



Prof. Youmin Zhang

Concordia University, Montreal
, Canada

Fault Detection & Diagnosis (FDD)
Fault-Tolerant Control (FTC)
Unmanned Systems (UAV/UGV/USV)
Air/Space-craft/Smart Grids

GET MY OWN PROFILE

	All	Since 2013
Citations	10564	6642
h-index	46	40
i10-index	167	129

TITLE	CITED BY	YEAR
Bibliographical review on reconfigurable fault-tolerant control systems Y Zhang, J Jiang Annual reviews in control 32 (2), 229-252	1619	2008
Multiple-model estimation with variable structure XR Li, Y Bar-Shalom IEEE Transactions on Automatic control 41 (4), 478-493	747 *	1996
Bibliographical review on reconfigurable fault-tolerant control systems Y Zhang, J Jiang IFAC Proceedings Volumes 36 (5), 257-268	343	2003
Active fault tolerant control systems: stochastic analysis and synthesis M Mahmoud, J Jiang, Y Zhang Springer Science & Business Media	322	2003
Detection and diagnosis of sensor and actuator failures using IMM estimator Y Zhang, XR Li IEEE Transactions on aerospace and electronic systems 34 (4), 1293-1313	320	1998
Integrated active fault-tolerant control using IMM approach Y Zhang, J Jiang IEEE Transactions on Aerospace and Electronic systems 37 (4), 1221-1235	300	2001
Active fault-tolerant control system against partial actuator failures YM Zhang, J Jiang IEE proceedings-Control Theory and applications 149 (1), 95-104	289	2002
Detection, estimation, and accommodation of loss of control effectiveness N Eva Wu, Y Zhang, K Zhou International Journal of adaptive control and signal processing 14 (7), 775-795	245	2000
Fault tolerant control system design with explicit consideration of performance degradation Y Zhang, J Jiang IEEE Transactions on Aerospace and Electronic Systems 39 (3), 838-848	212	2003
Adaptive sliding mode fault tolerant attitude tracking control for flexible spacecraft under actuator saturation B Xiao, Q Hu, Y Zhang IEEE Transactions on Control Systems Technology 20 (6), 1605-1612	183	2012
Multiple-model estimation with variable structure. III. Model-group switching algorithm XR Li, X Zwi, Y Zwang IEEE Transactions on Aerospace and Electronic Systems 35 (1), 225-241	483	1999

TITLE	CITED BY	YEAR
Cooperative path planning of unmanned aerial vehicles A Tsourdos, B White, M Shanmugavel John Wiley & Sons	179	2010
Integrated design of reconfigurable fault-tolerant control systems Y Zhang, J Jiang Journal of Guidance, control, and Dynamics 24 (1), 133-136	429	2001
Integrated design of reconfigurable fault-tolerant control systems Y Zhang, J Jiang Journal of Guidance, control, and Dynamics 24 (1), 133-136	129	2001
Multiple-model estimation with variable structure. V. Likely-model set algorithm XR Li, Y Zhang IEEE Transactions on Aerospace and Electronic Systems 36 (2), 448-466	126	2000
Fault tolerant control of a quadrotor UAV using sliding mode control F Sharifi, M Mirzaei, BW Gordon, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2010 Conference on, 239-244	119	2010
Accepting performance degradation in fault-tolerant control system design J Jiang, Y Zhang IEEE transactions on control systems technology 14 (2), 284-292	115	2006
Development of advanced FDD and FTC techniques with application to an unmanned quadrotor helicopter testbed YM Zhang, A Chamseddine, CA Rabbath, BW Gordon, CY Su, S Rakheja, ... Journal of the Franklin Institute 350 (9), 2396-2422	111	2013
Issues on integration of fault diagnosis and reconfigurable control in active fault-tolerant control systems Y Zhang, J Jiang Fault Detection, Supervision and Safety of Technical Processes 2006, 1437-1448	110	2007
Stochastic stability analysis of fault-tolerant control systems in the presence of noise M Mahmoud, J Jiang, Y Zhang IEEE Transactions on Automatic Control 46 (11), 1810-1815	105	2001
Sense and avoid technologies with applications to unmanned aircraft systems: Review and prospects X Yu, Y Zhang Progress in Aerospace Sciences 74, 152-166	86	2015
Novel recurrently mutated genes and a prognostic mutation signature in colorectal cancer J Yu, WKK Wu, X Li, J He, XX Li, SSM Ng, C Yu, Z Gao, J Yang, M Li, ... Gut, gutjnl-2013-306620	84	2014
Gut mucosal microbiome across stages of colorectal carcinogenesis G Nakatsu, X Li, H Zhou, J Sheng, SH Wong, WKK Wu, SC Ng, H Tsoi, ... Nature communications 6, 8727	80	2015
Flatness-based trajectory planning/replanning for a quadrotor unmanned aerial vehicle A Chamseddine, Y Zhang, CA Rabbath, C Join, D Theilliol IEEE Transactions on Aerospace and Electronic Systems 48 (4), 2832-2848	77	2012

TITLE	CITED BY	YEAR
Reconfigurable control allocation against aircraft control effector failures Y Zhang, VS Suresh, B Jiang, D Theilliol Control Applications, 2007. CCA 2007. IEEE International Conference on, 1197 ...	77	2007
A survey on technologies for automatic forest fire monitoring, detection, and fighting using unmanned aerial vehicles and remote sensing techniques C Yuan, Y Zhang, Z Liu Canadian journal of forest research 45 (7), 783-792	74	2015
Actuator fault tolerant control design based on a reconfigurable reference input D Theilliol, C Join, Y Zhang International Journal of Applied Mathematics and Computer Science 18 (4 ...	74	2008
Design of integrated fault detection, diagnosis and reconfigurable control systems Y Zhang, J Jiang Decision and Control, 1999. Proceedings of the 38th IEEE Conference on 4 ...	71	1999
An efficient model predictive control scheme for an unmanned quadrotor helicopter M Abdolhosseini, YM Zhang, CA Rabbath Journal of intelligent & robotic systems 70 (1-4), 27-38	70	2013
Fault-tolerant attitude control for flexible spacecraft without angular velocity magnitude measurement B Xiao, Q Hu, Y Zhang Journal of Guidance, Control, and Dynamics 34 (5), 1556-1561	66	2011
Experimental test of a two-stage Kalman filter for actuator fault detection and diagnosis of an unmanned quadrotor helicopter MH Amoozgar, A Chamseddine, Y Zhang Journal of Intelligent & Robotic Systems 70 (1-4), 107-117	64	2013
A revisit to block and recursive least squares for parameter estimation J Jiang, Y Zhang Computers & Electrical Engineering 30 (5), 403-416	64	2004
Fault-tolerant trajectory tracking control of a quadrotor helicopter using gain-scheduled PID and model reference adaptive control I Sadeghzadeh, A Mehta, Y Zhang, CA Rabbath Annual Conference of the Prognostics and Health Management Society 2	60	2011
Numerically robust implementation of multiple-model algorithms XR Li, Y Zhang IEEE Transactions on Aerospace and Electronic Systems 36 (1), 266-278	57	2000
Fuzzy gain-scheduled active fault-tolerant control of a wind turbine H Badihi, Y Zhang, H Hong Journal of the Franklin Institute 351 (7), 3677-3706	53	2014
Sensor fault masking of a ship propulsion system NE Wu, S Thavamani, Y Zhang, M Blanke Control Engineering Practice 14 (11), 1337-1345	52	2006

TITLE	CITED BY	YEAR
Robust attitude control design for spacecraft under assigned velocity and control constraints Q Hu, B Li, Y Zhang ISA transactions 52 (4), 480-493	51	2013
Sliding mode fault tolerant control dealing with modeling uncertainties and actuator faults T Wang, W Xie, Y Zhang ISA transactions 51 (3), 386-392	51	2012
Fault-tolerant tracking control of spacecraft with attitude-only measurement under actuator failures B Xiao, Q Hu, Y Zhang, X Huo Journal of Guidance, Control, and Dynamics 37 (3), 838-849	50	2014
Passive and active nonlinear fault-tolerant control of a quadrotor unmanned aerial vehicle based on the sliding mode control technique T Li, Y Zhang, BW Gordon Proceedings of the Institution of Mechanical Engineers, Part I: Journal of ...	50	2013
Fault-tolerant fuzzy gain-scheduled PID for a quadrotor helicopter testbed in the presence of actuator faults MH Amoozgar, A Chamseddine, Y Zhang IFAC Proceedings Volumes 45 (3), 282-287	50	2012
A fast UD factorization-based learning algorithm with applications to nonlinear system modeling and identification Y Zhang, XR Li IEEE Transactions on Neural Networks 10 (4), 930-938	50	1999
Detection and diagnosis of sensor and actuator failures using interacting multiple-model estimator Y Zhang, XR Li Decision and Control, 1997., Proceedings of the 36th IEEE Conference on 5 ...	49	1997
Unmanned surface vehicles: An overview of developments and challenges Z Liu, Y Zhang, X Yu, C Yuan Annual Reviews in Control 41, 71-93	47	2016
Fault tolerant flight control techniques with application to a quadrotor UAV testbed Y Zhang, A Chamseddine Automatic Flight Control Systems-Latest Developments	47	2012
Adaptive integral-type sliding mode control for spacecraft attitude maneuvering under actuator stuck failures HU Qinglei, Y Zhang, HUO Xing, X Bing Chinese Journal of Aeronautics 24 (1), 32-45	46	2011
Fault tolerant model predictive control of quad-rotor helicopters with actuator fault estimation HA Izadi, Y Zhang, BW Gordon IFAC Proceedings Volumes 44 (1), 6343-6348	46	2011

TITLE	CITED BY	YEAR
Gain scheduling based pid controller for fault tolerant control of quad-rotor uav A Milhim, Y Zhang, CA Rabbath AIAA infotech@ aerospace 2010, 3530	46	2010
Integrative identification of Epstein–Barr virus–associated mutations and epigenetic alterations in gastric cancer Q Liang, X Yao, S Tang, J Zhang, TO Yau, X Li, CM Tang, W Kang, ... Gastroenterology 147 (6), 1350-1362. e4	45	2014
A survey on multiple unmanned vehicles formation control and coordination: Normal and fault situations Y Zhang, H Mehrjerdi Unmanned Aircraft Systems (ICUAS), 2013 International Conference on, 1087-1096	45	2013
Active fault-tolerant control system design with trajectory re-planning against actuator faults and saturation: Application to a quadrotor unmanned aerial vehicle A Chamseddine, D Theilliol, YM Zhang, C Join, CA Rabbath International Journal of Adaptive Control and Signal Processing 29 (1), 1-23	44	2015
Enhancement of surface graft density of MPEG on alginate/chitosan hydrogel microcapsules for protein repellency J Zheng, H Xie, W Yu, M Tan, F Gong, X Liu, F Wang, G Lv, W Liu, ... Langmuir 28 (37), 13261-13273	44	2012
Design of feedback linearization control and reconfigurable control allocation with application to a quadrotor UAV QL Zhou, Y Zhang, CA Rabbath, D Theilliol Control and Fault-Tolerant Systems (SysTol), 2010 Conference on, 371-376	44	2010
Active fault tolerant control of a quadrotor uav based on gainscheduled pid control I Sadeghzadeh, A Mehta, A Chamseddine, Y Zhang Electrical & Computer Engineering (CCECE), 2012 25th IEEE Canadian ...	40	2012
A review on fault-tolerant control for unmanned aerial vehicles (UAVs) I Sadeghzadeh, Y Zhang Infotech@ Aerospace 2011, 1472	40	2011
Stabilization of active fault tolerant control systems with imperfect fault detection and diagnosis M Mahmoud, J Jiang, Y Zhang Taylor & Francis Group 21 (3), 673-701	37	2003
A novel variable-length sliding window blockwise least-squares algorithm for on-line estimation of time-varying parameters J Jiang, Y Zhang International journal of adaptive control and signal processing 18 (6), 505-521	36	2004
A study of Fe-Ni-B ultrafine alloy particles produced by reduction with borohydride Z Hu, Y Hsia, J Zheng, J Shen, Q Yan, L Dai Journal of applied physics 70 (1), 436-438	35	1991

