

# Marco Ceccarelli

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

496  
papers

3,922  
citations

29  
h-index

43  
g-index

559  
ext. papers

4,536  
ext. citations

1.4  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
496	Progress and Development Trend of Space Intelligent Robot Technology. <i>Space: Science &amp; Technology</i> , <b>2022</b> , 2022, 1-11		4
495	Design and Performance of L-CaPaMan2. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1380	2.6	1
494	L-CaPaMan Design and Performance Analysis. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 569-576	0.3	1
493	Mechanism Designs for Solar Tracking. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 241-249	0.3	
492	Historical and Technical Analysis of Harmonic Drive Gear Design. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 46-55	0.3	
491	Prototype and Testing of LARMbot PK Arm. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 210-219	0.3	1
490	Prototype and Testing of L-CaPaMan. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 249-258	0.3	
489	Experiences in Leadership IFToMM: Achievements and Challenges. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 3-16	0.3	3
488	A Historical Development of LARM Finger Design Shape. <i>History of Mechanism and Machine Science</i> , <b>2022</b> , 360-371	0.1	
487	Recent Advances and Challenges in the IFToMM PC for History of MMS. <i>History of Mechanism and Machine Science</i> , <b>2022</b> , 10-23	0.1	1
486	Design of an Articulated Neck to Assess Impact Head-Neck Injuries.. <i>Life</i> , <b>2022</b> , 12,	3	1
485	Control Design for CABLEankle, a Cable Driven Manipulator for Ankle Motion Assistance. <i>Actuators</i> , <b>2022</b> , 11, 63	2.4	1
484	Requirements and Solutions for Motion Limb Assistance of COVID-19 Patients. <i>Robotics</i> , <b>2022</b> , 11, 45	2.8	1
483	Past Achievements and Future Challenges of Mechanism Design for Robotics. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 3-9	0.3	
482	Requirements and Design of a Hand for LARMbot Humanoid. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 238-245	0.3	
481	Design and Performance of a Motion-Assisting Device for Ankle. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 659-668	0.3	1
480	Performance Analysis of a Cable-Driven Ankle Assisting Device. <i>Mechanisms and Machine Science</i> , <b>2022</b> , 619-627	0.3	

479	Design of a Robot for Inspecting the Multishape Pipeline Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 1-11	5.5	0
478	A Novel Two-Degree-of-Freedom Gimbal for Dynamic Laser Weeding: Design, Analysis, and Experimentation. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 1-11	5.5	1
477	Design Issues for a Walking-Flying Robot. <i>Lecture Notes in Mechanical Engineering</i> , <b>2021</b> , 267-277	0.4	
476	Operation Safety of a 2-DoF Planar Mechanism for Arm Rehabilitation. <i>Inventions</i> , <b>2021</b> , 6, 85	2.9	
475	An Experimental Analysis of Vibrations During Walking in Humans and Robots. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 635-643	0.3	
474	Design Formulation for a Multi-criteria Optimization of Mechatronic Systems. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 849-860	0.3	
473	Design Experiences for Reconstruction of an Ancient Roman Crane. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 37-45	0.3	
472	A Wearable Device for Ankle Motion Assistance. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 173-181	0.3	1
471	Design and Experimental Characterization of an Underactuated Finger Mechanism. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 102-110	0.3	
470	Design and Operation Improvements for CADEL Cable-Driven Elbow Assisting Device. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 503-511	0.3	3
469	Lab Experiences on Impact Biomechanics of Human Head. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 229-237	0.3	4
468	Experimental Characterization of a Cable-Driven Device for Elbow Motion Assistance. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 71-78	0.3	4
467	Kinematic Modelling and Motion Analysis of a Humanoid Torso Mechanism. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2607	2.6	3
466	Pipeline Inspection Tests Using a Biomimetic Robot. <i>Biomimetics</i> , <b>2021</b> , 6,	3.7	2
465	A prototype characterization of ExoFinger, a finger exoskeleton. <i>International Journal of Advanced Robotic Systems</i> , <b>2021</b> , 18, 172988142110248	1.4	2
464	Impact Device for Biomechanics of Human Head-Neck Injuries. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-8	1.1	2
463	Design and Experimental Characterization of L-CADEL v2, an Assistive Device for Elbow Motion. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
462	Development and characterisation of a controllable adjustable knee joint mechanism. <i>Mechanism and Machine Theory</i> , <b>2021</b> , 155, 104101	4	6

