

# Xin Dai

## List of Publications by Year in descending order

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17  
papers

175  
citations

1163117

8  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational formulation of a hybrid perspective shape from shading model. <i>Visual Computer</i> , 2022, 38, 1469-1482.	3.5	4
2	An image-guided hybrid robot system for dental implant surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 15-26.	2.8	22
3	Fusion of sparse LIDAR and uncertainty-based 3D vision for accurate depth estimation with Bayesian Kriging. <i>Optical Engineering</i> , 2022, 61, .	1.0	0
4	3D reconstruction of non-textured surface by combining shape from shading and stereovision. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 185, 110029.	5.0	9
5	Planning of safe working space for the hot-line working robot ICBot. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 61, 97-110.	0.6	2
6	Operation Safety Analysis and Protection of Hot-line Working Robot in Strong Electric Field. , 2019, , .		1
7	Analytical Modeling of Axial-Flux Permanent Magnet Eddy Current Couplings With a Slotted Conductor Topology. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-15.	2.1	58
8	A Critical Characteristic in the Transverse Galloping Pattern. <i>Applied Bionics and Biomechanics</i> , 2015, 2015, 1-16.	1.1	2
9	The effect of spine on the bounding dynamic performance of legged system. <i>Advanced Robotics</i> , 2015, 29, 973-987.	1.8	11
10	Analytical Modeling of an Eddy-current Adjustable-speed Coupling System with a Three-segment Halbach Magnet Array. <i>Electric Power Components and Systems</i> , 2015, 43, 1891-1901.	1.8	24
11	Vision-based force measurement using geometric moment invariants. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2012, 226, 2589-2601.	2.1	1
12	The effect of body pitching on leg-spring behavior in quadruped running. <i>Journal of Bionic Engineering</i> , 2010, 7, 219-227.	5.0	8
13	Development of a Novel Live-Line Inspection Robot System for Post Insulators at 220-kV Substations. <i>Advanced Robotics</i> , 2010, 24, 559-583.	1.8	11
14	Modification of the weak form to enforce electromagnetic field interface conditions in element-free Galerkin method. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009, 31, 127-145.	0.6	1
15	Modeling the Static Vertical Force of the Core-Type Permanent-Magnet Planar Motor. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4653-4658.	2.1	14
16	Hydrodynamic modelling and CFD simulation of ferrofluids flow in magnetic targeting drug delivery. <i>International Journal of Computational Fluid Dynamics</i> , 2008, 22, 659-667.	1.2	7
17	Barcode-based position control servo for high-speed conditions. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2007, 2, 186-191.	0.6	0