TITLE	CITED BY	YEAR
Finite-time attitude tracking of spacecraft with fault-tolerant capability B Xiao, Q Hu, Y Zhang IEEE Transactions on Control Systems Technology 23 (4), 1338-1350	34	2015
Analysis of the stochastic stability for fault tolerant control systems M Mahmoud, J Jiang, Y Zhang Decision and Control, 1999. Proceedings of the 38th IEEE Conference on 4 ...	33	1999
Fault recoverability and fault tolerant control for a class of interconnected nonlinear systems H Yang, B Jiang, M Staroswiecki, Y Zhang Automatica 54, 49-55	32	2015
Control effectiveness estimation using an adaptive Kalman estimator NE Wu, Y Zhang, K Zhou Intelligent Control (ISIC), 1998. Held jointly with IEEE International ...	30	1998
Fault-tolerant attitude stabilization for satellites without rate sensor B Xiao, M Huo, X Yang, Y Zhang IEEE Transactions on Industrial Electronics 62 (11), 7191-7202	29	2015
A review of optimal control techniques applied to the energy management and control of microgrids LI Minchala-Avila, LE Garza-Castañón, A Vargas-Martínez, Y Zhang Procedia Computer Science 52, 780-787	29	2015
A review on fault diagnosis and fault tolerant control methods for single-rotor aerial vehicles X Qi, J Qi, D Theilliol, Y Zhang, J Han, D Song, CS Hua Journal of Intelligent & Robotic Systems 73 (1-4), 535-555	29	2014
Robust fault-tolerant control against time-varying actuator faults and saturation JH Fan, YM Zhang, ZQ Zheng IET Control Theory & Applications 6 (14), 2198-2208	29	2012
Tolerance of intermittent faults in spacecraft attitude control: switched system approach H Yang, B Jiang, Y Zhang IET Control Theory & Applications 6 (13), 2049-2056	29	2012
Wind turbine fault diagnosis and fault-tolerant torque load control against actuator faults H Badihi, Y Zhang, H Hong IEEE Transactions on Control Systems Technology 23 (4), 1351-1372	28	2015
Reliable control of a class of switched cascade nonlinear systems with its application to flight control Y Jin, J Fu, Y Zhang, Y Jing Nonlinear Analysis: Hybrid Systems 11, 11-21	28	2014
Model reference adaptive fault tolerant control of a quadrotor UAV A Chamseddine, Y Zhang, CA Rabbath, J Apkarian, C Fulford Infotech@ Aerospace 2011, 1606	28	2011

TITLE	CITED BY	YEAR
Fault Tolerant Control System Design: A Reconfiguratin Strategy Based on Reliability Analysis Under Dynamic Behavior Constraints F Guenab, D Theilliol, P Weber, YM Zhang, D Sauter Fault Detection, Supervision and Safety of Technical Processes 2006, 1312-1317	28	2007
Fault-tolerant formation control of multiple UAVs in the presence of actuator faults X Yu, Z Liu, Y Zhang International Journal of Robust and Nonlinear Control 26 (12), 2668-2685	27	2016
Prestack depth migration with common-shot and synthesis-shot records G Zhang, W Zhang, X Hao 1999 SEG Annual Meeting	27	1999
Fault/damage tolerant control of a quadrotor helicopter UAV using model reference adaptive control and gain-scheduled PID I Sadeghzadeh, A Mehta, Y Zhang AIAA Guidance, Navigation, and Control Conference, 6716	26	2011
Design of a fault tolerant control system incorporating reliability analysis and dynamic behaviour constraints F Guenab, P Weber, D Theilliol, YM Zhang International Journal of Systems Science 42 (1), 219-233	26	2011
Identification of genes differentially expressed in vivo by Metarhizium anisopliae in the hemolymph of Locusta migratoria using suppression-subtractive hybridization C Zhang, Y Xia Current genetics 55 (4), 399-407	26	2009
UAV-based forest fire detection and tracking using image processing techniques C Yuan, Z Liu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 639-643	25	2015
Tracking control of spacecraft formation flying with collision avoidance Q Hu, H Dong, Y Zhang, G Ma Aerospace Science and Technology 42, 353-364	25	2015
Peroxisome proliferator activated receptor alpha inhibits hepatocarcinogenesis through mediating NF-κB signaling pathway N Zhang, ESH Chu, J Zhang, X Li, Q Liang, J Chen, M Chen, N Teoh, ... Oncotarget 5 (18), 8330	25	2014
Fault-tolerant control for quadrotor UAV via backstepping approach X Zhang, Y Zhang, CY Su, Y Feng 48th AIAA aerospace sciences meeting including the new horizons forum and ...	25	2010
Reconfigurable control allocation applied to an aircraft benchmark model Y Zhang, CA Rabbath, CY Su American Control Conference, 2008, 1052-1057	25	2008
Incorporating performance degradation in fault tolerant control system design with multiple actuator failures Y Zhang, J Jiang, D Theilliol International Journal of Control, Automation, and Systems 6 (3), 327-338	25	2008

TITLE	CITED BY	YEAR
Fault tolerant formations control of UAVs subject to permanent and intermittent faults Q Xu, H Yang, B Jiang, D Zhou, Y Zhang Journal of Intelligent & Robotic Systems 73 (1-4), 589-602	24	2014
Stochastic stability analysis for fault tolerant control systems with multiple failure processes M Mahmoud, J Jiang, YM Zhang International Journal of Systems Science 33 (1), 55-65	24	2002
Comparison of the surface hardness among 3 materials used in an experimental apexification model under moist and dry environments V Caronna, V Himel, Q Yu, JF Zhang, K Sabey Journal of endodontics 40 (7), 986-989	23	2014
Fault-tolerant control with linear quadratic and model predictive control techniques against actuator faults in a quadrotor UAV B Yu, Y Zhang, I Minchala, Y Qu Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 661-666	23	2013
Fault diagnosis and fault tolerant control methods for manned and unmanned helicopters: a literature review X Qi, D Theilliol, J Qi, Y Zhang, J Han, D Song, L Wang, Y Xia Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 132-139	23	2013
Hierarchical decentralized receding horizon control of multiple vehicles with communication failures HA Izadi, BW Gordon, Y Zhang IEEE Transactions on Aerospace and Electronic Systems 49 (2), 744-759	23	2013
Cooperative multi-vehicle search and coverage problem in uncertain environments M Mirzaei, F Sharifi, BW Gordon, CA Rabbath, YM Zhang Decision and Control and European Control Conference (CDC-ECC), 2011 50th ...	23	2011
Decentralized receding horizon control for cooperative multiple vehicles subject to communication delay HA Izadi, BW Gordon, Y Zhang Journal of guidance, control, and dynamics 32 (6), 1959-1965	23	2009
Design of proportional-integral reconfigurable control systems via eigenstructure assignment Y Zhang, J Jiang American Control Conference, 2000. Proceedings of the 2000 6, 3732-3736	22	2000
SiCN coatings prepared by PACVD from TMS-NH3-Ar system on steel M Ducarroir, W Zhang, R Berjoan Le Journal de Physique IV 3 (C3), C3-247-C3-254	22	1993
Fault-tolerant flight control design with finite-time adaptation under actuator stuck failures X Yu, Z Liu, Y Zhang IEEE Transactions on Control Systems Technology 25 (4), 1431-1440	21	2017
Trajectory tracking of wheeled mobile robots: A kinematical approach MH Amoozgar, YM Zhang Mechatronics and Embedded Systems and Applications (MESA), 2012 IEEE/ASME ...	21	2012

TITLE	CITED BY	YEAR
Trajectory planning and re-planning for fault tolerant formation flight control of quadrotor unmanned aerial vehicles A Chamseddine, Y Zhang, CA Rabbath American Control Conference (ACC), 2012, 3291-3296	21	2012
Cooperative localization against GPS signal loss in multiple UAVs flight Y Qu, Y Zhang Journal of Systems Engineering and Electronics 22 (1), 103-112	21	2011
Fault-tolerant control for a class of uncertain systems with actuator faults S Ye, Y Zhang, X Wang, B Jiang Tsinghua Science & Technology 15 (2), 174-183	21	2010
A SVD-based extended Kalman filter and applications to aircraft flight state and parameter estimation Y Zhang, G Dai, H Zhang, Q Li American Control Conference, 1994 2, 1809-1813	21	1994
DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects B Xu, D Wang, Y Zhang, Z Shi IEEE Transactions on Industrial Electronics 64 (11), 8676-8685	20	2017
Fault-tolerant flight control design with explicit consideration of reconfiguration transients X Yu, Y Zhang, Z Liu Journal of Guidance, Control, and Dynamics 38 (12), 556-563	20	2015
A distributed deployment strategy for a network of cooperative autonomous vehicles F Sharifi, A Chamseddine, H Mahboubi, Y Zhang, AG Aghdam IEEE transactions on control systems technology 23 (2), 737-745	20	2015
Robust fault-tolerant control using on-line control re-allocation with application to aircraft S Ye, Y Zhang, X Wang, CA Rabbath American Control Conference, 2009. ACC'09., 5534-5539	20	2009
Fault diagnosis and fault accommodation for control systems B Jiang, ZH Mao, H Yang, YM Zhang National Defense Industry Press	20	2009
Fixed-interval smoothing algorithm based on singular value decomposition Y Zhang, XR Li Control Applications, 1996., Proceedings of the 1996 IEEE International ...	20	1996
Nonlinear proportional-derivative control incorporating closed-loop control allocation for spacecraft Q Hu, B Li, Y Zhang Journal of Guidance, Control, and Dynamics 37 (3), 799-812	19	2014
Trajectory planning and replanning strategies applied to a quadrotor unmanned aerial vehicle A Chamseddine, Y Zhang, CA Rabbath, D Theilliol Journal of Guidance, Control, and Dynamics 35 (5), 1667-1671	19	2012

