Ken Goldberg

List of Publications by Year
in descending order

209	9,802	136950	76900
papers	citations	32	74
		h-index	g-index

214	214	214	6843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Title is missing!. Information Retrieval, 2001, 4, 133-151.	2.0	1,089
2	Dex-Net 2.0: Deep Learning to Plan Robust Grasps with Synthetic Point Clouds and Analytic Grasp Metrics. , 0, , .		668
3	A Survey of Research on Cloud Robotics and Automation. IEEE Transactions on Automation Science and Engineering, 2015, 12, 398-409.	5.2	609
4	Motion planning with sequential convex optimization and convex collision checking. International Journal of Robotics Research, 2014, 33, 1251-1270.	8.5	532
5	Combating COVID-19â€"The role of robotics in managing public health and infectious diseases. Science Robotics, 2020, 5, .	17.6	393
6	Learning ambidextrous robot grasping policies. Science Robotics, 2019, 4, .	17.6	321
7	LQG-MP: Optimized path planning for robots with motion uncertainty and imperfect state information. International Journal of Robotics Research, 2011, 30, 895-913.	8.5	271
8	Deep Imitation Learning for Complex Manipulation Tasks from Virtual Reality Teleoperation. , 2018, , .		263
9	Dex-Net 1.0: A cloud-based network of 3D objects for robust grasp planning using a Multi-Armed Bandit model with correlated rewards. , 2016, , .		220
10	A geometric approach to robotic laundry folding. International Journal of Robotics Research, 2012, 31, 249-267.	8.5	183
11	Motion Planning Under Uncertainty for Image-guided Medical Needle Steering. International Journal of Robotics Research, 2008, 27, 1361-1374.	8.5	159
12	Dex-Net 3.0: Computing Robust Vacuum Suction Grasp Targets in Point Clouds Using a New Analytic Model and Deep Learning. , 2018, , .		158
13	Cloud-based robot grasping with the google object recognition engine. , 2013, , .		150
14	Robot-Assisted Needle Steering. IEEE Robotics and Automation Magazine, 2011, 18, 35-46.	2.0	146
15	Superhuman performance of surgical tasks by robots using iterative learning from human-guided demonstrations. , 2010, , .		144
16	ActiveClean. Proceedings of the VLDB Endowment, 2016, 9, 948-959.	3.8	134
17	A robot path planning framework that learns from experience. , 2012, , .		133
18	Learning by observation for surgical subtasks: Multilateral cutting of 3D viscoelastic and 2D Orthotropic Tissue Phantoms. , 2015, , .		121

#	Article	IF	Citations
19	Segmenting Unknown 3D Objects from Real Depth Images using Mask R-CNN Trained on Synthetic Data. , 2019, , .		112
20	Opinion space. , 2010, , .		110
21	Interactive simulation of surgical needle insertion and steering. ACM Transactions on Graphics, 2009, 28, 1-10.	7.2	96
22	Three-dimensional Motion Planning Algorithms for Steerable Needles Using Inverse Kinematics. International Journal of Robotics Research, 2010, 29, 789-800.	8.5	95
23	Screw-based motion planning for bevel-tip flexible needles in 3D environments with obstacles. , 2008, , 2483-2488.		91
24	Autonomous multilateral debridement with the Raven surgical robot. , 2014, , .		88
25	Multilateral surgical pattern cutting in 2D orthotropic gauze with deep reinforcement learning policies for tensioning. , 2017, , .		81
26	On-Policy Dataset Synthesis for Learning Robot Grasping Policies Using Fully Convolutional Deep Networks. IEEE Robotics and Automation Letters, 2019, 4, 1357-1364.	5.1	81
27	A sample-and-clean framework for fast and accurate query processing on dirty data. , 2014, , .		77
28	Robotic Needle Steering: Design, Modeling, Planning, and Image Guidance. , 2011, , 557-582.		74
29	Registration of MR prostate images with biomechanical modeling and nonlinear parameter estimation. Medical Physics, 2006, 33, 446-454.	3.0	72
30	Integrated planning and image-guided control for planar needle steering. , 2008, 2008, 819-824.		71
31	Evaluating Machine Learning–Based Automated Personalized Daily Step Goals Delivered Through a Mobile Phone App: Randomized Controlled Trial. JMIR MHealth and UHealth, 2018, 6, e28.	3.7	69
32	Recovery RL: Safe Reinforcement Learning With Learned Recovery Zones. IEEE Robotics and Automation Letters, 2021, 6, 4915-4922.	5.1	66
33	Transition state clustering: Unsupervised surgical trajectory segmentation for robot learning. International Journal of Robotics Research, 2017, 36, 1595-1618.	8.5	58
34	Respectful cameras: detecting visual markers in real-time to address privacy concerns. , 2007, , .		56
35	Learning to Rearrange Deformable Cables, Fabrics, and Bags with Goal-Conditioned Transporter Networks. , 2021, , .		56
36	Optimization of HDR brachytherapy dose distributions using linear programming with penalty costs. Medical Physics, 2006, 33, 4012-4019.	3.0	55

