

Xin Dai

List of Publications by Year in descending order

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