John-John Cabibihan

List of Publications by Year
in descending order

113 papers	2,314 citations	279798 23 h-index	254184 43 g-index
116 all docs	116 docs citations	116 times ranked	2148 citing authors

#	Article	IF	Citations
1	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
2	Synthesis, optimization and applications of ZnO/polymer nanocomposites. Materials Science and Engineering C, 2019, 98, 1210-1240.	7.3	191
3	Recent advances in mechanical properties of biopolymer composites: a review. Polymer Composites, 2020, 41, 32-59.	4.6	146
4	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
5	Progress of Advanced Nanomaterials in the Non-Enzymatic Electrochemical Sensing of Glucose and H2O2. Biosensors, 2020, 10, 151.	4.7	72
6	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
7	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
8	Physiological Responses to Affective Tele-Touch during Induced Emotional Stimuli. IEEE Transactions on Affective Computing, 2017, 8, 108-118.	8.3	49
9	Highly selective gas sensors from photo-activated ZnO/PANI thin films synthesized by mSILAR. Synthetic Metals, 2017, 232, 123-130.	3.9	49
10	Towards an Effective Design of Social Robots. International Journal of Social Robotics, 2011, 3, 333-335.	4.6	48
11	Human-Recognizable Robotic Gestures. IEEE Transactions on Autonomous Mental Development, 2012, 4, 305-314.	1.6	44
12	Sensing Technologies for Autism Spectrum Disorder Screening and Intervention. Sensors, 2017, 17, 46.	3.8	44
13	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
14	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
15	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
16	Reduced graphene oxide filled poly(dimethyl siloxane) based transparent stretchable, and touch-responsive sensors. Applied Physics Letters, 2016, 108, .	3.3	33
17	Artificial Skin Ridges Enhance Local Tactile Shape Discrimination. Sensors, 2011, 11, 8626-8642.	3.8	31
18	Prosthetic finger phalanges with lifelike skin compliance for low-force social touching interactions. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 16.	4.6	28

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19	Nanostructure ZnFe2O4 with Bacillus subtilis for Detection of LPG at Low Temperature. Journal of Electronic Materials, 2017, 46, 2334-2339.	2.2	28
20	Controlling the sensing performance of rGO filled PVDF nanocomposite with the addition of secondary nanofillers. Synthetic Metals, 2018, 243, 34-43.	3.9	27
21	Telerobotic Pointing Gestures Shape Human Spatial Cognition. International Journal of Social Robotics, 2012, 4, 263-272.	4.6	26
22	Patient-Specific Prosthetic Fingers by Remote Collaboration—A Case Study. PLoS ONE, 2011, 6, e19508.	2.5	26
23	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
24	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
25	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
26	Bio-mimetic strategies for tactile sensing. , 2013, , .		22
27	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
28	The Uncanny Valley and the Search for Human Skin-Like Materials for a Prosthetic Fingertip. , 2006, , .		19
29	Pointing Gestures for a Robot Mediated Communication Interface. Lecture Notes in Computer Science, 2009, , 67-77.	1.3	19
30	Design and Analysis of Flexible Joints for a Robust 3D Printed Prosthetic Hand. , 2019, 2019, 784-789.		19
31	A review on porous polymer composite materials for multifunctional electronic applications. Polymer-Plastics Technology and Materials, 2019, 58, 1253-1294.	1.3	19
32	3D Printing Polymeric Materials for Robots with Embedded Systems. Technologies, 2021, 9, 82.	5.1	19
33	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
34	Cute and soft. , 2012, , .		17
35	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
36	Synthesis, green emission and photosensitivity of Al-doped ZnO film. Microsystem Technologies, 2018, 24, 3069-3073.	2.0	16

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37	A Bio-Inspired Slip Detection and Reflex-Like Suppression Method for Robotic Manipulators. IEEE Sensors Journal, 2019, 19, 12443-12453.	4.7	16
38	Nonenzymatic Electrochemical Sensor Based on CuO-MgO Composite for Dopamine Detection. IEEE Sensors Journal, 2021, 21, 25597-25605.	4.7	16
39	Social Robots. , 2015, , .		15
40	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
41	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
42	Social Robots and Wearable Sensors for Mitigating Meltdowns in Autism - A Pilot Test. Lecture Notes in Computer Science, 2018, , 103-114.	1.3	14
43	Detection of Challenging Behaviours of Children with Autism Using Wearable Sensors during Interactions with Social Robots. , 2021, , .		14
44	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
45	Suitability of the Openly Accessible 3D Printed Prosthetic Hands for War-Wounded Children. Frontiers in Robotics and AI, 2020, 7, 594196.	3.2	13
46	EduRobot Taxonomy. , 2019, , 333-338.		13
47	Synthetic Skins with Humanlike Warmth. Lecture Notes in Computer Science, 2010, , 362-371.	1.3	13
48	Breath Analysis for the In Vivo Detection of Diabetic Ketoacidosis. ACS Omega, 2022, 7, 4257-4266.	3.5	13
49	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
50	When Robots Engage Humans. International Journal of Social Robotics, 2014, 6, 311-313.	4.6	11
51	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
52	Recognition of Aggressive Interactions of Children Toward Robotic Toys. , 2019, , .		11
53	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
54	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. Materials Letters, 2022, 309, 131353.	2.6	10