TITLE	CITED BY	YEAR
Adaptable metal cluster block: Facile construction of photoluminescent CuI coordination polymeric clusters with metal (I) iodides Y Niu, N Zhang, H Hou, Y Zhu, M Tang, SW Ng Journal of molecular structure 827 (1), 195-200	19	2007
Optimal control law for fault tolerant control systems M Mahmoud, J Jiang, Y Zhang Decision and Control, 2000. Proceedings of the 39th IEEE Conference on 4 ...	19	2000
Process study of silicon carbide coatings deposited on steel by plasma-assisted chemical vapor deposition from tetramethylsilane-argon gas system W Zhang, M Lelogeais, M Ducarroir Japanese journal of applied physics 31 (12R), 4053	19	1992
Formation control of multiple quadrotors based on leader-follower method KA Ghamry, Y Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 1037-1042	18	2015
DUKF-based GTM UAV fault detection and diagnosis with nonlinear and LPV models L Ma, Y Zhang Mechatronics and Embedded Systems and Applications (MESA), 2010 IEEE/ASME ...	18	2010
Graceful performance degradation in active fault-tolerant control systems J Jiang, Y Zhang IFAC Proceedings Volumes 35 (1), 275-280	18	2002
The new development of Kalman filtering algorithms [J] Y ZHANG, G DAI, H ZHANG Control Theory & Applications 5	18	1995
A learning-based fault tolerant tracking control of an unmanned quadrotor helicopter Z Liu, C Yuan, Y Zhang, J Luo Journal of Intelligent & Robotic Systems 84 (1-4), 145-162	17	2016
Optimal energy management for stable operation of an islanded microgrid LI Minchala-Avila, L Garza-Castañón, Y Zhang, HJA Ferrer IEEE Transactions on Industrial Informatics 12 (4), 1361-1370	17	2016
A literature review on fault diagnosis methods for manned and unmanned helicopters X Qi, D Theilliol, J Qi, Y Zhang, J Han Unmanned Aircraft Systems (ICUAS), 2013 International Conference on, 1114-1118	17	2013
A fault detection and diagnosis approach based on hidden Markov chain model Y Zhang, XR Li, K Zhou American Control Conference, 1998. Proceedings of the 1998 4, 2012-2016	17	1998
Flatness-based trajectory planning for a quadrotor unmanned aerial vehicle test-bed considering actuator and system constraints A Chamseddine, T Li, Y Zhang, CA Rabbath, D Theilliol American Control Conference (ACC), 2012, 920-925	16	2012

TITLE	CITED BY	YEAR
Chitosan/VEGF-siRNA nanoparticle for gene silencing Y Yang, X Liu, D Zhang, W Yu, H Xie, J Zheng, X Ma Journal of controlled release 152, e160-e161	16	2011
MDGA2 is a novel tumour suppressor cooperating with DMAP1 in gastric cancer and is associated with disease outcome K Wang, Q Liang, X Li, H Tsoi, J Zhang, H Wang, MYY Go, PWY Chiu, ... Gut 65 (10), 1619-1631	15	2016
In vitro fracture resistance of three commercially available zirconia crowns for primary molars JA Townsend, P Knoell, Q Yu, JF Zhang, Y Wang, H Zhu, S Beattie, X Xu Pediatric dentistry 36 (5), 125E-129E	15	2014
Fault-tolerant shortest connection topology design for formation control H Yang, B Jiang, Y Zhang International Journal of Control, Automation and Systems 12 (1), 29-36	15	2014
Adaptive observer-based integrated fault diagnosis and fault-tolerant control systems against actuator faults and saturation J Fan, Y Zhang, Z Zheng Journal of Dynamic Systems, Measurement, and Control 135 (4), 041008	15	2013
Dynamic service triggers in communication networks Y Cai, S Zhang US Patent 7,877,487	15	2011
An LMI approach to mixed H_1/H_∞ robust fault-tolerant control design with uncertainties S Ye, Y Zhang, CA Rabbath, X Wang, Y Li American Control Conference, 2009. ACC'09., 5540-5545	15	2009
Managing performance degradation in fault tolerant control systems Y Zhang, J Jiang, Z Yang, A Hussain IFAC Proceedings Volumes 38 (1), 424-429	15	2005
LPV model-based tracking control and robust sensor fault diagnosis for a quadrotor UAV FR López-Estrada, JC Ponsart, D Theilliol, Y Zhang, ... Journal of Intelligent & Robotic Systems 84 (1-4), 163-177	14	2016
Control allocation and re-allocation for a modified quadrotor helicopter against actuator faults I Sadeghzadeh, A Chamseddine, Y Zhang, D Theilliol IFAC Proceedings Volumes 45 (20), 247-252	14	2012
Two reconfigurable control allocation schemes for unmanned aerial vehicle under stuck actuator failures QL Zhou, Y Zhang, CA Rabbath, J Apkarian AIAA Guidance, Navigation, and Control Conference, 8419	14	2010
Design of restructurable active fault-tolerant control systems Y Zhang, J Jiang IFAC Proceedings Volumes 35 (1), 101-106	14	2002

TITLE	CITED BY	YEAR
Condition monitoring and fault detection of a compressor using signal processing techniques Y Zhang, J Jiang, M Flatley, B Hill American Control Conference, 2001. Proceedings of the 2001 6, 4460-4465	14	2001
Fault tolerant control systems design with consideration of performance degradation Y Zhang, J Jiang American Control Conference, 2001. Proceedings of the 2001 4, 2694-2699	14	2001
Effects of fault detection and isolation to the stability of fault tolerant control systems M Mahmoud, J Jiang, Y Zhang American Control Conference, 2001. Proceedings of the 2001 4, 2676-2681	14	2001
Stochastic stability of fault tolerant control systems in the presence of noise M Mahmoud, J Jiang, Y Zhang American Control Conference, 2000. Proceedings of the 2000 6, 4294-4298	14	2000
Disruption of NCOA2 by recurrent fusion with LACTB2 in colorectal cancer J Yu, WKK Wu, Q Liang, N Zhang, J He, X Li, X Zhang, L Xu, MTV Chan, ... Oncogene 35 (2), 187	13	2016
Cooperative multi-vehicle search and coverage problem in an uncertain environment F Sharifi, M Mirzaei, Y Zhang, BW Gordon Unmanned systems 3 (01), 35-47	13	2015
Robust sensor fault diagnosis and tracking controller for a UAV modelled as LPV system FR Lopez-Estrada, JC Ponsart, D Theilliol, CM Astorga-Zaragoza, ... Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 1311-1316	13	2014
Distributed coordination of multi-agent systems for coverage problem in presence of obstacles H Mahboubi, F Sharifi, AG Aghdam, Y Zhang American Control Conference (ACC), 2012, 5252-5257	13	2012
Fault tolerant control system against actuator failures based on re-configuring reference input D Theilliol, YM Zhang, JC Ponsart Advances in Computational Tools for Engineering Applications, 2009. ACTEA'09 ...	13	2009
Fault-tolerant controller synthesis for piecewise-affine systems N Nayeapanah, L Rodrigues, Y Zhang American Control Conference, 2009. ACC'09., 222-226	13	2009
Recent progress in fingerprint recognition T Jie, C Xinjian, Z Yangyang, Y Xin, H Yuliang, L Liang, X Weihua, ... Progress in natural science 16 (3), 231-240	13	2006
A new clustering and training method for radial basis function networks Y Zhang, XR Li, Z Zhu, H Zhang Neural Networks, 1996., IEEE International Conference on 1, 311-316	13	1996

TITLE	CITED BY	YEAR
Aerial images-based forest fire detection for firefighting using optical remote sensing techniques and unmanned aerial vehicles C Yuan, Z Liu, Y Zhang Journal of Intelligent & Robotic Systems 88 (2-4), 635-654	12	2017
Carbonic anhydrase IV inhibits colon cancer development by inhibiting the Wnt signalling pathway through targeting the WTAP–WT1–TBL1 axis J Zhang, H Tsoi, X Li, H Wang, J Gao, K Wang, MYY Go, SC Ng, ... Gut, gutjnl-2014-308614	12	2015
Decentralized leader-follower formation control with obstacle avoidance of multiple unicycle mobile robots MA Kamel, Y Zhang Electrical and Computer Engineering (CCECE), 2015 IEEE 28th Canadian ...	12	2015
Optimal flight path planning for UAVs in 3-D threat environment Y Qu, Y Zhang, Y Zhang Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 149-155	12	2014
Reliable stabilization of switched system with average dwell-time approach Y Jin, J Fu, Y Zhang, Y Jing Journal of the Franklin Institute 350 (3), 452-463	12	2013
Fault tolerant control for quad-rotor UAV by employing Lyapunov-based adaptive control approach X Zhang, Y Zhang AIAA Guidance, Navigation, and Control Conference, 8052	12	2010
Fault detection and diagnosis for GTM UAV with dual unscented Kalman filter L Ma, Y Zhang AIAA Guidance, Navigation, and Control Conference, 7884	12	2010
Dead reckoning and Kalman filter design for trajectory tracking of a quadrotor UAV QL Zhou, Y Zhang, YH Qu, CA Rabbath Mechatronics and Embedded Systems and Applications (MESA), 2010 IEEE/ASME ...	12	2010
Expression and clinical significance of CDC6 and hMSH2 in cervical carcinoma WX Wang, WJ Zhang, ZL Peng, KX Yang Sichuan da xue xue bao. Yi xue ban= Journal of Sichuan University. Medical ...	12	2009
Multiple-Model Estimation with Variable Structure Part IV: Design and Evaluation of Model-Croup Switching Algorithm Y ZHANG, X ZHI IEEE Transactions on Aerospace and Electronic Systems 35 (1)	12	1999
Aircraft fault accommodation with consideration of actuator control authority and gyro availability X Yu, Y Fu, Y Zhang IEEE Transactions on Control Systems Technology	11	2017
Design of passive fault-tolerant flight controller against actuator failures X Yu, Y Zhang Chinese Journal of Aeronautics 28 (1), 180-190	11	2015

TITLE	CITED BY	YEAR
Observer-based attitude control for satellite under actuator fault A Zhang, Q Hu, Y Zhang Journal of Guidance, Control, and Dynamics 38 (4), 806-811	11	2014
A distributed deployment strategy for multi-agent systems subject to health degradation and communication delays F Sharifi, Y Zhang, AG Aghdam Journal of Intelligent & Robotic Systems 73 (1-4), 623-633	11	2014
Payload drop application using an unmanned quadrotor helicopter based on gain-scheduled PID and model predictive control I Sadeghzadeh, M Abdolhosseini, Y Zhang Unmanned Systems 2 (01), 39-52	11	2014
A review on application of monitoring, diagnosis, and fault-tolerant control to wind turbines H Badihi, Y Zhang, H Hong Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 365-370	11	2013
A data-driven fault tolerant model predictive control with fault identification HA Izadi, BW Gordon, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2010 Conference on, 732-737	11	2010
Cooperative localization of UAV based on information synchronization Y Qu, Y Zhang, Q Zhou Mechatronics and Automation (ICMA), 2010 International Conference on, 225-230	11	2010
Antimicrobial-resistance and Mechanism of Aeromonas Hydrophila [J] T SONG, Q CHEN, Z ZHENG, Y LI, H GONG, T LIN Fujian Journal of Agricultural Sciences 2, 002	11	2008
Active fault-tolerant control systems: Integration of fault diagnosis and reconfigurable control Y Zhang Fault Diagnosis and Fault Tolerant Control, Academic Publishing House EXIT ...	11	2007
Cooperative forest monitoring and fire detection using a team of UAVs-UGVs KA Ghamry, MA Kamel, Y Zhang Unmanned Aircraft Systems (ICUAS), 2016 International Conference on, 1206-1211	10	2016
Observer-based reliable stabilization of uncertain linear systems subject to actuator faults, saturation, and bounded system disturbances J Fan, Y Zhang, Z Zheng ISA transactions 52 (6), 730-737	10	2013
A disturbance-decoupled adaptive observer and its application to faulty parameters estimation of a hydraulically driven elevator Z Zhao, WF Xie, H Hong, Y Zhang International Journal of Adaptive Control and Signal Processing 25 (6), 519-534	10	2011
Rule-Based Cooperative collision avoidance using decentralized model predictive control HA Izadi, BW Gordon, Y Zhang Infotech@ Aerospace 2011, 1610	10	2011