#	Article	IF	Citations
37	Evaluation of PCâ€ISO for customized, 3D printed, gynecologic HDR brachytherapy applicators. Journal of Applied Clinical Medical Physics, 2015, 16, 246-253.	1.9	55
38	Respectful Cameras: Detecting Visual Markers in Real-Time to Address Privacy Concerns. , 2009, , 65-89.		51
39	Feedback control for steering needles through 3D deformable tissue using helical paths. , 2009, V, 37.		51
40	A complete algorithm for designing passive fences to orient parts. Assembly Automation, 1997, 17, 129-136.	1.7	50
41	Learning accurate kinematic control of cable-driven surgical robots using data cleaning and Gaussian Process Regression. , 2014, , .		48
42	Robots and the return to collaborative intelligence. Nature Machine Intelligence, 2019, 1, 2-4.	16.0	47
43	A single-use haptic palpation probe for locating subcutaneous blood vessels in robot-assisted minimally invasive surgery. , 2015, , .		46
44	Tumor localization using automated palpation with Gaussian Process Adaptive Sampling. , 2016, , .		46
45	Gravity-Based Robotic Cloth Folding. Springer Tracts in Advanced Robotics, 2010, , 409-424.	0.4	44
46	ActiveClean. , 2016, , .		43
47	IPIP: A new approach to inverse planning for HDR brachytherapy by directly optimizing dosimetric indices. Medical Physics, 2011, 38, 4045-4051.	3.0	42
48	Robot grasping in clutter: Using a hierarchy of supervisors for learning from demonstrations. , 2016, , .		41
49	Scaling up Gaussian Belief Space Planning Through Covariance-Free Trajectory Optimization and Automatic Differentiation. Springer Tracts in Advanced Robotics, 2015, , 515-533.	0.4	41
50	Toward cloud-based grasping with uncertainty in shape: Estimating lower bounds on achieving force closure with zero-slip push grasps. , 2012, , .		39
51	Deep Imitation Learning of Sequential Fabric Smoothing From an Algorithmic Supervisor. , 2020, , .		39
52	Fast and Reliable Autonomous Surgical Debridement with Cable-Driven Robots Using a Two-Phase Calibration Procedure. , 2018, , .		38
53	FixtureNet: interactive computer-aided design via the World Wide Web. International Journal of Human Computer Studies, 1997, 46, 773-788.	5.6	37
54	Linear Push Policies to Increase Grasp Access for Robot Bin Picking. , 2018, , .		37

