	Physiological Responses to Affective Tele-Touch during Induced Emotional Stimuli. IEEE Transactions on Affective Computing, 2017, 8, 108-118.	8.3	49
53	Nanostructure ZnFe2O4 with Bacillus subtilis for Detection of LPG at Low Temperature. Journal of Electronic Materials, 2017, 46, 2334-2339.	2.2	28
54	Biodegradable Nanocomposites for Energy Harvesting, Self-healing, and Shape Memory. Springer Series on Polymer and Composite Materials, 2017, , 377-397.	0.7	3

#	Article	IF	Citations
55	Microton irradiation induced tuning of dielectric properties of nano ZnOâ€“natural rubber disks. Polymer Bulletin, 2017, 74, 4989-4996.	3.3	7
56	Highly selective gas sensors from photo-activated ZnO/PANI thin films synthesized by mSILAR. Synthetic Metals, 2017, 232, 123-130.	3.9	49
57	A Fast Responsive Ultraviolet Sensor from mSILAR-Processed Sn-ZnO. Journal of Electronic Materials, 2017, 46, 6480-6487.	2.2	6
58	Anti-spoofing device for biometric fingerprint scanners. , 2017, , .		3
59	Design and verification of a flexible device for steering a tethered capsule endoscope in the stomach. , 2017, , .		5
60	Effect of synthesis conditions on ZnO thin film photosensitivity via mSILAR technique. , 2017, , .		0
61	Pareto-front analysis of a monotonie PI control law for slip suppression in a robotic manipulator. , 2017, , .		2
62	Sensing Technologies for Autism Spectrum Disorder Screening and Intervention. Sensors, 2017, 17, 46.	3.8	44
63	Toward 3D Printed Prosthetic Hands that Can Satisfy Psychosocial Needs: Grasping Force Comparisons Between a Prosthetic Hand and Human Hands. Lecture Notes in Computer Science, 2017, , 304-313.	1.3	9
64	Reflex System for Intelligent Robotics. , 2016, , .		2
65	Reduced graphene oxide filled poly(dimethyl siloxane) based transparent stretchable, and touch-responsive sensors. Applied Physics Letters, 2016, 108, .	3.3	33
66	Fault tolerant tactile sensor arrays for prosthesis. , 2016, , .		4
67	A Flexible Gastric Gas Sensor Based on Functionalized Optical Fiber. IEEE Sensors Journal, 2016, 16, 5243-5248.	4.7	7
68	Using robot animation to promote gestural skills in children with autism spectrum disorders. Journal of Computer Assisted Learning, 2016, 32, 632-646.	5.1	43
69	Towards enhanced control of upper prosthetic limbs: A force-myographic approach. , 2016, , .		7
70	A Hands-Free Interface for Controlling Virtual Electric-Powered Wheelchairs. International Journal of Advanced Robotic Systems, 2016, 13, 49.	2.1	4
71	Culture as a Driver for the Design of Social Robots for Autism Spectrum Disorder Interventions in the Middle East. Lecture Notes in Computer Science, 2016, , 591-599.	1.3	4
72	Microtron Irradiation Induced Tuning of Band Gap and Photoresponse of Al-ZnO Thin Films Synthesized by mSILAR. Journal of Electronic Materials, 2016, 45, 4847-4853.	2.2	25

#	Article	IF	Citations
73	NMR spectroscopy of polymer nanocomposites. , 2016, , 181-201.		2
74	Electronic Applications of Polydimethylsiloxane and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 199-228.	0.7	1
75	Recovery Behavior of Artificial Skin Materials After Object Contact. Lecture Notes in Computer Science, 2016, , 449-457.	1.3	4
76	Social Robots. , 2015, , .		15
77	Humans are Well Tuned to Detecting Agents Among Non-agents: Examining the Sensitivity of Human Perception to Behavioral Characteristics of Intentional Systems. International Journal of Social Robotics, 2015, 7, 767-781.	4.6	39
78	Thomas and friends: Implications for the design of social robots and their role as social story telling agents for children with autism. , 2015, , .		5
79	Design of a steering mechanism for a Tethered Capsule Endoscope. , 2015, , .		3
80	Illusory Sense of Human Touch From a Warm and Soft Artificial Hand. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 517-527.	4.9	36
81	Combining Robotic Persuasive Strategies: The Persuasive Power of a Storytelling Robot that Uses Gazing and Gestures. International Journal of Social Robotics, 2015, 7, 479-487.	4.6	93
82	Effects of the Artificial Skin's Thickness on the Subsurface Pressure Profiles of Flat, Curved, and Braille Surfaces. IEEE Sensors Journal, 2014, 14, 2118-2128.	4.7	20
83	When Robots Engage Humans. International Journal of Social Robotics, 2014, 6, 311-313.	4.6	11
84	Social Robotics through an Anticipatory Governance Lens. Lecture Notes in Computer Science, 2014, , 115-124.	1.3	6
85	Object shape discrimination using sensorized glove. , 2013, , .		1
86	Why Robots? A Survey on the Roles and Benefits of Social Robots in the Therapy of Children with Autism. International Journal of Social Robotics, 2013, 5, 593-618.	4.6	413
87	Sensing discomfort of standing passengers in public rail transportation systems using a smart phone. , 2013, , .		7
88	Bio-mimetic strategies for tactile sensing. , 2013, , .		22
89	Erratum to "Human-Recognizable Robotic Gestures" [Dec 12 305-314]. IEEE Transactions on Autonomous Mental Development, 2013, 5, 85-85.	1.6	0
90	Tactile sensing in an object passing task. , 2013, , .		2