461	Design and Analysis of 2 DOF Elbow Prosthesis. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 3-12	0.3	0
460	Geared Designs from the Past for Today Inspiration. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 243-254	0.3	
459	Design and Operation of Humanoid Robots with Incipient Fall Detection. <i>Proceedings of Higher Educational Institutions Machine Building</i> , <b>2021</b> , 11-15	0.1	0
458	Design Criteria Study for Underactuated Symmetric Pinching Mechanism of Pinch Roll Machine in High-Speed Wire Rod Product Line. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 113-121	0.3	
457	Driving Mechanism in Robotized Hospital Bed for Patients with COVID 19. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 179-186	0.3	
456	An Experimental Characterization of TORVEastro, Cable-Driven Astronaut Robot. <i>Robotics</i> , <b>2021</b> , 10, 21	2.8	3
455	Challenges of Mechanical Engineering and in IFToMM: Yesterday and Tomorrow. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 69-83	0.3	
454	Cable-Driven Robots in Physical Rehabilitation <b>2021</b> , 255-290		
453	Design of a Cable-Driven Robot for Elbow and Wrist Rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 167-175	0.3	
452	Aerodynamic Double Pendulum with Nonlinear Elastic Spring. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 132-140	0.3	1
451	A Comparison of Algebraic and Iterative Procedures for the Generation of the Workspace of Parallel Robots. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 53-61	0.3	1
450	Inverse Kinematics and Velocity Analysis of a 6-DOF Hexapod-Type Manipulator with a Circular Guide. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 12-19	0.3	1
449	Design of a Flexible Interphalangeal Joint. <i>Mechanisms and Machine Science</i> , <b>2021</b> , 141-148	0.3	
448	Virtual and Physical Prototyping of Reconfigurable Parallel Mechanisms with Single Actuation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7158	2.6	3
447	An Innovative Optimization Design Procedure for Mechatronic Systems with a Multi-Criteria Formulation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8900	2.6	1
446	Design and Experimental Characterization of a Cable-Driven Elbow Assisting Device. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2021</b> , 15,	1.3	5
445	Design and Performance of an Elbow Assisting Mechanism. <i>Machines</i> , <b>2020</b> , 8, 68	2.9	11
444	NURSE-2 DoF Device for Arm Motion Guidance: Kinematic, Dynamic, and FEM Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2139	2.6	11

443	A Survey on Mechanical Solutions for Hybrid Mobile Robots. <i>Robotics</i> , <b>2020</b> , 9, 32	2.8	7
442	Experimental Validation of HeritageBot III, a Robotic Platform for Cultural Heritage. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2020</b> , 100, 223-237	2.9	5
441	Design of a Two-DOFs Driving Mechanism for a Motion-Assisted Finger Exoskeleton. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2619	2.6	18
440	Design and Development of the Cassino Biped Locomotor. <i>Journal of Mechanisms and Robotics</i> , <b>2020</b> , 12,	2.2	1
439	Francesco di Giorgio (1439–1501). <i>History of Mechanism and Machine Science</i> , <b>2020</b> , 47-66	0.1	1
438	The MuseBot Project <b>2020</b> , 1721-1743		
437	Cesare Rossi (1955–2017). <i>History of Mechanism and Machine Science</i> , <b>2020</b> , 115-125	0.1	1
436	Italian Contributions to RAAD. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 325-333	0.3	
435	Design of arm exercises for rehabilitation assistance. <i>Journal of Engineering Research</i> , <b>2020</b> , 8, 203-218	2	12
434	Cable-Driven Robots in Physical Rehabilitation. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2020</b> , 52-96	0.4	5
433	Design and Requirements for a Mobile Robot for Team Cooperation. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 277-285	0.3	0
432	Parallel Mechanism Designs for Humanoid Robots. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 255-264	0.3	1
431	Numerical and Experimental Validation of ExoFing, a Finger Exoskeleton. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 115-122	0.3	1
430	Giovanni Bianchi (1924–2003). <i>History of Mechanism and Machine Science</i> , <b>2020</b> , 1-13	0.1	1
429	Vibration Analysis of Gearboxes. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 473-494	0.3	
428	Prototype Design and Testing of TORVEastro, Cable-Driven Astronaut Robot. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 448-455	0.3	4
427	Design and Simulation of a Parallel-Mechanism Testbed for Head Impact. <i>Mechanisms and Machine Science</i> , <b>2020</b> , 400-407	0.3	5
426	Design, Modeling and Experimentation of a Biomimetic Wall-climbing Robot for Multiple Surfaces. <i>Journal of Bionic Engineering</i> , <b>2020</b> , 17, 523-538	2.7	4