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55	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
56	Sleeping patterns observation for bedsores and bed-side falls prevention. , 2009, 2009, 6087-90.		9
57	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
58	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
59	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
60	A Comparative Study between Polymer and Metal Additive Manufacturing Approaches in Investigating Stiffened Hexagonal Cells. Materials, 2021, 14, 883.	2.9	8
61	Superior Non-Invasive Glucose Sensor Using Bimetallic CuNi Nanospecies Coated Mesoporous Carbon. Biosensors, 2021, 11, 463.	4.7	8
62	Sensing discomfort of standing passengers in public rail transportation systems using a smart phone. , 2013, , .		7
63	A Flexible Gastric Gas Sensor Based on Functionalized Optical Fiber. IEEE Sensors Journal, 2016, 16, 5243-5248.	4.7	7
64	Towards enhanced control of upper prosthetic limbs: A force-myographic approach. , 2016, , .		7
65	Microton irradiation induced tuning of dielectric properties of nano ZnOâ€"natural rubber disks. Polymer Bulletin, 2017, 74, 4989-4996.	3.3	7
66	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
67	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
68	A Fast Responsive Ultraviolet Sensor from mSILAR-Processed Sn-ZnO. Journal of Electronic Materials, 2017, 46, 6480-6487.	2.2	6
69	Data for benchmarking low-cost, 3D printed prosthetic hands. Data in Brief, 2019, 25, 104163.	1.0	6
70	Social Robotics through an Anticipatory Governance Lens. Lecture Notes in Computer Science, 2014, , 115-124.	1.3	6
71	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
72	Force and motion analyses of the human patting gesture for robotic social touching. , 2011, , .		5

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73	Thomas and friends: Implications for the design of social robots and their role as social story telling agents for children with autism. , 2015, , .		5
74	Design and verification of a flexible device for steering a tethered capsule endoscope in the stomach. , 2017, , .		5
75	Fault tolerant tactile sensor arrays for prosthesis. , 2016, , .		4
76	A Hands-Free Interface for Controlling Virtual Electric-Powered Wheelchairs. International Journal of Advanced Robotic Systems, 2016, 13, 49.	2.1	4
77	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
78	Slip suppression in prosthetic hands using a reflective optical sensor and MPI controller. , 2018, , .		4
79	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
80	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
81	Recovery Behavior of Artificial Skin Materials After Object Contact. Lecture Notes in Computer Science, 2016, , 449-457.	1.3	4
82	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
83	Design of a steering mechanism for a Tethered Capsule Endoscope. , 2015, , .		3
84	Biodegradable Nanocomposites for Energy Harvesting, Self-healing, and Shape Memory. Springer Series on Polymer and Composite Materials, 2017, , 377-397.	0.7	3
85	Anti-spoofing device for biometric fingerprint scanners. , 2017, , .		3
86	A low-cost test rig for impact experiments on a dummy head. HardwareX, 2019, 6, e00068.	2.2	3
87	A review on high performance photovoltaic cells and strategies for improving their efficiency. Frontiers in Energy, 2022, 16, 548-580.	2.3	3
88	Influence of the skin thickness on tactile shape discrimination. , 2012, , .		2
89	Effect of artificial skin ridges on embedded tactile sensors. , 2012, , .		2
90	Tactile sensing in an object passing task. , 2013, , .		2

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91	Reflex System for Intelligent Robotics. , 2016, , .		2
92	NMR spectroscopy of polymer nanocomposites. , 2016, , 181-201.		2
93	Pareto-front analysis of a monotonie PI control law for slip suppression in a robotic manipulator. , 2017, , .		2
94	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
95	Robostress, a New Approach to Understanding Robot Usage, Technology, and Stress. Lecture Notes in Computer Science, 2019, , 515-524.	1.3	2
96	Object shape discrimination using sensorized glove. , 2013, , .		1
97	Experimental characterization of a tactile sensor for surgical applications. , 2018, , .		1
98	Datasets for recognition of aggressive interactions of children toward robotic toys. Data in Brief, 2021, 34, 106697.	1.0	1
99	Rupture of an Industrial GFRP Composite Mitered Elbow Pipe. Polymers, 2021, 13, 1478.	4.5	1
100	Minimal Set of Recognizable Gestures for a 10 DOF Anthropomorphic Robot. Lecture Notes in Computer Science, 2010, , 63-70.	1.3	1
101	Electronic Applications of Polydimethylsiloxane and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 199-228.	0.7	1
102	Special Issue on Robot and Human Interactive Communication 2020 (Part II). Advanced Robotics, 2020, 34, 1545-1545.	1.8	1
103	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
104	Erratum to "Human-Recognizable Robotic Gestures" [Dec 12 305-314]. IEEE Transactions on Autonomous Mental Development, 2013, 5, 85-85.	1.6	0
105	Effect of synthesis conditions on ZnO thin film photosensitivity via mSILAR technique. , 2017, , .		0
106	Sociorobotics. International Journal of Social Robotics, 2018, 10, 177-178.	4.6	0
107	Graphene-filled PDMS Composite for Tactile Sensing of Surgical Graspers. , 2018, , .		0
108	Special Issue on Robot and Human Interactive Communication 2020. Advanced Robotics, 2020, 34, 1279-1279.	1.8	0

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109	Home-Based Rehabilitation Systems. , 2013, , .		0
110	Towards socially-interactive telepresence robots for the 2022 world cup. , 2013, , .		0
111	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
112	Image Processing of 3D Scans for Upper Limb Prosthesis of the War-Wounded. , 2020, , .		0
113	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