Ali F Meghdari

List of Publications by Year
in descending order

194 papers	2,338 citations	304743 22 h-index	361022 35 g-index
199 all docs	199 docs citations	199 times ranked	1476 citing authors

#	Article	IF	Citations
1	Employing Humanoid Robots for Teaching English Language in Iranian Junior High-Schools. International Journal of Humanoid Robotics, 2014, 11, 1450022.	1.1	127
2	The Impact of Social Robotics on L2 Learnersâ€™ Anxiety and Attitude in English Vocabulary Acquisition. International Journal of Social Robotics, 2015, 7, 523-535.	4.6	110
3	Clinical Application of a Humanoid Robot in Pediatric Cancer Interventions. International Journal of Social Robotics, 2016, 8, 743-759.	4.6	77
4	Humanâ€"Robot Interaction in Autism Treatment: A Case Study on Three Pairs of Autistic Children as Twins, Siblings, and Classmates. International Journal of Social Robotics, 2018, 10, 93-113.	4.6	68
5	Humanâ€"Robot Facial Expression Reciprocal Interaction Platform: Case Studies on Children with Autism. International Journal of Social Robotics, 2018, 10, 179-198.	4.6	65
6	Design and Realization of a Sign Language Educational Humanoid Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 95, 3-17.	3.4	48
7	Arash: A social robot buddy to support children with cancer in a hospital environment. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 605-618.	1.8	47
8	Nonlinear dynamic analysis of atomic force microscopy under deterministic and random excitation. Chaos, Solitons and Fractals, 2008, 37, 748-762.	5.1	44
9	On the general Kalman filter for discrete time stochastic fractional systems. Mechatronics, 2013, 23, 764-771.	3.3	37
10	Model reference adaptive control in fractional order systems using discrete-time approximation methods. Communications in Nonlinear Science and Numerical Simulation, 2015, 25, 27-40.	3.3	36
11	On the fractional-order extended Kalman filter and its application to chaotic cryptography in noisy environment. Applied Mathematical Modelling, 2014, 38, 961-973.	4.2	35
12	Utilizing social virtual reality robot (V2R) for music education to children with high-functioning autism. Education and Information Technologies, 2022, 27, 819-843.	5.7	34
13	A close look at the motion of C60 on gold. Current Applied Physics, 2015, 15, 1402-1411.	2.4	33
14	Qualitative study of nanocluster positioning process: Planar molecular dynamics simulations. Current Applied Physics, 2009, 9, 997-1004.	2.4	30
15	Clinical Application of Humanoid Robots in Playing Imitation Games for Autistic Children in Iran. Procedia, Social and Behavioral Sciences, 2015, 176, 898-906.	0.5	30
16	Acquisition of high-precision images for non-contact atomic force microscopy. Mechatronics, 2006, 16, 655-664.	3.3	29
17	A dynamic object manipulation approach to dynamic biped locomotion. Robotics and Autonomous Systems, 2008, 56, 570-582.	5.1	29
18	Neural-network-based observer for real-time tipover estimation. Mechatronics, 2005, 15, 989-1004.	3.3	28

