Yongshun Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3815147/publications.pdf

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22	238	1163117 8	996975 15
papers	citations	h-index	g-index

22	22	22	148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and implementation of a highly integrated dual hemisphere capsule robot. Biomedical Microdevices, 2022, 24, 10.	2.8	3
2	Posture Dynamic Modeling and Stability Analysis of a Magnetic Driven Dual-Spin Spherical Capsule Robot. Micromachines, 2021, 12, 238.	2.9	5
3	Polynomial profile optimization method of a magnetic petal-shaped capsule robot. Mechatronics, 2020, 65, 102309.	3.3	9
4	Dynamic Characteristics Analysis of A Magnetically Driven Dual Hemisphere Capsule Robot by Eccentric Gravity Center. , 2020, , .		0
5	Self-centering characteristics of a petal-shaped capsule robot. Science China Technological Sciences, 2019, 62, 619-627.	4.0	7
6	Polarization Criteria Detection of a Generalized Spatial Universal Rotating Magnetic Vector. IEEE Transactions on Magnetics, 2018, 54, 1-8.	2.1	4
7	Orthogonal transformation operation theorem of a spatial universal uniform rotating magnetic field and its application in capsule endoscopy. Science China Technological Sciences, 2017, 60, 854-864.	4.0	10
8	Petal-shaped Capsule Robot with High Performance. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2017, 53, 9.	0.5	3
9	Magnitude and Orientation Error Correction of a Superimposed Spatial Universal Rotating Magnetic Vector. IEEE Transactions on Magnetics, 2016, 52, 1-9.	2.1	15
10	Critical Coupling Magnetic Moment of a Petal-Shaped Capsule Robot. IEEE Transactions on Magnetics, 2016, 52, 1-9.	2.1	13
11	Trafficability Characteristic and Magnetic Vector Control of a Capsule Robot in Bending Environment. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2014, 50, 26.	0.5	5
12	Control theorem of a universal uniform-rotating magnetic vector for capsule robot in curved environment. Science China Technological Sciences, 2013, 56, 359-368.	4.0	20
13	Design, analysis and experiments of a spatial universal rotating magnetic field system for capsule robot. , 2012, , .		16
14	Following-up Steering Dynamic Model of an Intestinal Capsule Robot. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2012, 48, 84.	0.5	6
15	A Variable-Diameter Capsule Robot Based on Multiple Wedge Effects. IEEE/ASME Transactions on Mechatronics, 2011, 16, 241-254.	5.8	53
16	Control strategy for multiple capsule robots in intestine. Science China Technological Sciences, 2011, 54, 3098-3108.	4.0	8
17	Dynamic characteristics of an intestine capsule robot with variable diameter. Science Bulletin, 2010, 55, 1813-1821.	1.7	12
18	Characteristics of Magnetic Torque of a Capsule Micro Robot Applied in Intestine. IEEE Transactions on Magnetics, 2009, 45, 2128-2135.	2.1	12

#	Article	IF	Citations
19	Characteristics of spatial magnetic torque of an intestine capsule micro robot with a variable diameter. Science in China Series D: Earth Sciences, 2009, 52, 2079-2086.	0.9	5
20	Design Optimization of a Bidirectional Microswimming Robot Using Giant Magnetostrictive Thin Films. IEEE/ASME Transactions on Mechatronics, 2009, 14, 493-503.	5.8	24
21	Kinematics Characteristics of a New Capsule-type Micro Robot in Intestine. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 18.	0.5	7
22	Geometrical nonlinear deformation model and its experimental study on bimorph giant magnetostrictive thin film. Frontiers of Mechanical Engineering in China, 2008, 3, 313-317.	0.4	1