TITLE	CITED BY	YEAR
Decentralized model predictive control for cooperative multiple vehicles subject to communication loss HA Izadi, BW Gordon, Y Zhang International Journal of Aerospace Engineering 2011	10	2011
Reconfiguration of control inputs for overactuated systems based on actuators health A Khelassi, J Jiang, D Theilliol, P Weber, YM Zhang IFAC Proceedings Volumes 44 (1), 13729-13734	10	2011
Sliding mode observer-based fault detection and isolation in flight control systems J Liu, B Jiang, Y Zhang Control Applications, 2007. CCA 2007. IEEE International Conference on, 1049 ...	10	2007
An advanced sense and collision avoidance strategy for unmanned aerial vehicles in landing phase Y Fu, Y Zhang, X Yu IEEE Aerospace and Electronic Systems Magazine 31 (9), 40-52	9	2016
Sense and collision avoidance of unmanned aerial vehicles using Markov decision process and flatness approach Y Fu, X Yu, Y Zhang Information and Automation, 2015 IEEE International Conference on, 714-719	9	2015
Leader-follower formation control of unmanned aerial vehicles with fault tolerant and collision avoidance capabilities ZX Liu, X Yu, C Yuan, YM Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 1025-1030	9	2015
Actuator fault-tolerant control based on Gain-Scheduled PID with application to fixed-wing Unmanned Aerial Vehicle I Sadeghzadeh, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 342-346	9	2013
Fault tolerant control using linear quadratic technique against actuator faults in a UAV B Yu, Y Zhang, J Yan, Y Qu, Z Liu Control Conference (CCC), 2013 32nd Chinese, 6294-6299	9	2013
Sliding mode reconfigurable control using information on the control effectiveness of actuators T Wang, W Xie, Y Zhang Journal of Aerospace Engineering 27 (3), 587-596	9	2012
Fault tolerant control applied to a quadrotor unmanned helicopter T Li, Y Zhang, B Gordon ASME 2011 International Design Engineering Technical Conferences and ...	9	2011
Multimodel-based flight control system reconfiguration control in the presence of input constraints Y Guo, B Jiang, Y Xu Journal of Control Theory and Applications 8 (4), 418-424	9	2010

TITLE	CITED BY	YEAR
Robust fault tolerant attitude stabilization control for flexible spacecraft under partial loss of actuator effectiveness Q Hu, B Xiao, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2010 Conference on, 263-268	9	2010
Reconfigurable control allocation against partial control effector faults in aircraft Y Zhang, D Theilliol 3rd International Conference on Advances in Vehicle Control and Safety, AVCS ...	9	2007
Vision-based forest fire detection in aerial images for firefighting using UAVs C Yuan, Z Liu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2016 International Conference on, 1200-1205	8	2016
Linear model predictive control via feedback linearization for formation control of multiple wheeled mobile robots MA Kamel, Y Zhang Information and Automation, 2015 IEEE International Conference on, 1283-1288	8	2015
Hybrid adaptive fault-tolerant control algorithms for voltage and frequency regulation of an islanded microgrid A Vargas-Martínez, LI Minchala Avila, Y Zhang, LE Garza-Castañón, ... International Transactions on Electrical Energy Systems 25 (5), 827-844	8	2015
Active fault tolerant control in a wind farm with decreased power generation due to blade erosion/debris build-up H Badihi, Y Zhang, H Hong IFAC-PapersOnLine 48 (21), 1369-1374	8	2015
Optimal reliability design for over-actuated systems based on the MIT rule: Application to an octocopter helicopter testbed A Chamseddine, D Theilliol, I Sadeghzadeh, Y Zhang, P Weber Reliability Engineering & System Safety 132, 196-206	8	2014
A learning-based fuzzy LQR control scheme for height control of an unmanned quadrotor helicopter ZX Liu, C Yuan, YM Zhang, J Luo Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 936-941	8	2014
A model predictive control approach for integrating a master generation unit in a microgrid LI Minchala-Avila, A Vargas-Martínez, Y Zhang, LE Garza-Castanon Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 674-679	8	2013
Trajectory tracking with model predictive control for an unmanned quadrotor helicopter: Theory and flight test results M Abdolhosseini, YM Zhang, CA Rabbath International Conference on Intelligent Robotics and Applications, 411-420	8	2012
Nonlinear fault-tolerant control of a quadrotor uav based on sliding mode control technique T Li, Y Zhang, BW Gordon IFAC Proceedings Volumes 45 (20), 1317-1322	8	2012

TITLE	CITED BY	YEAR
Cooperative localization of low-cost UAV using relative range measurements in multi-UAV flight Y Qu, Y Zhang AIAA Guidance, Navigation, and Control Conference, 8187	8	2010
Quad-rotor UAV: high-fidelity modeling and nonlinear PID control AB Milhim, Y Zhang, CA Rabbath AIAA Modelling and Simulation Technologies Conference	8	2010
Reconfigurable control allocation technology using weighted least squares for nonlinear system in unmanned aerial vehicle QL Zhou, Y Zhang, CA Rabbath, D Theilliol 48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and ...	8	2010
Adaptive backstepping based fault tolerant spacecraft attitude control under loss of actuator effectiveness Q Hu, B Xiao, Y Zhang AIAA Guidance, Navigation, and Control Conference, 8306	8	2010
Multiple-model estimation with variable structure: likely model set algorithm XR Li, Y Zhang Signal and Data Processing of Small Targets 1998 3373, 234-247	8	1998
A new recursive least-squares identification algorithm based on singular value decomposition Y Zhang, Q Li, G Dai, H Zhang Decision and Control, 1994., Proceedings of the 33rd IEEE Conference on 2 ...	8	1994
The design of fixed-time observer and finite-time fault-tolerant control for hypersonic gliding vehicles X Yu, P Li, Y Zhang IEEE Transactions on Industrial Electronics 65 (5), 4135-4144	7	2018
Design and implementation of a smart meter with demand response capabilities LI Minchala-Avila, J Armijos, D Pesántez, Y Zhang Energy Procedia 103, 195-200	7	2016
Spatio-temporal decomposition: a knowledge-based initialization strategy for parallel parking motion optimization B Li, Y Zhang, Z Shao Knowledge-Based Systems 107, 179-196	7	2016
Trajectory tracking and attitude control of an unmanned quadrotor helicopter considering actuator dynamics B Wang, KA Ghamry, Y Zhang Control Conference (CCC), 2016 35th Chinese, 10795-10800	7	2016
Real-time autonomous take-off, tracking and landing of uav on a moving ugv platform KA Ghamry, Y Dong, MA Kamel, Y Zhang Control and Automation (MED), 2016 24th Mediterranean Conference on, 1236-1241	7	2016
Insulator identification from aerial images using support vector machine with background suppression X Wang, Y Zhang Unmanned Aircraft Systems (ICUAS), 2016 International Conference on, 892-897	7	2016

TITLE	CITED BY	YEAR
Fault-tolerant cooperative control of multiple wheeled mobile robots under actuator faults MA Kamel, Y Zhang, X Yu IFAC-PapersOnLine 48 (21), 1152-1157	7	2015
Experimental validation of fault detection and diagnosis for unmanned aerial vehicles A Chamseddine, MH Amoozgar, YM Zhang Handbook of Unmanned Aerial Vehicles, 1123-1155	7	2015
Sliding mode reconfigurable fault tolerant control for nonlinear aircraft systems T Wang, W Xie, Y Zhang Journal of Aerospace Engineering 28 (3), 04014086	7	2014
Actuator fault diagnosis in a Boeing 747 model via adaptive modified two-stage Kalman filter F Caliskan, Y Zhang, NE Wu, JY Shin International Journal of Aerospace Engineering 2014	7	2014
Hybrid fault-tolerant flight control against actuator faults and input saturation: a set-invariance approach J Fan, Y Zhang, Z Zheng AIAA Guidance, Navigation, and Control Conference, 4537	7	2012
Fault diagnosis of gears based on time-wavelet energy spectrum J Zhang, ZP Feng, FL Chu Zhendong yu Chongji(Journal of Vibration and Shock) 30 (1), 157-161	7	2011
Fault tolerant control of a quadrotor helicopter using model reference adaptive control I Sadeghzadeh, A Mehta, Y Zhang ASME 2011 International Design Engineering Technical Conferences and ...	7	2011
Decentralized sliding control of cooperative multi-agent systems subject to communication delays F Sharifi, BW Gordon, Y Zhang AIAA Guidance, Navigation, and Control Conference, 8426	7	2010
Actuator fault compensation via multiple model based adaptive control Y Guo, B Jiang, Y Zhang Intelligent Control and Automation, 2008. WCICA 2008. 7th World Congress on ...	7	2008
Experimental study on water stability of cement-lime stabilized soil J Ling, H Xie, S Zhuang JOURNAL-TONGJI UNIVERSITY 29 (6), 733-737	7	2001
Stochastic stability of fault tolerant control systems with model uncertainties M Mahmoud, J Jiang, Y Zhang American Control Conference, 2000. Proceedings of the 2000 6, 4284-4288	7	2000
Real-time fault-tolerant cooperative control of multiple UAVs-ugvs in the presence of actuator faults MA Kamel, KA Ghamry, Y Zhang Journal of Intelligent & Robotic Systems 88 (2-4), 469-480	6	2017

TITLE	CITED BY	YEAR
Fault-tolerant cooperative control in an offshore wind farm using model-free and model-based fault detection and diagnosis approaches H Badihi, Y Zhang, H Hong Applied energy 201, 284-307	6	2017
Fault-tolerant control of switched nonlinear systems with strong structural uncertainties: Average dwell-time method Y Jin, Y Zhang, Y Jing Neurocomputing 205, 204-209	6	2016
Fault-tolerant formation control of unmanned aerial vehicles in the presence of actuator faults and obstacles Z Liu, C Yuan, X Yu, Y Zhang Unmanned Systems 4 (03), 197-211	6	2016
Output feedback attitude tracking for spacecraft under control saturation and disturbance Q Hu, B Jiang, Y Zhang Journal of Dynamic Systems, Measurement, and Control 138 (1), 011006	6	2016
Fault tolerant cooperative control of multiple UAVs-UGVs under actuator faults MA Kamel, KA Ghamry, Y Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 644-649	6	2015
Simultaneous construction of PCR-DGGE-based predictive models of <i>Listeria monocytogenes</i> and <i>Vibrio parahaemolyticus</i> on cooked shrimps C Liao, ZY Peng, JB Li, XW Cui, ZH Zhang, PK Malakar, WJ Zhang, ... Letters in applied microbiology 60 (3), 210-216	6	2015
Active power control design for supporting grid frequency regulation in wind farms H Badihi, Y Zhang, H Hong Annual Reviews in Control 40, 70-81	6	2015
Fault tolerant control for partial loss of control authority in aircraft using piecewise affine slab models N Nayeibpanah, L Rodrigues, Y Zhang Journal of the Franklin Institute 350 (9), 2494-2508	6	2013
Payload drop application of unmanned quadrotor helicopter using gain-scheduled PID and model predictive control techniques I Sadeghzadeh, M Abdolhosseini, YM Zhang International Conference on Intelligent Robotics and Applications, 386-395	6	2012
Sliding Mode Reconfigurable Control with Application to Longitudinal Control of Boeing 747 T Wang, W Xie, Y Zhang AIAA Guidance, Navigation, and Control Conference, 7700	6	2010
Adaptive trajectory planning for a quad-rotor unmanned aerial vehicle A Chamseddine, Y Zhang, CA Rabbath AIAA Guidance, Navigation, and Control Conference, 8279	6	2010