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19	The Effect of Applying Humanoid Robots as Teacher Assistants to Help Iranian Autistic Pupils Learn English as a Foreign Language. Lecture Notes in Computer Science, 2015, , 1-10.	1.3	28
20	Directing the diffusive motion of fullerene-based nanocars using nonplanar gold surfaces. Physical Chemistry Chemical Physics, 2018, 20, 332-344.	2.8	28
21	Social robots as assistants for autism therapy in Iran: Research in progress. , 2014, , .		26
22	Surface defects characterization with frequency and force modulation atomic force microscopy using molecular dynamics simulations. Current Applied Physics, 2010, 10, 583-591.	2.4	25
23	BIPED HOPPING CONTROL BAzSED ON SPRING LOADED INVERTED PENDULUM MODEL. International Journal of Humanoid Robotics, 2010, 07, 263-280.	1.1	25
24	Design and evaluation of a novel triaxial isometric trunk muscle strength measurement system. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 755-766.	1.8	23
25	Design and development of an effective low-cost robotic cameraman for laparoscopic surgery: RoboLens. Scientia Iranica, 2011, 18, 105-114.	0.4	23
26	A linear theory for bending stressâ€"strain analysis of a beam with an edge crack. Engineering Fracture Mechanics, 2008, 75, 4695-4705.	4.3	22
27	The effects of trochlear groove geometry on patellofemoral joint stability-a computer model study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2008, 222, 75-88.	1.8	22
28	Effects of higher oscillation modes on TM-AFM measurements. Ultramicroscopy, 2011, 111, 107-116.	1.9	22
29	Minimum control effort trajectory planning and tracking of the CEDRA brachiation robot. Robotica, 2013, 31, 1119-1129.	1.9	22
30	Controlling the Diffusive Motion of Fullerene-Wheeled Nanocars Utilizing a Hybrid Substrate. Journal of Physical Chemistry C, 2019, 123, 26018-26030.	3.1	22
31	State-of-the-Art Visual Merchandising Using a Fashionable Social Robot: RoMa. International Journal of Social Robotics, 2021, 13, 509-523.	4.6	22
32	A Novel Approach for Optimal Design of a Rover Mechanism. Journal of Intelligent and Robotic Systems: Theory and Applications, 2005, 44, 291-312.	3.4	20
33	Precise positioning and assembly of metallic nanoclusters as building blocks of nanostructures: A molecular dynamics study. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 182-195.	2.7	20
34	Multi-body simulation of a flapping-wing robot using an efficient dynamical model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 133-149.	1.6	20
35	Design Performance Characteristics of a Social Robot Companion â€œ<i>Arash</i>â€•for Pediatric Hospitals. International Journal of Humanoid Robotics, 2018, 15, 1850019.	1.1	20
36	Teaching Music to Children with Autism: A Social Robotics Challenge. Scientia Iranica, 2017, .	0.4	20

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37	Optimal Trajectory Planning for Parallel Robots Considering Time-Jerk. Applied Mechanics and Materials, 0, 390, 471-477.	0.2	19
38	A Close Look at the Imitation Performance of Children with Autism and Typically Developing Children Using a Robotic System. International Journal of Social Robotics, 2021, 13, 1125-1147.	4.6	19
39	Impacts of using a social robot to teach music to children with low-functioning autism. Paladyn, 2021, 12, 256-275.	2.7	19
40	On the control of chaos via fractional delayed feedback method. Computers and Mathematics With Applications, 2011, 62, 1482-1491.	2.7	18
41	Social Virtual Reality Robot (V2R): A Novel Concept for Education and Rehabilitation of Children with Autism. , 2017, , .		18
42	RASA: A Low-Cost Upper-Torso Social Robot Acting as a Sign Language Teaching Assistant. Lecture Notes in Computer Science, 2016, , 630-639.	1.3	17
43	Social Robots and Teaching Music to Autistic Children: Myth or Reality?. Lecture Notes in Computer Science, 2016, , 541-550.	1.3	17
44	How Chassis Structure and Substrate Crystalline Direction Affect the Mobility of Thermally Driven p-Carborane-Wheeled Nanocars. Journal of Physical Chemistry C, 2019, 123, 4805-4824.	3.1	17
45	Mechanism of 1,12-Dicarba-closo-dodecaborane Mobility on Gold Substrate as a Nanocar Wheel. Journal of Physical Chemistry C, 2016, 120, 14048-14058.	3.1	16
46	A general closed-form solution for the static pull-in voltages of electrostatically actuated MEMS/NEMS. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 90, 7-12.	2.7	16
47	Impact of Humanoid Social Robots on Treatment of a Pair of Iranian Autistic Twins. Lecture Notes in Computer Science, 2015, , 623-632.	1.3	16
48	Title is missing!. Multibody System Dynamics, 2001, 5, 1-20.	2.7	15
49	Conceptual design of a social robot for pediatric hospitals. , 2016, , .		15
50	Impact of a Social Humanoid Robot as a Therapy Assistant in Children Cancer Treatment. Lecture Notes in Computer Science, 2014, , 11-22.	1.3	15
51	Clinical Interventions of Social Humanoid Robots in the Treatment of a Set of High- and Low-Functioning Autistic Iranian Twins. Scientia Iranica, 2017, .	0.4	15
52	Dynamic Modeling and Analysis of the Human Jumping Process. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 37, 97-115.	3.4	14
53	TWO-DIMENSIONAL ATOMISTIC SIMULATION OF METALLIC NANOPARTICLES PUSHING. Modern Physics Letters B, 2009, 23, 2695-2702.	1.9	14
54	Investigation of the atomic-scale hysteresis in NC-AFM using atomistic dynamics. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2069-2077.	2.7	14