#	Article	IF	Citations
55	What Is Automation?. IEEE Transactions on Automation Science and Engineering, 2012, 9, 1-2.	5.2	36
56	Computing fence designs for orienting parts. Computational Geometry: Theory and Applications, 1998, 10, 249-262.	0.5	35
57	LQG-Based Planning, Sensing, and Control of Steerable Needles. Springer Tracts in Advanced Robotics, 2010, , 373-389.	0.4	35
58	SWIRL: A sequential windowed inverse reinforcement learning algorithm for robot tasks with delayed rewards. International Journal of Robotics Research, 2019, 38, 126-145.	8.5	35
59	GP-GPIS-OPT: Grasp planning with shape uncertainty using Gaussian process implicit surfaces and Sequential Convex Programming. , 2015, , .		34
60	3D Motion Planning Algorithms for Steerable Needles Using Inverse Kinematics. Springer Tracts in Advanced Robotics, 2009, 57, 535-549.	0.4	33
61	Energy-Bounded Caging: Formal Definition and 2-D Energy Lower Bound Algorithm Based on Weighted Alpha Shapes. IEEE Robotics and Automation Letters, 2016, 1, 508-515.	5.1	33
62	Design of parallel-jaw gripper tip surfaces for robust grasping. , 2017, , .		33
63	Safety Augmented Value Estimation From Demonstrations (SAVED): Safe Deep Model-Based RL for Sparse Cost Robotic Tasks. IEEE Robotics and Automation Letters, 2020, 5, 3612-3619.	5.1	33
64	Comparing human-centric and robot-centric sampling for robot deep learning from demonstrations. , 2017, , .		32
65	Applying machine learning to predict future adherence to physical activity programs. BMC Medical Informatics and Decision Making, 2019, 19, 169.	3.0	32
66	Active exploration using trajectory optimization for robotic grasping in the presence of occlusions. , 2015, , .		31
67	Motion planning for steerable needles in 3D environments with obstacles using rapidly-exploring Random Trees and backchaining. , 2008, , .		29
68	Guiding medical needles using single-point tissue manipulation. , 2009, , .		29
69	Sigma hulls for Gaussian belief space planning for imprecise articulated robots amid obstacles. , 2013, , .		29
70	Deep learning can accelerate grasp-optimized motion planning. Science Robotics, 2020, 5, .	17.6	27
71	Cloud-Based Grasp Analysis and Planning for Toleranced Parts Using Parallelized Monte Carlo Sampling. IEEE Transactions on Automation Science and Engineering, 2015, 12, 455-470.	5.2	25
72	SHIV: Reducing supervisor burden in DAgger using support vectors for efficient learning from demonstrations in high dimensional state spaces. , 2016, , .		25

#	Article	IF	Citations
73	A Fog Robotic System for Dynamic Visual Servoing. , 2019, , .		25
74	The 2-Center Problem with Obstacles. Journal of Algorithms, 2002, 42, 109-134.	0.9	24
75	Efficiently Calibrating Cable-Driven Surgical Robots With RGBD Fiducial Sensing and Recurrent Neural Networks. IEEE Robotics and Automation Letters, 2020, 5, 5937-5944.	5.1	24
76	Eigentaste 5.0. , 2007, , .		23
77	NPIP: A skew line needle configuration optimization system for HDR brachytherapy. Medical Physics, 2012, 39, 4339-4346.	3.0	23
78	A cloud robot system using the dexterity network and berkeley robotics and automation as a service (Brass). , 2017, , .		22
79	Learning Dense Visual Correspondences in Simulation to Smooth and Fold Real Fabrics. , 2021, , .		22
80	Towards Automating Precision Irrigation: Deep Learning to Infer Local Soil Moisture Conditions from Synthetic Aerial Agricultural Images. , 2018, , .		21
81	Objectively Measured Baseline Physical Activity Patterns in Women in the mPED Trial: Cluster Analysis. JMIR Public Health and Surveillance, 2018, 4, e10.	2.6	21
82	Surgical retraction of non-uniform deformable layers of tissue: 2D robot grasping and path planning. , 2009, 2009, 4092-4097.		20
83	Potential-based bounded-cost search and Anytime Non-Parametric A^{*}. Artificial Intelligence, 2014, 214, 1-25.	5.8	20
84	Multi-armed bandit models for 2D grasp planning with uncertainty. , 2015, , .		20
85	An interchangeable surgical instrument system with application to supervised automation of multilateral tumor resection. , 2016, , .		20
86	Transition State Clustering: Unsupervised Surgical Trajectory Segmentation for Robot Learning. Springer Proceedings in Advanced Robotics, 2018, , 91-110.	1.3	20
87	Applying Depth-Sensing to Automated Surgical Manipulation with a da Vinci Robot. , 2020, , .		20
88	Guest Editorial Open Discussion of Robot Grasping Benchmarks, Protocols, and Metrics. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1440-1442.	5.2	19
89	GOMP: Grasp-Optimized Motion Planning for Bin Picking. , 2020, , .		19
90	Multirobot Routing Algorithms for Robots Operating in Vineyards. IEEE Transactions on Automation Science and Engineering, 2020, , 1-11.	5.2	19