425	Combination of Hardware and Control to Reduce Humanoids Fall Damage. <i>International Journal of Humanoid Robotics</i> , <b>2020</b> , 17, 2050002	1.2	0
424	Parallel Architectures for Humanoid Robots. <i>Robotics</i> , <b>2020</b> , 9, 75	2.8	11
423	Analysis of a Wearable Robotic System for Ankle Rehabilitation. <i>Machines</i> , <b>2020</b> , 8, 48	2.9	21
422	A fairly simple mechatronic device for training human wrist motion. <i>International Journal of Advanced Robotic Systems</i> , <b>2020</b> , 17, 172988142097428	1.4	1
421	Mechanism design for legged locomotion systems <b>2020</b> , 1-31		
420	Force Analysis and Curve Design for Laying Pipe in Loop Laying Head of Wire Rod Mills. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2019</b> , 32,	2.5	3
419	Design and Feasibility Study of a Leg-exoskeleton Assistive Wheelchair Robot with Tests on Gluteus Medius Muscles. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
418	Advances on the Development of a Robotic Hand with Movable Palm. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 1997-2006	0.3	1
417	Design and Simulation of a Biped Locomotor with Walking and Turning Operation. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 2329-2338	0.3	
416	Design of a Cable-Driven Device for Elbow Rehabilitation and Exercise. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 61-68	0.3	9
415	Effects of Voltage Dips on Robotic Grasping. <i>Robotics</i> , <b>2019</b> , 8, 28	2.8	2
414	Experiences and Design of a Cable-Driven Assisting Device for Arm Motion. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2019</b> , 94-101	0.6	4
413	An Experimental Characterization of a Parallel Mechanism for Robotic Legs. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2019</b> , 18-25	0.6	2
412	Experimental Characterization of the Coupling Stage of a Two-Stage Planetary Gearbox in Variable Operational Conditions. <i>Machines</i> , <b>2019</b> , 7, 45	2.9	2
411	Gait Transition Between Standing and Falling Down for a Humanoid Robot. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 2501-2509	0.3	1
410	Interactive device supporting ankle joint rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 43-52	0.3	
409	Design and Characterization of a Gearbox Joint for Manipulators. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 2261-2268	0.3	1
408	Dynamics of a Humanoid Robot with Parallel Architectures. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 1799-1808	0.3	1