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55	Simulation of imaging in tapping-mode atomic-force microscopy: a comparison amongst a variety of approaches. Journal Physics D: Applied Physics, 2011, 44, 075303.	2.8	14
56	Manipulation of biomolecules: A molecular dynamics study. Current Applied Physics, 2014, 14, 1216-1227.	2.4	14
57	Haptic Device Application in Persian Calligraphy. , 2009, , .		13
58	Molecular dynamics simulation of manipulation of metallic nanoclusters on double-layer substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2364-2374.	2.7	13
59	Influence of the tip mass on the tip–sample interactions in TM-AFM. Ultramicroscopy, 2011, 111, 1423-1436.	1.9	13
60	Effect of utilizing a humanoid robot as a therapy-assistant in reducing anger, anxiety, and depression. , 2014, , .		13
61	Improved passivity criterion in haptic rendering: influence of Coulomb and viscous friction. Advanced Robotics, 2014, 28, 695-706.	1.8	13
62	Effect of surface energy on nano-resonator dynamic behavior. International Journal of Mechanical Sciences, 2016, 119, 51-58.	6.7	13
63	Influence of Vacancies and Grain Boundaries on the Diffusive Motion of Surface Rolling Molecules. Journal of Physical Chemistry C, 2020, 124, 16629-16643.	3.1	13
64	Young EFL Learners' Attitude Towards RALL: An Observational Study Focusing on Motivation, Anxiety, and Interaction. Lecture Notes in Computer Science, 2017, , 252-261.	1.3	13
65	Optimal stability of a redundant mobile manipulator via genetic algorithm. Robotica, 2006, 24, 739-743.	1.9	12
66	Optimization of kinematic redundancy and workspace analysis of a dual-arm cam-lock robot. Robotica, 2016, 34, 23-42.	1.9	12
67	The real-time facial imitation by a social humanoid robot. , 2016, , .		12
68	Social Robotics, Education, and Religion in the Islamic World: An Iranian Perspective. Science and Engineering Ethics, 2020, 26, 2709-2734.	2.9	12
69	One-shot Learning from Demonstration Approach Toward a Reciprocal Sign Language-based HRI. International Journal of Social Robotics, 2021, , 1-13.	4.6	12
70	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 28, 277-290.	3.4	11
71	Two Dimensional Dynamic Manipulation of a Disc Using Two Manipulators. , 2006, , .		11
72	Muscle-driven forward dynamics simulation for the study of differences in muscle function during stair ascent and descent. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 863-874.	1.8	11