#	Article	IF	Citations
91	X-Ray: Mechanical Search for an Occluded Object by Minimizing Support of Learned Occupancy Distributions. , 2020, , .		19
92	Deep Transfer Learning ofÂPick Points onÂFabric forÂRobot Bed-Making. Springer Proceedings in Advanced Robotics, 2022, , 275-290.	1.3	18
93	Designing robot grippers: optimal edge contacts for part alignment. Robotica, 2006, 25, 341-349.	1.9	17
94	IMMOBILIZING HINGED POLYGONS. International Journal of Computational Geometry and Applications, 2007, 17, 45-69.	0.5	17
95	Planning fireworks trajectories for steerable medical needles to reduce patient trauma. , 2009, , 4517-4522.		17
96	A paced shared-control teleoperated architecture for supervised automation of multilateral surgical tasks. , 2015, , .		17
97	Industrial Robot Grasping with Deep Learning using a Programmable Logic Controller (PLC). , 2020, , .		17
98	RILaaS: Robot Inference and Learning as a Service. IEEE Robotics and Automation Letters, 2020, 5, 4423-4430.	5.1	17
99	Tuning robotic part feeder parameters to maximize throughput. Assembly Automation, 1999, 19, 216-221.	1.7	16
100	Gaussian belief space planning with discontinuities in sensing domains. , 2014, , .		16
101	Two Large Open-Access Datasets for Fittsâ€™ Law of Human Motion and a Succinct Derivation of the Square-Root Variant. IEEE Transactions on Human-Machine Systems, 2015, 45, 62-73.	3.5	16
102	PrivateClean. , 2016, , .		16
103	Beyond the Web: manipulating the real world. Computer Networks, 1995, 28, 209-219.	1.0	15
104	Computing tolerance parameters for fixturing and feeding. Assembly Automation, 2002, 22, 163-172.	1.7	15
105	Estimating part tolerance bounds based on adaptive Cloud-based grasp planning with slip. , 2012, , .		15
106	Planning Curvature and Torsion Constrained Ribbons in 3D With Application to Intracavitary Brachytherapy. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1332-1345.	5.2	15
107	VisuoSpatial Foresight for physical sequential fabric manipulation. Autonomous Robots, 2022, 46, 175-199.	4.8	15
108	Planning locally optimal, curvature-constrained trajectories in 3D using sequential convex optimization. , 2014, , .		14