TITLE	CITED BY	YEAR
Decentralized receding horizon control of multiple vehicles subject to communication failure HA Izadi, BW Gordon, Y Zhang American Control Conference, 2009. ACC'09., 3531-3536	6	2009
Fault detection and identification for bimodal piecewise affine systems N Nayeibpanah, L Rodrigues, Y Zhang American Control Conference, 2009. ACC'09., 2362-2366	6	2009
catena-Poly [N-[4-(1H-benzimidazol-3-yl) butyl] benzimidazolium [[diiodobismuthate (III)]-di-μ2-iodo]] YY Niu, N Zhang, HW Hou, SW Ng Structure Reports 61 (12), m2534-m2535	6	2005
A SVD-based extended Kalman filter and application to flight state and parameter estimation of aircraft Y Zhang, G Dai, H Zhang Control Theory and Applications 13 (1), 107-144	6	1996
A New Recursive Identification Method Based On Singular Value Decomposition [J] Y ZHANG, Q LI, G DAI, H ZHANG Control Theory & Applications 2	6	1995
Fault-Tolerant Aircraft Control Based on Self-Constructing Fuzzy Neural Networks and Multivariable SMC under Actuator Faults X Yu, Y Fu, P Li, Y Zhang IEEE Transactions on Fuzzy Systems	5	2017
Centralized and optimal motion planning for large-scale AGV systems: A generic approach B Li, H Liu, D Xiao, G Yu, Y Zhang Advances in Engineering Software 106, 33-46	5	2017
Using a fluid–solid coupled numerical simulation to determine a suitable size for barrier pillars when mining shallow coal seams beneath an unconsolidated, confine... L Chen, X Feng, W Xie, W Zeng, Z Zheng Mine Water and the Environment 36 (1), 67-77	5	2017
Cooperative control of multiple UAVs for forest fire monitoring and detection KA Ghamry, Y Zhang Mechatronic and Embedded Systems and Applications (MESA), 2016 12th IEEE ...	5	2016
Forest fire detection and monitoring using a network of autonomous vehicles F Sharifi, YM Zhang, AG Aghdam The 10th International Conference on Intelligent Unmanned Systems (ICIUS ...	5	2014
Fault detection for partial loss of effectiveness faults of actuators in a quadrotor unmanned helicopter B Yu, Y Zhang, Y Yi, Y Qu, P Lu Intelligent Control and Automation (WCICA), 2014 11th World Congress on ...	5	2014

TITLE	CITED BY	YEAR
Fault tolerant control using PID structured optimal technique against actuator faults in a quadrotor UAV B Yu, Y Zhang, Y Qu Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 167-174	5	2014
Cooperative localization based on the azimuth angles among multiple UAVs Y Qu, J Wu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2013 International Conference on, 818-823	5	2013
Adaptive exponential sliding mode control for dynamic tracking of a nonholonomic mobile robot H Mehrjerdi, Y Zhang, M Saad International Conference on Intelligent Robotics and Applications, 643-652	5	2012
Control allocation for a modified quadrotor helicopter based on reliability analysis A Chamseddine, I Sadeghzadeh, Y Zhang, D Theilliol, A Khelassi Infotech@ Aerospace 2012, 2511	5	2012
Integrated adaptive fault diagnosis and state-feedback control for systems with constant actuator faults and control input constraints J Fan, Y Zhang, Z Zheng ASME 2011 International Design Engineering Technical Conferences and ...	5	2011
Using cutting-edge unmanned aerial vehicles (uavs) technology for flight controls courses teaching Y Zhang Proceedings of EDULEARN11 Conference, 4-6	5	2011
Active fault-tolerant control design for TS fuzzy systems with application to a near space vehicle Z Gao, B Jiang, Y Zhang, F Sun Intelligent Control (ISIC), 2010 IEEE International Symposium on, 123-128	5	2010
Analysis of power grid economic operation and measures [J] Y TAN, S ZHANG Heilongjiang Electric Power 5, 007	5	2009
Optimal reconfigurable control allocation design based on reliability analysis D Theilliol, A Chamseddine, Y Zhang, P Weber IFAC Proceedings Volumes 42 (8), 692-697	5	2009
The application of machine learning algorithm in underwriting process Y Tan, GJ Zhang Machine Learning and Cybernetics, 2005. Proceedings of 2005 International ...	5	2005
Research on the forecast of intraocular lens power after excimer laser keratorefractive operation Z Wang, H Liu, Y Jing, X Zhang [Zhonghua yan ke za zhi] Chinese journal of ophthalmology 38 (2), 81-83	5	2002
Stability of fault tolerant control systems driven by actuators with saturation M Mahmoud, J Jiang, Y Zhang IFAC Proceedings Volumes 35 (1), 473-478	5	2002

TITLE	CITED BY	YEAR
Optimal control law for fault tolerant control systems in noisy environment M Mahmoud, J Jiang, Y Zhang American Control Conference, 2001. Proceedings of the 2001 4, 2682-2687	5	2001
Hybrid training of RBF networks with application to nonlinear systems identification YM Zhang, XR Li Decision and Control, 1996., Proceedings of the 35th IEEE Conference on 1 ...	5	1996
A fast and robust recursive prediction error learning algorithm for feedforward neural networks Y Zhang, XR Li Decision and Control, 1996., Proceedings of the 35th IEEE Conference on 2 ...	5	1996
Unmanned aerial vehicle based forest fire monitoring and detection using image processing technique C Yuan, KA Ghamry, Z Liu, Y Zhang Guidance, Navigation and Control Conference (CGNCC), 2016 IEEE Chinese, 1870 ...	4	2016
Design of fault-tolerant cooperative control algorithm applied to WMRs against actuator faults MA Kamel, X Yu, Y Zhang American Control Conference (ACC), 2016, 7092-7097	4	2016
Self healing control method against unmanned helicopter actuator stuck faults X Qi, D Theilliol, J Qi, Y Zhang, L Wang, J Han Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 842-847	4	2014
A Framework for Energy-Efficient Trajectory Optimization in Patrolling Problem with Non-pre-defined Starting Depot W Ghadiry, Y Zhang Proceedings of International Conference on Intelligent Unmanned Systems 10	4	2014
Model-based fault-tolerant control to guarantee the performance of a hybrid wind-diesel power system in a microgrid configuration A Vargas-Martínez, LIM Avila, Y Zhang, LE Garza-Castañón, ERC Ortiz Procedia Computer Science 19, 712-719	4	2013
Unitary System—I: Constructing a Unitary Fault Detection Observer Z Zhao, WF Xie, H Hong, Y Zhang IFAC Proceedings Volumes 44 (1), 7725-7730	4	2011
Control allocation-based fault-tolerant control for over-actuated systems with saturation and imperfect fault information J Fan, Z Zheng, Y Zhang Infotech@ Aerospace 2011, 1495	4	2011
ACRP: Ant-colony-based routing protocol for DTMN P Zhang, H Wang, C Xia, L Lv, X Liu Educational and Information Technology (ICEIT), 2010 International ...	4	2010
Nonlinear analog circuit fault diagnosis using wavelet leaders multifractal analysis method JY Tang, YB Shi, LF Zhou, W Zhang Control and Decision 25 (4), 605-609	4	2010

TITLE	CITED BY	YEAR
Estimation of actuator fault parameters in a nonlinear Boeing 747 model using a linear Two-Stage Kalman Filter F Caliskan, Y Zhang, NE Wu, JY Shin IFAC Proceedings Volumes 42 (8), 1408-1413	4	2009
Fault detection and isolation applied to a ship propulsion benchmark Y Zhang, NE Wu, B Jiang IFAC Proceedings Volumes 41 (2), 1908-1913	4	2008
Performance of the first beam on Shengguang III technical Integration Line W Zheng, X Zhang, X Wei, F Jing, Z Sui, J Su, M Li, Z Peng, S He, B Chen, ... Journal de Physique IV (Proceedings) 133, 607-614	4	2006
Association between Helicobacter pylori virulence and duodenal ulcer disease in patients from Hong Kong in China Y Yin, JZ Zhang, ZY Wang, HX Xia, ZX Lin Zhonghua liu xing bing xue za zhi= Zhonghua liuxingbingxue zazhi 24 (2), 123-126	4	2003
The energy loss of 12C and 11B ions in seven elements H Bitao, W Ying, Z Xiaodong, C Ximen, L Zhaoyuan Nuclear Instruments and Methods in Physics Research Section B: Beam ...	4	2000
Detection, estimation, and accommodation of loss of control effectiveness NE Wu, Y Zhang, K Zhou Int. J. Adapt. Control Signal Process 14 (775), 795	4	2000
Design and evaluation of a model-group switching algorithm for multiple-model estimation with variable structure XR Li, Y Zhang, X Zhi Signal and Data Processing of Small Targets 1997 3163, 388-400	4	1997
On effectiveness of multi-electrode corona charging J Zheng, W Xie Proceedings of Eleventh Electrostatics Symposium in China	4	1994
An adaptive fault-tolerant sliding mode control allocation scheme for multirotor helicopter subject to simultaneous actuator faults B Wang, Y Zhang IEEE Transactions on Industrial Electronics 65 (5), 4227-4236	3	2018
Fault-tolerant cooperative control design of multiple wheeled mobile robots MA Kamel, X Yu, Y Zhang IEEE Transactions on Control Systems Technology 26 (2), 756-764	3	2018
Fire detection using infrared images for UAV-based forest fire surveillance C Yuan, Z Liu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 567-572	3	2017
Self-healing control design under actuator fault occurrence on single-rotor unmanned helicopters X Qi, J Qi, D Theilliol, D Song, Y Zhang, J Han Journal of Intelligent & Robotic Systems 84 (1-4), 21-35	3	2016
Fault-tolerant cooperative control of multiple UAVs for forest fire detection and tracking mission KA Ghamry, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2016 3rd Conference on, 133-138	3	2016