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73	A bending theory for beams with vertical edge crack. International Journal of Mechanical Sciences, 2010, 52, 904-913.	6.7	11
74	Directional control of surface rolling molecules exploiting non-uniform heat-induced substrates. Physical Chemistry Chemical Physics, 2020, 22, 26887-26900.	2.8	11
75	Robust adaptive backstepping control of uncertain Lorenz system. Chaos, 2010, 20, 023105.	2.5	10
76	Hybrid finite-element method–molecular dynamics approach for modelling of non-contact atomic force microscopy imaging. Micro and Nano Letters, 2011, 6, 412.	1.3	10
77	Full Operational Range Dynamic Modeling of Microcantilever Beams. Journal of Microelectromechanical Systems, 2013, 22, 1190-1198.	2.5	10
78	The effect of employing humanoid robots for teaching English on students' anxiety and attitude. , 2014, , .		10
79	Recent Advances in Social & Cognitive Robotics and Imminent Ethical Challenges. , 0, , .		10
80	A new continuous model for flexural vibration analysis of a cracked beam. Polish Maritime Research, 2008, 15, .	1.9	9
81	On the linear-quadratic regulator problem in one-dimensional linear fractional stochastic systems. Automatica, 2014, 50, 282-286.	5.0	9
82	Effects of the van der Waals force, squeeze-film damping, and contact bounce on the dynamics of electrostatic microcantilevers before and after pull-in. Nonlinear Dynamics, 2014, 77, 87-98.	5.2	9
83	Adaptive online prediction of operator position in teleoperation with unknown time-varying delay: simulation and experiments. Neural Computing and Applications, 2021, 33, 7575-7592.	5.6	9
84	Design and Implementation of a Robotic Architecture for Adaptive Teaching: a Case Study on Iranian Sign Language. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	9
85	On the optimum design of fuzzy logic controller for trajectory tracking using evolutionary algorithms. , 0, , .		8
86	A Composite Rigid Body Algorithm for Modeling and Simulation of an Underwater Vehicle Equipped With Manipulator Arms. Journal of Offshore Mechanics and Arctic Engineering, 2006, 128, 119-132.	1.2	8
87	A recursive approach for the analysis of snake robots using Kane's equations. Robotica, 2006, 24, 251-256.	1.9	8
88	"Xylotism" A Tablet-Based Application to Teach Music to Children with Autism. Lecture Notes in Computer Science, 2017, , 728-738.	1.3	8
89	Combined flexural-joint stiffness matrix and the elastic deformation of a servo-controlled two-link robot manipulator. Robotica, 1986, 4, 237-242.	1.9	7
90	A Variational Approach for Modeling Flexibility Effects in Manipulator Arms. Robotica, 1991, 9, 213-217.	1.9	7

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91	Conceptual design and dynamics modeling of a cooperative dual-arm cam-lock manipulator. Robotica, 1996, 14, 301-309.	1.9	7
92	Dynamic modeling and analysis of a two d.o.f. mobile manipulator. Robotica, 2001, 19, 177-185.	1.9	7
93	Nonlinear Dynamic Analysis and Chaotic Behavior in Atomic Force Microscopy. , 2005, , 129.		7
94	A Continuous Model for Forced Vibration Analysis of a Cracked Beam. , 2005, , 1849.		7
95	Identification of 4D Lü hyper-chaotic system using identical systems synchronization and fractional adaptation law. Applied Mathematical Modelling, 2014, 38, 4652-4661.	4.2	7
96	Spontaneous Human-Robot Emotional Interaction Through Facial Expressions. Lecture Notes in Computer Science, 2016, , 351-361.	1.3	7
97	Virtual Reality Social Robot Platform: A Case Study on Arash Social Robot. Lecture Notes in Computer Science, 2018, , 551-560.	1.3	7
98	Spatial rational motions based on rational frenet-serret curves. , 0, , .		6
99	An effective approach for dynamic analysis of rovers. Robotica, 2005, 23, 771-780.	1.9	6
100	Employing Neural Networks for Manipulability Optimization of the Dual-Arm Cam-Lock Robot. , 2010, , .		6
101	Molecular dynamics simulation of manipulation of metallic nanoclusters on stepped surfaces. Open Physics, 2011, 9, .	1.7	6
102	Stochastic piecewise affine control with application to pitch control of helicopter. Nonlinear Analysis: Hybrid Systems, 2015, 15, 86-97.	3.5	6
103	Nanocar & nanotruck motion on gold surface. , 2016, , .		6
104	Dynamic Iranian Sign Language Recognition Using an Optimized Deep Neural Network: An Implementation via a Robotic-Based Architecture. International Journal of Social Robotics, 2023, 15, 599-619.	4.6	6
105	Design and fabrication of a novel quick-change system. Mechatronics, 2000, 10, 809-818.	3.3	5
106	A Novel Method of Gait Synthesis for Bipedal Fast Locomotion. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 53, 101-118.	3.4	5
107	Molecular dynamics study of 'success evaluation' for metallic nanoparticles manipulation on gold substrate. Micro and Nano Letters, 2010, 5, 286.	1.3	5
108	A Socially Aware SLAM Technique Augmented by Person Tracking Module. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 3-12.	3.4	5