407	A Gripper Mechanism to Automate Overload Process for Fuel Elements. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 118-128	0.3	
406	Experiences for a User-Friendly Operation of Cassino Hexapod III. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 205-213	0.3	
405	A Characterization of a Robotic Hand with Movable Palm. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 118-125	0.3	
404	Numerical Simulation of a Leg Exoskeleton for Human Motion Assistance. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 101-108	0.3	
403	Design of a Methodology for the Determination of the Mechanical Rib Stiffness as Injury Index. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 62-69	0.3	0
402	A Comparative Analysis of Teaching MMS at Politehnica University of Timișara and University of Cassino and South Latium. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 91-102	0.3	1
401	A Study of Feasibility for a Design of a Metamorphic Artificial Hand. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 283-290	0.3	
400	The Arsenal of Venice: The First Industrial Factory in History. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 3-11	0.3	
399	Reconstruction and Analysis of Zhan's Sand Clock in the 14th Century. <i>History of Mechanism and Machine Science</i> , <b>2019</b> , 123-133	0.1	
398	Mechanisms in Heron's Automata as Technological Transfer and Cultural Means. <i>History of Mechanism and Machine Science</i> , <b>2019</b> , 175-186	0.1	1
397	Analysis and Reconstruction of a Platform with Ball Bearings in Roman Ships of Nemi Lake. <i>History of Mechanism and Machine Science</i> , <b>2019</b> , 187-198	0.1	
396	5DOF Mechanism for Vertebral Surgery Kinematic Analysis and Velocity Calculation. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 1741-1749	0.3	1
395	Reconstruction of an Ancient Blossoming Flower Automaton with a Circular-arc Cam. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 1151-1160	0.3	
394	Ball Bearings from Roman Imperial Ships of Nemi Lake. <i>Advances in Historical Studies</i> , <b>2019</b> , 08, 115-130	0.2	2
393	Comparison of Motion/Force Transmissibility in a 3-SPR Parallel Manipulator and a 6-SPS Equivalent Mechanism. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 119-129	0.3	
392	Design of a Test Bench to Simulate Cranial Sudden Impact. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 225-234	0.3	4
391	Redesign and Construction of a Low-Cost CaPaMan Prototype. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 158-165	0.3	2
390	Experimental Dynamic Tests of Rib Implants. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 353-361	0.3	7

389	Experimental characterization of an osteosynthesis implant. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 53-62	0.3	8
388	Design and experience of a test-bed for gearboxes. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 967-976	0.3	4
387	Challenges for Mechanism Design in Robotics. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2019</b> , 1-8	0.6	1
386	Design and Experiences of a Planetary Gear Box for Adaptive Drives. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 284-291	0.3	2
385	Enhanced D-H: an improved convention for establishing a robot link coordinate system fixed on the joint. <i>Industrial Robot</i> , <b>2019</b> , 47, 197-205	1.4	4
384	Design and performance simulation of TORVEastro three-link astronaut robot. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 659, 012010	0.4	2
383	Development of LARMBot 2, A Novel Humanoid Robot with Parallel Architectures. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 17-24	0.3	
382	Underactuated Elements Design Criterion for Envelop Gripper Mechanism. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 432-442	0.3	2
381	Design and Testing of a Finger Exoskeleton Prototype. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 342-349	0.3	2
380	Design and Simulation of a Leg Exoskeleton Linkage for Human Motion Assistance. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 93-100	0.3	4
379	Internship Experience for Learning the Operation of a Cable-Driven Robot for Rehabilitation Tasks. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 195-207	0.3	
378	Design of Dual-Arm Exoskeleton for Mirrored Upper Limb Rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 303-311	0.3	1
377	Force transmission and constraint analysis of a 3-SPR parallel manipulator. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2018</b> , 232, 4399-4409	1.3	13
376	A Dynamic Compensation for Roll Hemming Process. <i>IEEE Access</i> , <b>2018</b> , 6, 18264-18275	3.5	3
375	Kinematic analysis and multi-objective optimization of a 3-UPR parallel mechanism for a robotic leg. <i>Mechanism and Machine Theory</i> , <b>2018</b> , 120, 192-202	4	42
374	Multi-objective optimization of a parallel manipulator for the design of a prosthetic arm using genetic algorithms. <i>Latin American Journal of Solids and Structures</i> , <b>2018</b> , 15,	1.4	7
373	Experimental characterization of assisted human arm exercises <b>2018</b> ,		3
372	Grasp configuration planning for a low-cost and easy-operation underactuated three-fingered robot hand. <i>Mechanism and Machine Theory</i> , <b>2018</b> , 129, 51-69	4	28