#	Article	IF	Citations
109	Topological trajectory clustering with relative persistent homology. , 2016, , .		14
110	Large-scale supervised learning of the grasp robustness of surface patch pairs. , 2016, , .		14
111	Adversarial Grasp Objects. , 2019, , .		14
112	Constant-Curvature Motion Planning Under Uncertainty with Applications in Image-Guided Medical Needle Steering. Springer Tracts in Advanced Robotics, 2008, , 319-334.	0.4	14
113	Intermittent Visual Servoing: Efficiently Learning Policies Robust to Instrument Changes for High-precision Surgical Manipulation. , 2021, , .		14
114	Pin design for part feeding. Robotica, 2001, 19, 695-702.	1.9	13
115	Nonparametric belief propagation for distributed tracking of robot networks with noisy inter-distance measurements. , 2009, , .		13
116	Automated Extraction of Surgical Needles from Tissue Phantoms. , 2019, , .		13
117	Algorithms for Visual Tracking of Visitors Under Variable-Lighting Conditions for a Responsive Audio Art Installation. , 2014, , 181-204.		13
118	Robots of the Lost Arc: Self-Supervised Learning to Dynamically Manipulate Fixed-Endpoint Cables. , 2021, , .		13
119	Simulating needle insertion and radioactive seed implantation for prostate brachytherapy. Studies in Health Technology and Informatics, 2003, 94, 19-25.	0.3	13
120	Hydra: A framework and algorithms for mixed-initiative UAV-assisted search and rescue. , 2008, , .		12
121	The diversity donut. , 2011, , .		12
122	An algorithm for computing customized 3D printed implants with curvature constrained channels for enhancing intracavitary brachytherapy radiation delivery. , 2013, , .		12
123	Robot-Guided Open-Loop Insertion of Skew-Line Needle Arrangements for High Dose Rate Brachytherapy. IEEE Transactions on Automation Science and Engineering, 2013, 10, 948-956.	5.2	12
124	Real2Sim2Real: Self-Supervised Learning of Physical Single-Step Dynamic Actions for Planar Robot Casting. , 2022, , .		12
125	Automated Intruder Tracking using Particle Filtering and a Network of Binary Motion Sensors. , 2006, , .		11
126	Systems, control models, and codec for collaborative observation of remote environments with anÂautonomous networked robotic camera. Autonomous Robots, 2008, 24, 435-449.	4.8	11

#	Article	IF	Citations
127	A Constraint-Aware Motion Planning Algorithm for Robotic Folding of Clothes. Springer Tracts in Advanced Robotics, 2013, , 547-562.	0.4	11
128	Learning to Localize, Grasp, and Hand Over Unmodified Surgical Needles. , 2022, , .		11
129	Automated Tracking of Pallets in Warehouses: Beacon Layout and Asymmetric Ultrasound Observation Models. , 2007, , .		10
130	The Slip-Pad: A haptic display using interleaved belts to simulate lateral and rotational slip. , 2015, , .		10
131	High-dimensional Winding-Augmented Motion Planning with 2D topological task projections and persistent homology. , 2016, , .		10
132	Dex-Net as a Service (DNaaS): A Cloud-Based Robust Robot Grasp Planning System. , 2018, , .		10
133	Multi-Task Hierarchical Imitation Learning for Home Automation. , 2019, , .		10
134	Synthesis of Energy-Bounded Planar Caging Grasps Using Persistent Homology. IEEE Transactions on Automation Science and Engineering, 2018, 15, 908-918.	5.2	9
135	Blades for feeding 3D parts on vibratory tracks. Assembly Automation, 2006, 26, 221-226.	1.7	8
136	System and algorithms for an autonomous observatory assisting the search for the Ivory-Billed Woodpecker. , 2008, , .		8
137	GOMP-FIT: Grasp-Optimized Motion Planning for Fast Inertial Transport. , 2022, , .		8
138	Optimizing robotic part feeder throughput with queueing theory. Assembly Automation, 2007, 27, 134-140.	1.7	7
139	A Networked Telerobotic Observatory for Collaborative Remote Observation of Avian Activity and Range Change. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 56-61.	0.4	7
140	Models of human-centered automation in a debridement task. , 2015, , .		7
141	M-CAFE. , 2015, , .		7
142	Privacy-preserving Grasp Planning in the Cloud. , 2016, , .		7
143	DATE: A handheld co-robotic device for automated tuning of emitters to enable precision irrigation. , 2016, , .		7
144	Automating Surgical Peg Transfer: Calibration With Deep Learning Can Exceed Speed, Accuracy, and Consistency of Humans. IEEE Transactions on Automation Science and Engineering, 2023, 20, 909-922.	5.2	7