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109	"Does cinema form the future of robotics?" a survey on fictional robots in sci-fi movies. SN Applied Sciences, 2021, 3, 1.	2.9	5
110	Playing Rock-Paper-Scissors with RASA: A Case Study on Intention Prediction in Human-Robot Interactive Games. Lecture Notes in Computer Science, 2019, , 347-357.	1.3	5
111	Engineering Analysis of Shoulder Dystocia in the Human Birth Process by the Finite Element Method. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 1992, 206, 243-250.	1.8	4
112	The cooperative dual-arm cam-lock manipulators. , 0, , .		4
113	Modal Analysis of Metallic Nanocantilevers With FCC Lattice Using Atomic Approximation Method. , 2006, , 65.		4
114	Design of a Robotic Cameraman With Three Actuators for Laparoscopic Surgery. , 2006, , 41.		4
115	Feedback control of the neuromusculoskeletal system in a forward dynamics simulation of stair locomotion. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 663-675.	1.8	4
116	Optimal configuration of dual-arm cam-lock robot based on task-space manipulability. Robotica, 2009, 27, 13-18.	1.9	4
117	Passive Dynamic Object Manipulation: Preliminary Definition and Examples. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 1711-1719.	1.5	4
118	Biomechanical analysis for the study of muscle contributions to support load carrying. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1287-1298.	2.1	4
119	Tip and sample flexibility effects on tapping mode (amplitude modulation) AFM measurements. Micro and Nano Letters, 2011, 6, 1023.	1.3	4
120	Design of an optimum torque actuator for augmenting lower extremity exoskeletons in biomechanical framework. , 2011, , .		4
121	Passive dynamic object manipulation: A framework for passive walking systems. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2013, 227, 185-198.	0.8	4
122	Dynamic Modeling of Scratch Drive Actuators. Journal of Microelectromechanical Systems, 2015, 24, 1370-1383.	2.5	4
123	Cellular Injection Using Carbon Nanotube: A Molecular Dynamics Study. Nano, 2015, 10, 1550025.	1.0	4
124	Observer based minimum variance control of uncertain piecewise affine systems subject to additive noise. Nonlinear Analysis: Hybrid Systems, 2016, 19, 153-167.	3.5	4
125	"Let There Be Intelligence!" A Novel Cognitive Architecture for Teaching Assistant Social Robots. Lecture Notes in Computer Science, 2018, , 275-285.	1.3	4
126	Design, Fabrication, and Evaluation of the "Maya" Social Robot. , 2019, , .		4