371	Master-Slave Control of an Intention-Actuated Exoskeletal Robot for Locomotion and Lower Extremity Rehabilitation. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2018</b> , 19, 983-991	1.7	10
370	Kinematic Design of a Parallel Robot for Elbow and Wrist Rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 147-154	0.3	3
369	Kinematic Design of a Tripod Parallel Mechanism for Robotic Legs. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 121-130	0.3	6
368	Multi-objective Optimization of a Tripod Parallel Mechanism for a Robotic Leg. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 374-382	0.3	2
367	Design and Lab Tests of a Scaled Leg Exoskeleton with Electric Actuators. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 719-726	0.3	3
366	Design Optimization of a Cable-Driven Parallel Robot in Upper Arm Training-Rehabilitation Processes. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 413-423	0.3	5
365	Kinematic Analysis of an Exoskeleton-Based Robot for Elbow and Wrist Rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 424-433	0.3	7
364	Performance Analysis of the Automata in a Blossoming Flower Clock in the 18th Century. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 1017-1024	0.3	1
363	An Experimental Characterization of Roll Hemming Process. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 367-378	0.3	1
362	Experimental Evaluation of Artificial Human Ribs. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 434-443	0.3	1
361	Innovation challenges for Mechanism Design. <i>Mechanism and Machine Theory</i> , <b>2018</b> , 125, 94-100	4	6
360	Design and Control of Linkage Exoskeletons in Wheelchair. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 862-869	0.3	3
359	Design and Construction of a Demonstrative HeritageBot Platform. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 355-362	0.3	3
358	A historical study and mechanical classification of ancient music-playing automata. <i>Mechanism and Machine Theory</i> , <b>2018</b> , 121, 273-285	4	3
357	A Falling Motion Strategy for Humanoids Based on Motion Primitives of Human Falling. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 264-272	0.3	2
356	HeritageBot platform for service in Cultural Heritage frames. <i>International Journal of Advanced Robotic Systems</i> , <b>2018</b> , 15, 172988141879069	1.4	12
355	Design and Experiments of a Novel Humanoid Robot with Parallel Architectures. <i>Robotics</i> , <b>2018</b> , 7, 79	2.8	13
354	Mechanical Design and Assessment of a Low-Cost 7-DOF Prosthetic Arm for Shoulder Disarticulation. <i>Applied Bionics and Biomechanics</i> , <b>2018</b> , 2018, 4357602	1.6	5

