

# Pradeep K Khosla

## List of Publications by Year in descending order

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32  
papers

1,874  
citations

516710

16  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feedforward Controller With Inverse Rate-Dependent Model for Piezoelectric Actuators in Trajectory-Tracking Applications. IEEE/ASME Transactions on Mechatronics, 2007, 12, 134-142.	5.8	285
2	Parameter identification of robot dynamics. , 1985, , .		261
3	Experimental Evaluation of Nonlinear Feedback and Feedforward Control Schemes for Manipulators. International Journal of Robotics Research, 1988, 7, 18-28.	8.5	213
4	Heterogeneous Teams of Modular Robots for Mapping and Exploration. Autonomous Robots, 2000, 8, 293-308.	4.8	134
5	Kinematic Design of Serial Link Manipulators From Task Specifications. International Journal of Robotics Research, 1993, 12, 274-287.	8.5	121
6	Modeling and Simulation Methods for Design of Engineering Systems. Journal of Computing and Information Science in Engineering, 2001, 1, 84-91.	2.7	100
7	A rapidly deployable manipulator system. Robotics and Autonomous Systems, 1997, 21, 289-304.	5.1	90
8	Mechanisms for detecting and handling timing errors. Communications of the ACM, 1997, 40, 87-93.	4.5	89
9	Nonlinear Regression Model of a Low-Cost MEMS Accelerometer. IEEE Sensors Journal, 2007, 7, 81-88.	4.7	80
10	Psychophysical Characterization and Testbed Validation of a Wearable Vibrotactile Glove for Telemanipulation. Presence: Teleoperators and Virtual Environments, 2003, 12, 156-182.	0.6	78
11	Using Tactile Data for Real-Time Feedback. International Journal of Robotics Research, 1991, 10, 88-102.	8.5	65
12	Kinematic design of fault tolerant manipulators. Computers and Electrical Engineering, 1994, 20, 211-220.	4.8	51
13	Designing Fault-Tolerant Manipulators: How Many Degrees of Freedom?. International Journal of Robotics Research, 1996, 15, 611-628.	8.5	51
14	Automatic generation of forward and inverse kinematics for a reconfigurable modular manipulator system. Journal of Field Robotics, 1990, 7, 599-619.	0.7	43
15	Computational requirements of customized Newton-Euler algorithms. Journal of Field Robotics, 1985, 2, 309-327.	0.7	39
16	THE CHIMERA METHODOLOGY: DESIGNING DYNAMICALLY RECONFIGURABLE AND REUSABLE REAL-TIME SOFTWARE USING PORT-BASED OBJECTS. International Journal of Software Engineering and Knowledge Engineering, 1996, 06, 249-277.	0.8	36
17	Fault tolerant task execution through global trajectory planning. Reliability Engineering and System Safety, 1996, 53, 225-235.	8.9	31
18	Identification of Robot Dynamics: An Application of Recursive Estimation. , 1986, , 175-194.		17

#	ARTICLE	IF	CITATIONS
19	Experimental Evaluation of the Feedforward Compensation and Computed-Torque Control Schemes. , 1986, , .		16
20	Visual servoing in the task-function framework: A contour following task. Journal of Intelligent and Robotic Systems: Theory and Applications, 1995, 12, 1-21.	3.4	15
21	Motion Planning for a Modular Self-Reconfiguring Robotic System. , 2000, , 165-175.		12
22	The use of active deformable models in model-based robotic visual servoing. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 17, 195-221.	3.4	10
23	The Sensing Capacity of Sensor Networks. IEEE Transactions on Information Theory, 2011, 57, 1675-1691.	2.4	8
24	Capturing Articulation in Assemblies From Component Geometry. , 1998, , .		8
25	The modified adaptive Hough transform (MAHT). Journal of Field Robotics, 1990, 7, 277-290.	0.7	7
26	Vision resolvability for visually servoed manipulation. Journal of Field Robotics, 1996, 13, 75-93.	0.7	7
27	Dynamic Task Selection: A Simple Structure for Multirobot Systems. , 2000, , 483-484.		3
28	Effect of Sampling Rates on the Performance of Model-Based Control Schemes. , 1989, , 271-284.		2
29	A Robotic Method for Creating Radiation Maps Using Mercuric Iodide Sensor. Materials Research Society Symposia Proceedings, 1993, 302, 55.	0.1	1
30	Applying the Controlled Active Vision Framework to the Visual Servoing Problem. , 1993, , .		1
31	Title is missing!. Autonomous Robots, 1999, 7, 159-173.	4.8	0
32	Crucial Factors Affecting Cooperative Multirobot Learning. Intelligent Automation and Soft Computing, 2004, 10, 323-335.	2.1	0