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127	Human-Robot Interaction based on Facial Expression Imitation. , 2019, , .		4
128	Virtual Reality Robot for Rehabilitation of Children with Cerebral Palsy (CP). , 2019, , .		4
129	Implementing a gaze control system on a social robot in multi-person interactions. SN Applied Sciences, 2020, 2, 1.	2.9	4
130	Teaching Persian Sign Language to a Social Robot via the Learning from Demonstrations Approach. Lecture Notes in Computer Science, 2019, , 655-665.	1.3	4
131	Recent Advances in Social & Cognitive Robotics and Imminent Ethical Challenges. SSRN Electronic Journal, 0, , .	0.4	4
132	Three-dimensional flexural-joint stiffness analysis of flexible manipulator arms. Robotica, 1988, 6, 203-212.	1.9	3
133	Optimizing motion trajectories of dextrous fingers by dynamic programming technique. Robotica, 1992, 10, 419-426.	1.9	3
134	Optimal Design and Fabrication of â€œCEDRAâ€•Rescue Robot Using Genetic Algorithm. , 2004, , 541.		3
135	Surface Modeling of Complicated Geometries with Incomplete Erroneous Data Points-An Extension to B-Spline Approach. , 2005, 2005, 1634-7.		3
136	Intelligent Control of Powered Exoskeleton to Assist Paraplegic Patients Mobility using Hybrid Neuro-Fuzzy ANFIS Approach. , 2006, , .		3
137	A New Approach to C2 Continuous Piecewise Bicubic Representation of the Articular Surfaces of Diarthrodial Joints. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2006, 220, 553-563.	1.8	3
138	New Jacobian Matrix and Equations of Motion for a 6 d.o.f Cable-Driven Robot. International Journal of Advanced Robotic Systems, 2007, 4, 8.	2.1	3
139	Planar Molecular Dynamics Simulation of Metallic Nanoparticles Manipulation. , 2008, , .		3
140	Forward dynamics simulation of human walking employing an iterative feedback tuning approach. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 289-297.	1.0	3
141	Dynamics Modeling of Nanoparticle in AFM-Based Manipulation Using Two Nanoscale Friction Models. , 2009, , .		3
142	Enhancement of the tipover stability of mobile manipulators with non-holonomic constraints using an adaptive neuro-fuzzy-based controller. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 201-213.	1.0	3
143	Planar molecular dynamics simulation of Au clusters in pushing process. International Journal of Nanomanufacturing, 2010, 5, 288.	0.3	3
144	Study of Biomolecules Imaging Using Molecular Dynamics Simulations. Nano, 2015, 10, 1550096.	1.0	3

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145	Singularity-free planning for a robot cat free-fall with control delay: Role of limbs and tail. , 2017, , .		3
146	Human-Robot Interaction. Journal of Robotics, 2018, 2018, 1-2.	0.9	3
147	Tabanâ€‹A Retro-Projected Social Robotic - Head for Human-Robot Interaction. , 2019, , .		3
148	A new haptic interaction with a visual tracker: implementation and stability analysis. International Journal of Intelligent Robotics and Applications, 2021, 5, 37-48.	2.8	3
149	Optimal tracking neuro-controller in satellite attitude control. , 0, , .		2
150	Nonlinear modeling of piezoelectric layered beams. , 2007, , .		2
151	Spring-Mass Jumping of Underactuated Biped Robots. , 2007, , 1923.		2
152	Genetic algorithm based optimization for Dual-Arm Cam-Lock robot configuration. , 2007, , .		2
153	Optimal Configuration of a 4-DOF Dual-Arm Cam-Lock Manipulator. , 2007, , .		2
154	The effect of load carrying on the human lower extremity muscle activation during walking. , 2008, , .		2
155	Intelligent control of an IPMC actuated manipulator using emotional learning-based controller. , 2008, , .		2
156	TEMPERATURE DEPENDENCE STUDY OF NONCONTACT AFM IMAGES USING MOLECULAR DYNAMICS SIMULATIONS. International Journal of Modern Physics Conference Series, 2012, 05, 418-432.	0.7	2
157	Conceptual Design and Simulation of a Semi-Automatic Cell for the Washing and Preparation of a Corpse Prior to an Islamic Burial. International Journal of Advanced Robotic Systems, 2012, 9, 42.	2.1	2
158	A closer look at the motion of p-carborane on gold surface. , 2016, , .		2
159	Virtual Social Toys: A Novel Concept to Bring Inanimate Dolls to Life. Lecture Notes in Computer Science, 2018, , 286-296.	1.3	2
160	Dynamic Modelling and Control of a Sphere-Based Micro Robot with Adjustable Arm. , 2018, , .		2
161	Dynamics and Control of a Novel Microrobot with High Maneuverability. Robotica, 2021, 39, 1729-1738.	1.9	2
162	Employing a Novel Gait Pattern Generator on a Social Humanoid Robot. Scientia Iranica, 2019, .	0.4	2