353	Prototype Design and Performance Tests of Beijing Astronaut Robot. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1342	2.6	6
352	Experimental Characterization of NURSE, a Device for Arm Motion Guidance. <i>Journal of Healthcare Engineering</i> , <b>2018</b> , 2018, 9303282	3.7	5
351	Design and Simulation of a Parallel-Serial LARMbot Arm. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 379-386	0.3	2
350	Dynamic Modeling and Simulation of Sliding Mode Control for a Cable Driven Parallel Robot. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 413-426	0.3	3
349	Design and Simulation of an Underactuated Mechanism for Leg Exoskeleton. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 181-190	0.3	
348	Design and Simulation of a Novel Hybrid Leg Mechanism for Walking Machines. <i>Mechanisms and Machine Science</i> , <b>2018</b> , 283-290	0.3	1
347	An experimental validation of a novel humanoid torso. <i>Robotics and Autonomous Systems</i> , <b>2017</b> , 91, 299-313	3.3	18
346	HeritageBot Service Robot assisting in Cultural Heritage <b>2017</b> ,		10
345	Design and simulation of an underactuated finger mechanism for LARM Hand. <i>Robotica</i> , <b>2017</b> , 35, 483-497	4.1	14
344	Prototype and Testing of HeritageBot Platform for Service in Cultural Heritage <b>2017</b> , 103-112		2
343	Designing and Prototyping Reconstruction of Musician Automata <b>2017</b> , 22-32		1
342	Applied Mathematics to Mobile Robotics and Their Applications. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-2	1.1	1
341	Kinematic Analysis of a Continuum Parallel Robot. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 173-180	0.3	2
340	Design and test of a gripper prototype for horticulture products. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 44, 266-275	9.2	29
339	Design and Simulation of an Assisting Mechanism for Arm Exercises. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 115-123	0.3	4
338	A Study of Feasibility for a Limb Exercising Device. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 11-21	0.3	20
337	A Kinematic Solution of a Novel Leg Mechanism with Parallel Architecture. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 41-49	0.3	
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334	Design and simulation of leg exoskeleton cycling-actuated wheelchair. <i>International Journal of Advanced Robotic Systems</i> , <b>2017</b> , 14, 172988141774173	1.4	7
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332	An experimental characterization of human falling down. <i>Mechanical Sciences</i> , <b>2017</b> , 8, 79-89	1.3	7
331	Requirements and Constraints for a Robotized Roll Hemming Solution. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 244-251	0.4	2
330	Mechanical Design of a Prosthetic Human Arm and its Dynamic Simulation. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 482-490	0.4	3
329	Static Performance Analysis of an Exechon-like Parallel Kinematic Machine. <i>Lecture Notes in Electrical Engineering</i> , <b>2017</b> , 831-843	0.2	2
328	A Workspace Analysis of 4R Manipulators via Level-Set Formulation. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 483-491	0.3	
327	General Algorithm for Computing the Theoretical Centering Precision of the Gripping Devices. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 15-21	0.3	1
326	IFTtoMM in MMS Developments. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 3-13	0.3	
325	Human Motion Characterization Using Wireless Inertial Sensors. <i>Mechanisms and Machine Science</i> , <b>2017</b> , 401-408	0.3	1
324	Toward an Active Protection for Robot Arms. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 386-393		
323	Design, Construction and Testing of a Gripper for Horticulture Products. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 119-127	0.4	
322	The MuseBot Project. <i>Advances in Library and Information Science</i> , <b>2017</b> , 45-66	0.1	1
321	Adaptive fuzzy sliding mode control for redundant manipulators with varying payload. <i>Industrial Robot</i> , <b>2016</b> , 43, 665-676	1.4	5
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3 <sup>16</sup>	An Overview of the Ongoing Humanoid Robot Project LARMbot. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 53-64	0.9	1
3 <sup>15</sup>	Experimental Inspiration and Rapid Prototyping of a Novel Humanoid Torso. <i>Mechanisms and Machine Science</i> , <b>2016</b> , 65-74	0.3	
3 <sup>14</sup>	Balancing of a 3-DOFs Parallel Manipulator <b>2016</b> , 173-191		1
3 <sup>13</sup>	Design and Kinematic Analysis of a Novel Metamorphic Mechanism for Lower Limb Rehabilitation. <i>Mechanisms and Machine Science</i> , <b>2016</b> , 545-558	0.3	5
3 <sup>12</sup>	Motion planning for humanoid robot dynamically stepping over consecutive large obstacles. <i>Industrial Robot</i> , <b>2016</b> , 43, 204-220	1.4	5
3 <sup>11</sup>	A Cable-Pulley Transmission for Ankle Joint Actuation in Artificial Leg. <i>Mechanisms and Machine Science</i> , <b>2016</b> , 559-570	0.3	
3 <sup>10</sup>	How to Use 3D Printing for Feasibility Check of Mechanism Design. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 307-315	0.4	5
3 <sup>09</sup>	Considerations on History of Mechanism and Machine Science with an IFToMM Role for Future Developments. <i>Mechanisms and Machine Science</i> , <b>2016</b> , 37-54	0.3	
3 <sup>08</sup>	Science, Technology and Industry in Southern Italy Before the Unification. <i>History of Mechanism and Machine Science</i> , <b>2016</b> , 159-179	0.1	1
3 <sup>07</sup>	Machine Designs and Drawings in Renaissance Editions of de Architectura by Marcus Vitruvius Pollio. <i>History of Mechanism and Machine Science</i> , <b>2016</b> , 291-307	0.1	5
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3 <sup>05</sup>	Giuseppe Antonio Borgnis and His Handbook of Machine Designs. <i>History of Mechanism and Machine Science</i> , <b>2016</b> , 15-34	0.1	
3 <sup>04</sup>	On the Warship by Ansaldo for Chinese Imperial Navy. <i>History of Mechanism and Machine Science</i> , <b>2016</b> , 223-233	0.1	
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3 <sup>01</sup>	A master-slave control system for lower limb rehabilitation robot with pedal-actuated exoskeleton <b>2016</b> ,		2
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291	Design and numerical characterization of a new leg exoskeleton for motion assistance. <i>Robotica</i> , <b>2015</b> , 33, 1147-1162	2.1	24
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286	Development and Simulation of an Automated Twistlock Handling Robot System. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 145-153	0.3	0
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275	A Robotic System for Inspection and Repair of Small Diameter Pipelines. <i>Nauka I Obrazovanie</i> , <b>2015</b> , 15,		1
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273	Design and Simulation of Walking Operation of a Cassino Biped Locomotor. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 613-621	0.3	12
272	Design and FEM Analysis of a Novel Humanoid Torso. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 477-488	0.3	4
271	Kinematic Design Problems for Low-Cost Easy-Operation Humanoid Robots. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 91-99	0.3	3
270	Corradino D'Ascanio and His Design of Vespa Scooter. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 399-409	0.3	0
269	Numerical Design Solutions for Telescopic Manipulators. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 101-108	0.3	
268	Characteristics of a Walking Simulator with Parallel Manipulators. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 137-145	0.3	
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264	Mechanism of a Leg Exoskeleton for Walking Rehabilitation Purposes. <i>Mechanisms and Machine Science</i> , <b>2014</b> , 107-114	0.3	1