TITLE	CITED BY	YEAR
H 2 O Induced Hump Phenomenon in Capacitance–Voltage Measurements of a-IGZO Thin-Film Transistors Y Han, C Cui, J Yang, MY Tsai, TC Chang, Q Zhang IEEE Transactions on Device and Materials Reliability 16 (1), 20-24	3	2016
Set-membership estimation-based adaptive reconfiguration scheme for linear systems with disturbances Y Guo, Y Zhang, B Jiang International Journal of Adaptive Control and Signal Processing 30 (2), 359-374	3	2016
Self-healing control against actuator stuck failures under constraints: application to unmanned helicopters X Qi, D Theilliol, J Qi, Y Zhang, J Han Advanced and Intelligent Computations in Diagnosis and Control, 193-207	3	2016
Sense and collision avoidance of unmanned aerial vehicles using geometric guidance and flatness approaches Y Fu, P Soupín, X Yu, Y Zhang, P Cole Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 601-606	3	2015
Generalized formulation for trajectory optimization in patrolling problems W Ghadiry, J Habibi, AG Aghdam, Y Zhang Electrical and Computer Engineering (CCECE), 2015 IEEE 28th Canadian ...	3	2015
Fault-tolerant controller design for a master generation unit in an isolated hybrid wind-diesel power system A Vargas-Martínez, LI Minchala-Avila, Y Zhang, LE Garza-Castañón, ... International Journal of Robust and Nonlinear Control 25 (5), 761-772	3	2015
Linear parameter varying adaptive control of an unmanned surface vehicle ZX Liu, C Yuan, YM Zhang IFAC-PapersOnLine 48 (16), 140-145	3	2015
Linear Parameter Varying control synthesis: State feedback versus H^∞ technique with application to quadrotor UA V I Sadeghzadeh, A Chamseddine, D Theilliol, Y Zhang Unmanned Aircraft Systems (ICUAS), 2014 International Conference on, 1099-1104	3	2014
Model reference adaptive fault-tolerant control for a wind turbine against actuator faults H Badihi, Y Zhang, H Hong Control and Fault-Tolerant Systems (SysTol), 2013 Conference on, 498-503	3	2013
Multiple model adaptive reconfiguration control of state delayed systems Y Guo, B Jiang, Y Zhang, ZW Zhu Proceedings of the Institution of Mechanical Engineers, Part I: Journal of ...	3	2012
Diagenetic Facies and High-quality Reservoir Study of Shanxi-2 Member in Jingbian Gas Field, Ordos Basin [J] X WU, J TANG, L RENG, J ZHANG, Q YU, Z LI, Z YANG, C FAN, G ZHANG, ... Natural Gas Geoscience 6, 005	3	2012
Multi-model based adaptive reconfiguration control for flight control systems with actuator faults Y Guo, Y Zhang, P Shi, B Jiang, Z Zhu Control and Decision Conference (CCDC), 2011 Chinese, 1335-1340	3	2011

TITLE	CITED BY	YEAR
Unitary System–II: Application to H^∞/H_2 Optimization of Strictly-Proper Systems Z Zhao, WF Xie, H Hong, Y Zhang IFAC Proceedings Volumes 44 (1), 7731-7736	3	2011
STABILIZATION OF OBSERVER-BASED ACTUATOR FAULT-TOLERANT CONTROL SYSTEMS WITH UNCERTAINTIES, ACTUATOR SATURATION AND DISTUR... J Fan, Z Zheng, Y Zhang sat 1, 2	3	2011
Fault-tolerant control for output tracking systems subject to actuator saturation and constant disturbances: an LMI approach J Fan, Z Zheng, Y Zhang AIAA Guidance, Navigation, and Control Conference, 6411	3	2011
Angular velocity-free control for rigid spacecraft attitude stabilization under input constraint B Xiao, Q Hu, Y Zhang IFAC Proceedings Volumes 44 (1), 8491-8496	3	2011
Voronoi-based coverage control for multi-quadrotor UAVs F Sharifi, Y Zhang, BW Gordon ASME 2011 International Design Engineering Technical Conferences and ...	3	2011
Fault-tolerant localization for multi-UAV cooperative flight Y Qu, Y Zhang Mechatronics and Embedded Systems and Applications (MESA), 2010 IEEE/ASME ...	3	2010
Fault identification and reconfigurable control for bimodal piecewise affine systems N Nayeibpanah, L Rodrigues, Y Zhang Control Conference (ECC), 2009 European, 2694-2699	3	2009
An improved LMI approach for static output feedback fault-tolerant control with application to flight tracking control S Ye, Y Zhang, X Wang, Y Li Industrial Electronics and Applications, 2009. ICIEA 2009. 4th IEEE ...	3	2009
Actuator fault tolerant control system with re-configuring reference input design based on MPC D Theilliol, Y Zhang, JC Ponsart, C Aubrun 23rd IAR Workshop on Advanced Control and Diagnosis, 275-280	3	2008
Influence of fluidized bed and shaft kiln on coal consumption of smelting reduction JH Shao, HC Zhang, J Fang, Z AN J Iron Steel Res 20 (3), 5	3	2008
Shielding failure simulation experiment on the lightning performance of Yunguang±800 kV UHVDC transmission lines Z DU, T SHANG, C ZHANG High Voltage Engineering 34 (10), 2090-2096	3	2008
Large power matching load for high-current electronic accelerator J Liu, T Zhan, J Feng, YI Yin, J Zhang, N Zeng, X Wang High Power Laser and Particle Beams 19 (5), 825-829	3	2007

TITLE	CITED BY	YEAR
Effect of dialysis time in vivo on recovery of amino acids for micro-dialysis probe KP Zhang, HY Zhang, XX Zheng Zhejiang da xue xue bao= Journal of Zhejiang University. Medical ...	3	2006
Effects of carnitine acetyltransferase gene knockout on long chain dicarboxylic acid production and metabolism of Candida tropicalis H Gao, J Zhang, YT Hua, C Li, ZA Cao Wei sheng wu xue bao= Acta microbiologica Sinica 45 (1), 102-105	3	2005
Fault diagnosis and reconfigurable control of a pressurizer in a nuclear power plant J Jiang, Y Zhang IFAC Proceedings Volumes 36 (5), 993-998	3	2003
Surface EMG signal classification using wavelet transform L Cai, Z Wang, H Zhang Sheng wu yi xue gong cheng xue za zhi= Journal of biomedical engineering ...	3	2000
A New Fixed-Interval Smoothing Algorithm Based on Singular Value Decomposition [J] Y ZHANG, L JIAO, H CHEN, G DAI CONTROL THEORY & APPLICATIONS 4, 021	3	1997
A method for fault detection and isolation using neural networks Q Zhang, Y Zhang Neural Networks, 1996., IEEE International Conference on 4, 2270-2275	3	1996
A Survey for Systolic Implementation of Parallel Kalman Filtering [J] Y ZHANG, G DAI, H ZHANG Control Theory & Applications 1, 001	3	1993
Structural determination of fatty acid components in the seeds oils of five species of Euphorbiaceae X Yu, H Wang, J Zhang, BAIN LIU, Q YU, ZHIH HUANG Zhiwu Xuebao 33, 199-205	3	1991
Observer-Based Output Feedback Attitude Stabilization for Spacecraft With Finite-Time Convergence Q Hu, B Jiang, Y Zhang IEEE Transactions on Control Systems Technology	2	2017
Adaptive Multivariable Integral TSMC of a Hypersonic Gliding Vehicle With Actuator Faults and Model Uncertainties P Li, X Yu, Y Zhang, X Peng IEEE/ASME Transactions on Mechatronics 22 (6), 2723-2735	2	2017
Active fault-tolerant control of unmanned quadrotor helicopter using linear parameter varying technique Z Liu, C Yuan, Y Zhang Journal of Intelligent & Robotic Systems 88 (2-4), 415-436	2	2017
Multiple UAVs in forest fire fighting mission using particle swarm optimization KA Ghamry, MA Kamel, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 1404-1409	2	2017

TITLE	CITED BY	YEAR
Simultaneous versus joint computing: A case study of multi-vehicle parking motion planning B Li, Y Zhang, Z Shao, N Jia Journal of Computational Science 20, 30-40	2	2017
Path planning algorithms for power transmission line inspection using unmanned aerial vehicles J Cui, Y Zhang, S Ma, Y Yi, J Xin, D Liu Control And Decision Conference (CCDC), 2017 29th Chinese, 2304-2309	2	2017
Real-time optimal formation reconfiguration of multiple wheeled mobile robots based on particle swarm optimization MA Kamel, X Yu, Y Zhang Intelligent Control and Automation (WCICA), 2016 12th World Congress on, 703-708	2	2016
Fault-tolerant control of a boeing 747-100/200 based on a laguerre function-based mpc scheme B Yu, Y Zhang IFAC-PapersOnLine 49 (17), 58-63	2	2016
Optimization-based reliable control allocation design for over-actuated systems D Theilliol, P Weber, A Chamseddine, Y Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 1225-1230	2	2015
A UAV solution of regional surveillance based on pheromones and artificial potential field theory Y Qu, Y Zhang, Y Zhang Unmanned Aircraft Systems (ICUAS), 2015 International Conference on, 380-385	2	2015
Design of an advanced automatic inspection system for aircraft parts based on fluorescent penetrant inspection analysis J Zheng, WF Xie, M Viens, L Birglen, I Mantegh Insight-Non-Destructive Testing and Condition Monitoring 57 (1), 18-34	2	2015
Factors affecting the progression from ocular to generalized myasthenia gravis Y Jing, X Zhang, L Yu, R Chen, N Qin, S Ma Chinese Journal of Neurology 47 (1), 21-25	2	2014
Fault-tolerant control of a master generation unit in an islanded microgrid LI Minchala-Avila, A Vargas-Martínez, LE Garza-Castanón, ... IFAC Proceedings Volumes 47 (3), 5327-5332	2	2014
Developments and challenges in wheeled mobile robot control MA Kamel, YM Zhang International Conference on Intelligent Unmanned Systems (ICIUS)	2	2014
An Active Fault-Tolerant Control Approach to Wind Turbine Torque Load Control against Actuator Faults H Badihi, Y Zhang, H Hong 32nd ASME Wind Energy Symposium, 0872	2	2014
Adaptive fault-tolerant control design for UAVs formation flight under actuator faults Q Xu, H Yang, B Jiang, D Zhou, Y Zhang Unmanned Aircraft Systems (ICUAS), 2013 International Conference on, 1097-1105	2	2013

