Sergey Levine

List of Publications by Year
in descending order

31	2,616	1307594 7	1588992 8
papers	citations	h-index	g-index

31	31	31	2135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep visual foresight for planning robot motion. , 2017, , .		292
2	Learning deep control policies for autonomous aerial vehicles with MPC-guided policy search. , 2016, , .		236
3	CAD2RL: Real Single-Image Flight Without a Single Real Image. , 0, , .		227
4	Deep spatial autoencoders for visuomotor learning. , 2016, , .		205
5	More Than a Feeling: Learning to Grasp and Regrasp Using Vision and Touch. IEEE Robotics and Automation Letters, 2018, 3, 3300-3307.	5.1	193
6	Learning contact-rich manipulation skills with guided policy search. , 2015, , .		161
7	Self-Supervised Deep Reinforcement Learning with Generalized Computation Graphs for Robot Navigation. , 2018, , .		154
8	One-Shot Imitation from Observing Humans via Domain-Adaptive Meta-Learning. , 0, , .		121
9	BADGR: An Autonomous Self-Supervised Learning-Based Navigation System. IEEE Robotics and Automation Letters, 2021, 6, 1312-1319.	5.1	103
10	Optimal control with learned local models: Application to dexterous manipulation. , 2016, , .		100
11	Imitation from Observation: Learning to Imitate Behaviors from Raw Video via Context Translation. , 2018, , .		99
12	Low-Level Control of a Quadrotor With Deep Model-Based Reinforcement Learning. IEEE Robotics and Automation Letters, 2019, 4, 4224-4230.	5.1	93
13	Learning dexterous manipulation for a soft robotic hand from human demonstrations. , 2016, , .		91
14	Learning force-based manipulation of deformable objects from multiple demonstrations. , 2015, , .		83
15	One-shot learning of manipulation skills with online dynamics adaptation and neural network priors. , 2016, , .		54
16	OmniTact: A Multi-Directional High-Resolution Touch Sensor. , 2020, , .		51
17	Deep reinforcement learning for tensegrity robot locomotion. , 2017, , .		50
18	Deep reinforcement learning for modeling human locomotion control in neuromechanical simulation. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 126.	4.6	45

#	Article	IF	Citations
19	Learning deep neural network policies with continuous memory states. , 2016, , .		40
20	Deep Object-Centric Representations for Generalizable Robot Learning. , 2018, , .		33
21	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
22	Improvisation through Physical Understanding: Using Novel Objects As Tools with Visual Foresight. , 0, , .		29
23	LaND: Learning to Navigate From Disengagements. IEEE Robotics and Automation Letters, 2021, 6, 1872-1879.	5.1	21
24	Learning Flexible and Reusable Locomotion Primitives for a Microrobot. IEEE Robotics and Automation Letters, 2018, 3, 1904-1911.	5.1	20
25	Model-based reinforcement learning with parametrized physical models and optimism-driven exploration. , 2016, , .		17
26	Reset-free guided policy search: Efficient deep reinforcement learning with stochastic initial states. , 2017, , .		16
27	Optimism-driven exploration for nonlinear systems. , 2015, , .		15
28	Learning from multiple demonstrations using trajectory-aware non-rigid registration with applications to deformable object manipulation. , 2015, , .		15
29	Learning compound multi-step controllers under unknown dynamics. , 2015, , .		12
30	Learning Predictive Models from Observation and Interaction. Lecture Notes in Computer Science, 2020, , 708-725.	1.3	4
31	One-Shot Composition of Vision-Based Skills from Demonstration. , 2019, , .		3