#	Article	IF	Citations
91	Home-Based Rehabilitation Systems. , 2013, , .		0
92	Towards socially-interactive telepresence robots for the 2022 world cup. , 2013, , .		0
93	Influence of the skin thickness on tactile shape discrimination. , 2012, , .		2
94	Human-Recognizable Robotic Gestures. IEEE Transactions on Autonomous Mental Development, 2012, 4, 305-314.	1.6	44
95	Effect of artificial skin ridges on embedded tactile sensors. , 2012, , .		2
96	Cute and soft. , 2012, , .		17
97	Telerobotic Pointing Gestures Shape Human Spatial Cognition. International Journal of Social Robotics, 2012, 4, 263-272.	4.6	26
98	The Automaticity of Social Behavior towards Robots: The Influence of Cognitive Load on Interpersonal Distance to Approachable versus Less Approachable Robots. Lecture Notes in Computer Science, 2012, , 15-25.	1.3	14
99	Force and motion analyses of the human patting gesture for robotic social touching. , 2011, , .		5
100	Towards an Effective Design of Social Robots. International Journal of Social Robotics, 2011, 3, 333-335.	4.6	48
101	Prosthetic finger phalanges with lifelike skin compliance for low-force social touching interactions. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 16.	4.6	28
102	Artificial Skin Ridges Enhance Local Tactile Shape Discrimination. Sensors, 2011, 11, 8626-8642.	3.8	31
103	Making Robots Persuasive: The Influence of Combining Persuasive Strategies (Gazing and Gestures) by a Storytelling Robot on Its Persuasive Power. Lecture Notes in Computer Science, 2011, , 71-83.	1.3	61
104	Patient-Specific Prosthetic Fingers by Remote Collaborationâ€“A Case Study. PLoS ONE, 2011, 6, e19508.	2.5	26
105	Synthetic Skins with Humanlike Warmth. Lecture Notes in Computer Science, 2010, , 362-371.	1.3	13
106	Minimal Set of Recognizable Gestures for a 10 DOF Anthropomorphic Robot. Lecture Notes in Computer Science, 2010, , 63-70.	1.3	1
107	Sleeping patterns observation for bedsores and bed-side falls prevention. , 2009, 2009, 6087-90.		9
108	Pointing Gestures for a Robot Mediated Communication Interface. Lecture Notes in Computer Science, 2009, , 67-77.	1.3	19

#	Article	IF	Citations
109	Towards Humanlike Social Touch for Sociable Robotics andÂProsthetics: Comparisons onÂtheÂCompliance, Conformance and Hysteresis of Synthetic and Human Fingertip Skins. International Journal of Social Robotics, 2009, 1, 29-40.	4.6	53
110	Towards Humanlike Social Touch for Prosthetics and Sociable Robotics: Handshake Experiments and Finger Phalange Indentations. Lecture Notes in Computer Science, 2009, , 73-79.	1.3	15
111	Towards Humanlike Social Touch for Prosthetics and Sociable Robotics: Three-Dimensional Finite Element Simulations of Synthetic Finger Phalanges. Lecture Notes in Computer Science, 2009, , 80-86.	1.3	6
112	DESIGN AND DEVELOPMENT OF FIVE-FINGERED HANDS FOR A HUMANOID EMOTION EXPRESSION ROBOT. International Journal of Humanoid Robotics, 2007, 04, 181-206.	1.1	22
113	The Uncanny Valley and the Search for Human Skin-Like Materials for a Prosthetic Fingertip. , 2006, , .		19