TITLE	CITED BY	YEAR
Coverage control in multi-vehicle systems subject to health degradation F Sharifi, Y Zhang, AG Aghdam Unmanned Aircraft Systems (ICUAS), 2013 International Conference on, 1119-1124	2	2013
Model-based Control Approaches for Optimal Integration of a Hybrid Wind-diesel Power System in a Microgrid. LIM Avila, A Vargas-Martínez, Y Zhang, LE Garza-Castañón, ERC Ortiz, ... SMARTGREENS, 12-21	2	2013
Experimental test of an interacting multiple model filtering algorithm for actuator fault detection and diagnosis of an unmanned quadrotor helicopter MH Amoozgar, A Chamseddine, YM Zhang International Conference on Intelligent Robotics and Applications, 473-482	2	2012
Investigation, flight testing, and comparison of three nonlinear control techniques with application to a quadrotor unmanned aerial vehicle T Li, Y Zhang, B Gordon AIAA Guidance, Navigation, and Control Conference, 4916	2	2012
Coverage control in multi-agent systems subject to communication delays F Sharifi, Y Zhang, H Mahboubi, AG Aghdam Mechatronics and Embedded Systems and Applications (MESA), 2012 IEEE/ASME ...	2	2012
Flatness-based trajectory planning to improve actuator fault-tolerance capability A Chamseddine, C Join, D Theilliol, D Sauter, Y Zhang Conférence Méditerranéenne sur l'Ingénierie Sûre des Systèmes Complexes ...	2	2011
Identification of genes differentially expressed by Metarhizium anisopliae growing on Locusta migratoria wings using suppression subtractive hybridization C Zhang, Y Xia, Z Li Current microbiology 62 (5), 1649-1655	2	2011
Clinical Random Study of Effect of Jianpi Tianjing Fang Granule on Low-grade Cognitive Handicap Change to Dementia [J] Y HE, L DONG, R ZHANG, J LI, P ZHOU, X ZHANG, L BI, B HE, J ZHOU Chinese Archives of Traditional Chinese Medicine 12, 033	2	2008
Analysis of element content in water in the high prevalence areas of Shanxi province Y He, K Zhang, J Wang, X Zheng, T Zhang Maternal and Child Health Care of China 23, 1246-1248	2	2008
Induction of chemical hepatocarcinogenesis and establishment of orthotopic liver transplantation model with hepatocarcinoma in rats Y Ma, YP Hua, ZB Chen, JX Zhang Zhonghua yi xue za zhi 86 (12), 850-853	2	2006
Thermodynamic Modeling and Numerical Simulation of Single-Shaft Microturbine Performance X Hao, G Zhang, J Zhou, Y Chen Energy Systems Laboratory (http://esl.tamu.edu)	2	2006
Edge Detection Based on computer vision in geometrical measurement [J] H ZHANG, Y TAN, H LU Journal of Wuhan University of Science and Engineering 10, 004	2	2006

TITLE	CITED BY	YEAR
Electromyography study on complete bilateral cleft lip after reparation. PH Zheng, FC Wei, JW Zheng, DH Song, KH Zhang Shanghai kou qiang yi xue= Shanghai journal of stomatology 13 (5), 371-374	2	2004
Nursing cooperation of three cases of human hand allograft [J] L TAN, J ZHANG, X LIAO, W KANG Nanfang Journal of Nursing 7	2	2004
Transvaginal sonography of congenital mullerian duct anomalies H ZHANG, W LI, Y WU, Z SHE, H WANG, L CHEN, H LUO Chinese Journal of Medical Imaging Technology, S2	2	2004
The Surgical Modality of Reflux Esophagitis Prophylaxis after Proximal Subtotal Gastrectomy for Cardiac Carcinoma [J] Y HUA, S HAN, J ZHANG Journal of Oncology 5, 014	2	2003
Retrofit fault-tolerant tracking control design of an unmanned quadrotor helicopter considering actuator dynamics Z Liu, C Yuan, X Yu, Y Zhang International Journal of Robust and Nonlinear Control	2	
A novel robust attitude control for quadrotor aircraft subject to actuator faults and wind gusts Y Guo, B Jiang, Y Zhang IEEE/CAA Journal of Automatica Sinica 5 (1), 292-300	1	2018
Network Intrusion Detection Based on Directed Acyclic Graph and Belief Rule Base BC Zhang, GY Hu, ZJ Zhou, YM Zhang, PL Qiao, LL Chang ETRI Journal 39 (4), 592-604	1	2017
Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques P Li, X Yu, X Peng, Z Zheng, Y Zhang Science China Information Sciences 60 (7), 070204	1	2017
Distributed fault-tolerant containment control for multi-UAVs with actuator and sensor faults Z Yu, Y Zhang, Y Qu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 753-758	1	2017
Fault diagnosis of an unmanned quadrotor helicopter based on particle filter Y Yi, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 1432-1437	1	2017
Experimental test of unmanned ground vehicle delivering goods using RRT path planning algorithm Y Dong, Y Zhang, J Ai Unmanned Systems 5 (01), 45-57	1	2017
Model-free active fault-tolerant cooperative control in an offshore wind farm H Badihi, Y Zhang, H Hong Control and Fault-Tolerant Systems (SysTol), 2016 3rd Conference on, 269-274	1	2016

TITLE	CITED BY	YEAR
Wind estimation using the position information from a hovering quadrotor Y Qu, Z Xing, Y Zhang Guidance, Navigation and Control Conference (CGNCC), 2016 IEEE Chinese, 1345 ...	1	2016
Linear parameter varying control of unmanned quadrotor helicopter with mass variation and battery drainage Z Liu, C Yuan, Y Zhang Guidance, Navigation and Control Conference (CGNCC), 2016 IEEE Chinese, 1864 ...	1	2016
Full-altitude attitude angles envelope and model predictive control-based attitude angles protection for civil aircraft Y Dong, Y Zhang, J Ai Aerospace Science and Technology 55, 292-306	1	2016
Nonlinear tracking control methods applied to Qball-X4 quadrotor UAV against actuator faults H Wang, Y Zhang, Y Yi, J Xin, D Liu Control and Decision Conference (CCDC), 2016 Chinese, 3478-3483	1	2016
Trajectory Planning for Terminal Area Energy Management Phase of Reusable Launch Vehicles L Mu, X Yu, Y Zhang, P Li, X Wang IFAC-PapersOnLine 49 (17), 462-467	1	2016
Experimental test of artificial potential field-based automobiles automated perpendicular parking Y Dong, Y Zhang, J Ai International Journal of Vehicular Technology 2016	1	2016
Wind field on-line extraction based on small-window sliding Fourier transform L Yu, Y Qu, Y Zhang Information and Automation, 2015 IEEE International Conference on, 2287-2292	1	2015
A Study of Regional Brand Positioning Strategy for Linhai Orange Based on Soft Laddering Y Tao, Y Zhang Asian Agricultural Research 7 (6), 41	1	2015
Automatic Load Alleviation Simulation During Boom Refueling for UAV Y Qu, Z Yu, Y Zhang ICIUS	1	2015
Fault Detection and Diagnosis for NASA GTMUAV with Dual Unscented Kalman Filter YM Zhang Handbook of Unmanned Aerial Vehicles, 1157-1181	1	2015
Calibration of initial cable forces in cable-stayed bridge based on Kriging approach J Zhang, FTK Au Finite Elements in Analysis and Design 92, 80-92	1	2014
Research on hot-press splicing technology for composite prepreg tape Y Shi, T Yu, Y Zhang, X He, C Kang Innovative Design and Manufacturing (ICIDM), Proceedings of the 2014 ...	1	2014

TITLE	CITED BY	YEAR
Fault-Tolerant Control of a Class of Switched Time-Delay Systems with Average Dwelling Time Method Y Jin, J Fu, Y Zhang, Y Jing, X Qian, T Ren IFAC Proceedings Volumes 47 (3), 11673-11678	1	2014
Design of a pole placement active power control system for supporting grid frequency regulation and fault tolerance in wind farms H Badihi, Y Zhang, H Hong IFAC Proceedings Volumes 47 (3), 4328-4333	1	2014
Identification of low order equivalent transfer function model of Trex-700E helicopter from flight test data MH Mohajerani, H Bolandhemmat, Y Zhang, HW Loewen AIAA Modeling and Simulation Technologies Conference, 1344	1	2014
Distributed coordination of a network of nonidentical agents with limited communication capabilities in the presence of fixed obstacles H Mahboubi, F Sharifi, AG Aghdam, Y Zhang American Control Conference (ACC), 2013, 5398-5403	1	2013
Adaptive fault compensation for aircraft flight systems with actuator faults Y Guo, Y Zhang, B Jiang Control and Decision Conference (CCDC), 2013 25th Chinese, 4921-4926	1	2013
Design of advanced automatic inspection system for turbine blade FPI analysis J Zheng, WF Xie, M Viens, L Birglen, I Mantegh AIP Conference Proceedings 1511 (1), 612-619	1	2013
A Whole Rate-Distortion Optimize Pronounce Based on Wireless Sensor Network QS Yu, J Zhang, JX Peng Advanced Materials Research 756, 890-894	1	2013
A coverage strategy with guaranteed collision avoidance in multi-agent systems using navigation functions F Sharifi, H Mahboubi, AG Aghdam, Y Zhang AIAA Guidance, Navigation, and Control (GNC) Conference, 5109	1	2013
Reliability analysis of fault tolerant wind energy conversion system with doubly fed induction generator P Weber, F Becker, A Mathias, D Theilliol, YM Zhang International Conference on Intelligent Robotics and Applications, 483-492	1	2012
Fault-tolerant control of a class of switched nonlinear systems with application to flight control Y Jin, J Fu, YM Zhang, Y Jing International Conference on Intelligent Robotics and Applications, 453-462	1	2012
Multiple-model-based adaptive reconfiguration control of state delayed systems with actuator faults Y Guo, Y Zhang, B Jiang, Z Zhu Mechatronics and Automation (ICMA), 2012 International Conference on, 397-402	1	2012

TITLE	CITED BY	YEAR
<p>State-feedback stabilization of linear systems subject to time-varying input delays, actuator saturation, and bounded disturbances</p> <p>J Fan, Y Zhang, Z Zheng</p> <p>American Control Conference (ACC), 2012, 5454-5459</p>	1	2012
<p>1051 MiR-133a Inhibits Colorectal Cancer Cell Growth by Direct Targeting E3 Ubiquitin Ligase RFFL and Activating p53-p21CIP1/WAF1 Pathway</p> <p>YJ Dong, CW Wu, XQ He, N Zhang, JJ Sung, S Ng, J Yu</p> <p>Gastroenterology 142 (5), S-185</p>	1	2012
<p>Tolerance of intermittent controller faults via hybrid system approach1</p> <p>H Yang, B Jiang, V Cocquempot, Y Zhang, H Gong</p> <p>IFAC Proceedings Volumes 45 (20), 836-841</p>	1	2012
<p>Measurement of Ferrite Content in Cr-Ni Austenitic Stainless Steel Weld Metals [J]</p> <p>D DONG, K ZHANG, L LI, Q ZHOU, X HU</p> <p>Physical Testing and Chemical Analysis (Part A: Physical Testing) 1, 010</p>	1	2012
<p>The Growth Advantage of the Pectoral Fin Cells of Anguilla Anguilla Under Different Culture Conditions [J]</p> <p>N MAO, Z ZHENG, T LIN</p> <p>Fujian Journal of Agricultural Sciences 3, 004</p>	1	2012
<p>Fault Diagnosis, Fault-tolerant and Cooperative Control for Unmanned Systems</p> <p>Y Zhang, A Chamseddine, CA Rabbath, BW Gordon, CY Su, C Fulford, ...</p> <p>IFAC Proceedings Volumes 45 (20), 564-569</p>	1	2012
<p>Discussion on quantitative analysis method of components in a lime composite desulfurizer [J]</p> <p>K Zhang, LX Li, DC Dong, CY Zhu, XJ Hu</p> <p>Metallurgical Analysis 11, 006</p>	1	2011
<p>Analysis on characteristics of a varicella outbreak with high immunity level</p> <p>XY Geng, QY Yu, Z Li, J Zhang</p> <p>Chin J Public Health Manag 27 (4), 395-6</p>	1	2011
<p>Effect of chitosan deacetylation degree on surface properties and fibrinogen adsorption of alginate/chitosan microcapsules</p> <p>H Xie, X Li, W Yu, J Zheng, F Wang, W Xie, X Ma</p> <p>Acta Materiae Compositae Sinica 2, 020</p>	1	2011
<p>Comparison of Parallel and Single Neural Networks in Heart Arrhythmia Detection by Using ECG Signal Analysis</p> <p>ESH Rootah, Y Zhang, Z Tian</p> <p>Annual Conference of the Prognostics and Health Management Society</p>	1	2011
<p>Modeling and Controlling of PEMFC Water Mass [J]</p> <p>P ZHANG, Q YAN, D YU</p> <p>Journal of System Simulation 8, 053</p>	1	2010
<p>Treatment of ureter superior segment calculus by combining holmium laser intracavitary therapy with extracorporeal shock-wave lithotripsy [J]</p> <p>X ZHANG, J GUO, A MING, H LENG, Y WU, Y LIU, K ZHANG, C YAN</p> <p>China Journal of Endoscopy 12, 019</p>	1	2010