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163	Applying Robots as Teaching Assistant in EFL Classes at Iranian Middle-Schools. International Journal of Systems Applications Engineering & Development, 2021, 15, 165-171.	0.1	2
164	Mechanical design of a modular arm prosthesis. , 0, , .		1
165	Satellite attitude tracking using optimal neuro-controller. , 0, , .		1
166	An Effective Approach for Dynamic Analysis of Rovers. , 2004, , 387.		1
167	Stability Enhancement of Mobile Manipulators via Soft Computing. International Journal of Advanced Robotic Systems, 2006, 3, 29.	2.1	1
168	Planning of Dynamic Compensation Manipulator Motions for Stability Enhancement of Mobile Manipulators by Soft Computing. , 2006, , 1281.		1
169	Design, Dynamic Analysis and Optimization of a Rover for Rescue Operations. Lecture Notes in Computer Science, 2006, , 290-300.	1.3	1
170	Optimal task-space manipulability of hybrid 4-DOF dual-arm CAM-lock manipulators. , 2008, , .		1
171	Adaptive backstepping control of uncertain Lorenz system. , 2008, , .		1
172	Electrical Equivalent Circuit of Multi-mode Flexible Beams with Piezoelectric Elements. Journal of Intelligent Material Systems and Structures, 2008, 19, 621-627.	2.5	1
173	Precise Assembly of Metallic Nanoclusters as Building Blocks of Nanostructures: A Molecular Dynamics Study. , 2010, , .		1
174	Efficient Design of a Torque Actuator for Lower Extremity Exoskeleton Based on Muscle Function Analysis. Advanced Materials Research, 0, 328-330, 1041-1044.	0.3	1
175	Exploring Artificial Muscles As Actuators for Artificial Hands. , 1993, , .		1
176	Acceptance of Robotic Transportation in Small Workshops: A China-Iran Cross-Cultural Study. Lecture Notes in Computer Science, 2021, , 780-784.	1.3	1
177	Emotion Recognition Using EEG Signals: Accuracy Comparison Between Methods and Frequency Bands. , 2021, , .		1
178	An optimum design and simulation of an innovative mobile robotic nurse unit to assist paraplegic patients. , 0, , .		0
179	Rough Terrain Rovers Dynamics Analysis and Optimization. , 2005, , 903.		0
180	Acquisition of High Precision Images for Non-Contact Atomic Force Microscopy via Direct Identification of Sample Height. , 2005, , 1335.		0

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181	A Rigid Body Spring Model to Investigate the Lateral Shift - Restraining Force Behavior of the Patella. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4679-82.	0.5	0
182	Determination of mechanical properties of FCC nano-beams based on molecular dynamics simulations. , 2008, , .		0
183	Position Control of Ionic Polymer-Metal Composites Using Fuzzy Logic. , 2008, , .		0
184	Simulations of Surface Defects Characterization Using Force Modulation Atomic Force Microscopy. , 2009, , .		0
185	Optimal Sliding Mode Control of AFM Tip Vibration and Position During Manipulation of a Nanoparticle. , 2009, , .		0
186	Manipulation of Multibody Active Objects Using Simple Passive Manipulators. , 2010, , .		0
187	Controllability and Maintenance of Human Trunk Response Surface for Isometric Extension Strength. , 2010, , .		0
188	The Atomic-Scale Hysteresis in Non Contact Atomic Force Microscopy. , 2010, , .		0
189	Simulation of Biomanipulation Using Molecular Dynamics. , 2012, , .		0
190	Robust Hâˆž Hybrid Observer-Controller Design With Application to Attitude Control of 2-DOF Helicopter. , 2014, , .		0
191	Dynamics of Scratch Drive Actuators during Stepwise Motion. Applied Mechanics and Materials, 2014, 664, 104-110.	0.2	0
192	Nonlinear Dynamic Analysis of Atomic Force Microscopy. , 2006, , .		0
193	PRI (PALM ROTATION INDICATOR): A METRIC FOR POSTURAL STABILITY IN DYNAMIC NONPREHENSILE MANIPULATION. Mechanika, 2012, 18, .	0.5	0
194	Design and Fabrication of a Floating Social Robot: CeB the Social Blimp. Lecture Notes in Computer Science, 2021, , 660-670.	1.3	0