#	Article	IF	Citations
145	Mechanical Search on Shelves using a Novel â€œBluctionâ€•Tool. , 2022, , .		7
146	Image registration for prostate MR spectroscopy using modeling and optimization of force and stiffness parameters. , 2004, 2004, 1722-5.		6
147	Fixtureâ€based industrial robot calibration for silicon wafer handling. Industrial Robot, 2005, 32, 43-48.	2.1	6
148	The arts, HCI, and innovation policy discourse. , 2012, , .		6
149	Simulating Polyculture Farming to Tune Automation Policies for Plant Diversity and Precision Irrigation. , 2020, , .		6
150	Learning Seed Placements and Automation Policies for Polyculture Farming with Companion Plants. , 2021, , .		6
151	Disentangling Dense Multi-Cable Knots. , 2021, , .		6
152	Simulating Polyculture Farming to Learn Automation Policies for Plant Diversity and Precision Irrigation. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1352-1364.	5.2	6
153	Virtual Reality in the Age of Telepresence. Convergence, 1998, 4, 33-37.	2.7	5
154	A Computer-Aided Design Tool in Java for Planar Gripper Design. Journal of Computing and Information Science in Engineering, 2004, 4, 43-48.	2.7	5
155	A Cloud-Based Robust Semaphore Mirroring System for Social Robots. , 2018, , .		5
156	Robust 2D Assembly Sequencing via Geometric Planning with Learned Scores. , 2019, , .		5
157	Mitigating Network Latency in Cloud-Based Teleoperation Using Motion Segmentation and Synthesis. Springer Proceedings in Advanced Robotics, 2022, , 906-921.	1.3	5
158	Aligning parts for micro assemblies. Assembly Automation, 2002, 22, 46-54.	1.7	4
159	Calibration of Wafer Handling Robots: A Fixturing Approach. , 2007, , .		4
160	Actuator networks for navigating an unmonitored mobile robot. , 2008, , .		4
161	A Case Study in Mobile-Optimized vs. Responsive Web Application Design. , 2015, , .		4
162	Occlusion-aware multi-robot 3D tracking. , 2016, , .		4

#	Article	IF	Citations
163	Partial Caging: A Clearance-Based Definition and Deep Learning. , 2019, , .		4
164	Dex-Net MM: Deep Grasping for Surface Decluttering with a Low-Precision Mobile Manipulator. , 2019, , .		4
165	Serverless Multi-Query Motion Planning for Fog Robotics. , 2021, , .		4
166	Networked Robotic Cameras for Collaborative Observation of Natural Environments. , 2007, , 510-519.		4
167	Networked Telerobots. , 2008, , 759-771.		3
168	Editorial: A Secret to Advancing Research and Increasing Citations to Your Papers. IEEE Transactions on Automation Science and Engineering, 2012, 9, 457-457.	5.2	3
169	Initial experiments toward automated robotic implantation of skew-line needle arrangements for HDR brachytherapy. , 2012, , .		3
170	An efficient proximity probing algorithm for metrology. , 2013, , .		3
171	Editorial Multiplicity Has More Potential Than Singularity. IEEE Transactions on Automation Science and Engineering, 2015, 12, 395-395.	5.2	3
172	Networked Robots. Springer Handbooks, 2016, , 1109-1134.	0.6	3
173	Editorial Fine-Tuning T-ASE. IEEE Transactions on Automation Science and Engineering, 2016, 13, 3-3.	5.2	3
174	Malasakit 1.0: A participatory online platform for crowdsourcing disaster risk reduction strategies in the philippines. , 2017, , .		3
175	RAPID-MOLT: A Meso-scale, Open-source, Low-cost Testbed for Robot Assisted Precision Irrigation and Delivery. , 2019, , .		3
176	Robust Toppling for Vacuum Suction Grasping. , 2019, , .		3
177	Non-Markov Policies to Reduce Sequential Failures in Robot Bin Picking. , 2020, , .		3
178	Exact and Distributed Algorithms for Collaborative Camera Control. Springer Tracts in Advanced Robotics, 2004, , 167-183.	0.4	3
179	IPC-GraspSim: Reducing the Sim2Real Gap for Parallel-Jaw Grasping with the Incremental Potential Contact Model. , 2022, , .		3
180	Automated Feeding of Industrial Parts with Modular Blades: Design Software, Physical Experiments, and an Improved Algorithm. , 2007, , .		2