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262	Design and Characterization of a New Planetary Gear Box. <i>Mechanisms and Machine Science</i> , <b>2014</b> , 91-98	0.3	9
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255	LARM PKM solutions for torso design in humanoid robots. <i>Frontiers of Mechanical Engineering</i> , <b>2014</b> , 9, 308-316	3.3	8
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250	Mechanism Design for Robots. <i>Mechanisms and Machine Science</i> , <b>2014</b> , 1-8	0.3	4
249	Marcus Vitruvius Pollio (Second Half of the 1st Century B.C.). <i>History of Mechanism and Machine Science</i> , <b>2014</b> , 309-346	0.1	4
248	Findings on Italian Historical Developments of Machine Technology in 19th Century Towards Industrial Revolution. <i>Mechanisms and Machine Science</i> , <b>2014</b> , 493-501	0.3	
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217	Service Robots for Restoration of Goods of Cultural Heritage <b>2012</b> , 213-228		12
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188	A New Design for Cassino Hexapod Robot <b>2010</b> ,		2
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185	Comparison of indices for stiffness performance evaluation. <i>Frontiers of Mechanical Engineering in China</i> , <b>2010</b> , 5, 270-278		42
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181	Challenges for Mechanism Design <b>2010</b> , 1-13		2
180	Design and Simulation of Kursk Robot for In-Pipe Inspection <b>2010</b> , 103-114		5
179	The Mechanics of Archimedes Towards Modern Mechanism Design. <i>History of Mechanism and Machine Science</i> , <b>2010</b> , 177-187	0.1	2
178	An Optimum Path Planning for LARM Clutched Arm <b>2010</b> , 393-400		2
177	On Link Effects of Ring Workspace of Three-Revolute Manipulators <b>2010</b> , 285-298		
176	Design and Simulation of a Waist-Trunk System for a Humanoid Robot. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2010</b> , 217-224	0.6	1
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14	Logical sensors and control system programming for an autonomous biped walking robot		3
13	Error analysis and experimental tests of CATRASYS (Cassino Tracking System)		3
12	Climbing stairs with EP-WAR2 biped robot		11

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