#	Article	IF	Citations
181	DevCAFE 1.0: A participatory platform for assessing development initiatives in the field. , 2015, , .		2
182	Planning Curvature and Torsion Constrained Ribbons in 3D with Application toÂIntracavitary Brachytherapy. Springer Tracts in Advanced Robotics, 2015, , 535-552.	0.4	2
183	An algorithm and user study for teaching bilateral manipulation via iterated best response demonstrations. , 2017, , .		2
184	ABC-LMPC: Safe Sample-Based Learning MPC for Stochastic Nonlinear Dynamical Systems with Adjustable Boundary Conditions. Springer Proceedings in Advanced Robotics, 2021, , 1-17.	1.3	2
185	Partial caging: a clearance-based definition, datasets, and deep learning. Autonomous Robots, 2021, 45, 647-664.	4.8	2
186	M-CAFE 1.0. , 2015, , .		2
187	FixtureNet II: Interactive Redesign and Force Visualization on the Web. , 1997, , .		2
188	REACH: Reducing False Negatives inÂRobot Grasp Planning withÂaÂRobust Efficient Area Contact Hypothesis Model. Springer Proceedings in Advanced Robotics, 2022, , 757-772.	1.3	2
189	Five years of <i>Science Robotics</i>. Science Robotics, 2021, 6, eabn2720.	17.6	2
190	Collaborative tele-directing. , 2001, , .		1
191	Donation dashboard. , 2009, , .		1
192	What Is Automation? [Editor's Corner]. IEEE Robotics and Automation Magazine, 2012, 19, 101-102.	2.0	1
193	IEEE RAS and the African Robotics Network: The 2014 UltraAffordable Educational Robot Challenge [Competitions]. IEEE Robotics and Automation Magazine, 2013, 20, 13-14.	2.0	1
194	Exact reachability analysis for planning skew-line needle arrangements for automated brachytherapy. , 2014, , .		1
195	Navigating the New RAS Publications Landscape [From the Editors' Desks]. IEEE Robotics and Automation Magazine, 2015, 22, 4-163.	2.0	1
196	A Geometric Approach to Robotic LaundryÂFolding1. , 2015, , 357-395.		1
197	Malasakit 2.0: A Participatory Online Platform with Feature Phone Integration and Voice Recognition for Crowdsourcing Disaster Risk Reduction Strategies in the Philippines. , 2018, , .		1
198	Getting a grip on reality. Science Robotics, 2021, 6, .	17.6	1

#	Article	IF	Citations
199	SWIRL: A SequentialWindowed Inverse Reinforcement Learning Algorithm for Robot Tasks With Delayed Rewards. Springer Proceedings in Advanced Robotics, 2020, , 672-687.	1.3	1
200	Comparison of novel shielded nasopharynx applicator designs for intracavitary brachytherapy. Brachytherapy, 2022, 21, 229-237.	0.5	1
201	LEGS: Learning Efficient Grasp Sets for Exploratory Grasping. , 2022, , .		1
202	Guest Editorial: Special Issue on Internet and Online Robots. Autonomous Robots, 2003, 15, 211-212.	4.8	0
203	Editorial [intro. to Guest Editorial by Prof. Raff D'Andrea]. IEEE Transactions on Automation Science and Engineering, 2012, 9, 637-637.	5.2	0
204	Editorial: Tracking T-ASE Inventory by Methodology and Application. IEEE Transactions on Automation Science and Engineering, 2012, 9, 213-214.	5.2	0
205	In Memoriam Richard A. (Dick) Volz. IEEE Transactions on Automation Science and Engineering, 2013, 10, 839-839.	5.2	0
206	Emerging Advances in Automation [From the Guest Editors]. IEEE Robotics and Automation Magazine, 2015, 22, 22-98.	2.0	0
207	Efficient Proximity Probing Algorithms for Metrology. IEEE Transactions on Automation Science and Engineering, 2015, 12, 84-95.	5.2	0
208	M-CAFE 2.0. , 2017, , .		0
209	Synthesis of Energy-Bounded Planar Caging Grasps using Persistent Homology. Springer Proceedings in Advanced Robotics, 2020, , 416-431.	1.3	0