TITLE	CITED BY	YEAR
Fault tolerant decentralized receding horizon control for cooperative multiple vehicle systems HA Izadi, BW Gordon, Y Zhang Control Conference (ECC), 2009 European, 3002-3007	1	2009
Purification and analysis of soft-shell turtle iridovirus C ZHU, H LIU, J YANG, X LIU, Z ZHENG, T LIN Fujian Journal of Agricultural Sciences 2, 007	1	2009
Analysis of multi-transformer economic operation under parallel [J] Y TAN, S ZHANG Heilongjiang Electric Power 4, 006	1	2009
An in vitro model applicable for fatty liver lipotoxicity pharmacological research YY Hu, H Zhang, SD Chen, Q Feng, X Lu, YZ Tan Zhonghua gan zang bing za zhi= Zhonghua ganzangbing zazhi= Chinese journal ...	1	2008
Analysis on misdiagnosis of corneal endotheliitis in 17 patients [J] X ZHANG, W MIAO Jilin Medical Journal 11, 016	1	2008
Study of efficient Markov chains for identifying geotechnical model uncertainty J Zhang, WH Tang, LM Zhang, LF Chu Proc. the 4th Asian-Pacific Symposium on Structural Reliability and Its ...	1	2008
Analysis on the effect of secondary mutations on Leber's hereditary optic neuropathy Y Wang, Y Tong, SX Hu, JY Wang, JB Shao, HX Zhang Zhonghua yi xue yi chuan xue za zhi= Zhonghua yixue yichuanxue zazhi ...	1	2007
Meta-analysis of anti-cold medicines and analysis of rational use JF Zhang, GR Liao, QL Yu China Pharmacy 18 (17), 1356-1360	1	2007
The rate of hepatitis B virus resistance to adefovir dipivoxil (ADV) and the evolution of hepatitis B virus in lamivudine-resistant chronic hepatitis B patients with ADV m... YL Qin, JM Zhang, YX Huang, RC Mao, YK Yin, WQ Zhang, QB Zhang, ... Zhonghua gan zang bing za zhi= Zhonghua ganzangbing zazhi= Chinese journal ...	1	2007
Phase-sisentive Protection for Low-voltage Motor and Realized by Single-chip Microcomputer [J] Y ZHAN, C ZHANG Journal of Luohe Vocational Technology College 4, 089	1	2007
VTK-based free multi-planar reformation J Shuai, YQ Tan, JY Sun, YQ Hua, JG Zhang Zhongguo yi liao qi xie za zhi= Chinese journal of medical instrumentation ...	1	2007
Effects of target thickness on emission direction of hot electrons generated from subrelativistic intensity laser pulses interacting with foil targets ZY Zheng, YT Li, XH Yuan, MH Xu, WX Liang, QZ Yu, Y Zhang, ZH Wang, ...	1	2006

TITLE	CITED BY	YEAR
One case of parotid gland fistula caused by the external auditory canal cholesteatoma Z Pei, XB Zhang, HS Deng, J Lu Zhonghua er bi yan hou tou jing wai ke za zhi= Chinese journal of ...	1	2006
Cardiac echinococcosis. H Ren, H Zhang, CJ Zhang, ZZ Du Chinese medical sciences journal= Chung-kuo i hsueh k'o hsueh tsa chih 20 (4 ...	1	2005
Effect of intermediate rolling on the microstructure and Je performance of Ag-sheathed Bi-2223 tapes HP Yi, L Liu, XH Song, W Kang, JS Zhang, Q Liu, Z Han, K Zheng Physica C: Superconductivity and its applications 419 (3-4), 109-114	1	2005
Arc-length Equation of the Middle Spiral Curve in Highway Surveying: Theory and Effect K ZHANG, R ZHANG, Z YU Bulletin of Surveying and Mapping 6, 011	1	2005
Preliminary analysis on the proteomic feature of Guillain-Barré syndrome-associated Campylobacter jejuni XY Tian, JZ Zhang, CY Li, LH He, RC Liu, Y Yin, QH Zou, Z Zhao Zhonghua liu xing bing xue za zhi= Zhonghua liuxingbingxue zazhi 25 (3), 240-244	1	2004
Parallel driving to plasma electrode Pockels cells X Zhang, G Feng, K Zheng CHINESE JOURNAL OF LASERS 31 (10), 1173-1176	1	2004
Synthesis of 1-difluorobenzene-4-acylpiperzines derivatives X Liao, C Rong, X Wu, J Zhang, Y Yu, Y Zhao CHEMICAL RESEARCH AND APPLICATION 16 (4), 498-500	1	2004
Analysis of complications by transurethral resection of the prostate and nursing countermeasues [J] X LI, L TAN, J ZHANG Nanfang Journal of Nursing 6	1	2004
Sequence diversity analysis of CagA gene and corresponding protein in Helicobacter pylori J Zhou, X Zeng, Y Yin, X Guo, JZ Zhang WORLD CHINESE JOURNAL OF DIGESTOLOGY 12 (6), 1307-1312	1	2004
A Study of Preparations and Properties of CdS Films for Solar Cells B Li, W Cai, L Feng, Y Cai, J Zheng, J Zhang, W Li, L Wu Optoelectronic Technology 24, 84-88	1	2004
Preparation and photocatalytic behavior of TiO 2 coatings on glass. KS Guan, HR Bai, YS Yin, JS Zhang Materials for Mechanical Engineering(China) 27 (2), 34-36	1	2003
Jaffeson and Robespierre: On Freedom of Press K ZHANG, K CHENG Wuhan University Journal (Philolphy & Social Science Edition) 3, 016	1	2002
Molecular Biological Traits of Porcine epidemic diarrhea virus Q Zhang, F Guo, Y Yin VIROLOGICA SINICA 17 (4), 381-384	1	2002

TITLE	CITED BY	YEAR
<p>The application of F~ n index method in fracture distribution pattern of complex structure</p> <p>L Zou, X Shen, H Zhang, D Fang</p> <p>JOURNAL-ZHEJIANG UNIVERSITY-SCIENCES EDITION- 28 (1), 112-118</p>	1	2001
<p>Field Test and Study of Bucket Foundation Suction Penetration and Its Application</p> <p>S Zhang, X Chu</p> <p>JOURNAL OF OCEANOGRAPHY OF HUANGHAI AND BOHAI SEAS 18 (4), 51-55</p>	1	2000
<p>Inhibitory Effect of Gomisin J on the Oxidative Modification of Low Density Lipoprotein</p> <p>X Zhang, D Chen, Z Gu</p> <p>JOURNAL-SHANGHAI MEDICAL UNIVERSITY 26, 258-260</p>	1	1999
<p>Microvascular decompression of pons for idiopathic hemifacial spasm and exploration of its mechanism</p> <p>K Zhang</p> <p>Zhonghua er bi yan hou ke za zhi 33 (6), 344-346</p>	1	1998
<p>Comprehensive utilization of tannin from Ephedra</p> <p>XF Zhang, BL Hu</p> <p>CHINESE JOURNAL OF PHARMACEUTICALS 28, 13-13</p>	1	1997
<p>Model-group switching algorithm for multiple-model estimation with variable structure</p> <p>X Li, X Zhi, Y Zhang, X Li, X Zhi, Y Zhang</p> <p>Guidance, Navigation, and Control Conference, 3453</p>	1	1997
<p>Influence of 6, 7-dimethoxycoumarin on toxicity and pharmacodynamics of cyclophosphamide</p> <p>YD Wan, ZY Zheng, JZ Huang, OZ Zang, JH Xu</p> <p>Zhongguo yao li xue bao= Acta pharmacologica Sinica 11 (1), 79-85</p>	1	1990
<p>A New Extractant of Gold--(2-Ethylhexyl)-Ethylether</p> <p>W Zhang, J Zhao, L Zhou</p> <p>Guijinshu(Precious Metals) 9 (3), 9-14</p>	1	1988
<p>Predictive Control of a Closed Grinding Circuit System in Cement Industry</p> <p>LI Minchala, Y Zhang, L Garza-Castañón</p> <p>IEEE Transactions on Industrial Electronics 65 (5), 4070-4079</p>		2018
<p>SYSTEMS (ICuAS 2018)</p> <p>ZP Jian, Y Zhang, F Quagliotti, D Zoldi, TA Johansen, J Stoustrup, ...</p>		2018
<p>Fault-Tolerant Containment Control of Multiple Unmanned Aerial Vehicles Based on Distributed Sliding-Mode Observer</p> <p>Z Yu, Y Qu, Y Zhang</p> <p>Journal of Intelligent & Robotic Systems, 1-15</p>		2018
<p>Prediction of Water Inrush Areas Under an Unconsolidated, Confined Aquifer: The Application of Multi-information Superposition Based on GIS and AHP in the Qido...</p> <p>L Chen, X Feng, D Xu, W Zeng, Z Zheng</p> <p>Mine Water and the Environment, 1-10</p>		2018

TITLE	CITED BY	YEAR
Collision-Free Trajectory Generation and Tracking for UAVs Using Markov Decision Process in a Cluttered Environment X Yu, X Zhou, Y Zhang Journal of Intelligent & Robotic Systems, 1-16		2018
Robust adaptive multivariable bi-limit homogeneous higher-order sliding mode flight control for AHVs with actuator faults P Li, X Yu, Y Zhang Advanced Mechatronic Systems (ICAMechS), 2017 International Conference on ...		2017
Tire-road friction coefficient estimation based on longitudinal measurements J Hu, S Rakheja, Y Zhang Advanced Mechatronic Systems (ICAMechS), 2017 International Conference on ...		2017
Special Issue on Unmanned Aircraft Systems KP Valavanis, YQ Chen, F Quagliotti, D Theilliol, A Tsourdos, Y Zhang JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS 88 (2-4), 217-217		2017
Adaptive Sliding Mode Fault-Tolerant Control for an Unmanned Aerial Vehicle B Wang, Y Zhang Unmanned Systems 5 (04), 209-221		2017
Non-prespecified Starting Depot Formulations for Minimum-Distance Trajectory Optimization in Patrolling Problem W Ghadiry, J Habibi, AG Aghdam, Y Zhang Journal of Intelligent & Robotic Systems 87 (3-4), 699-710		2017
Sensor Fault Diagnosis for Unmanned Quadrotor Helicopter via Adaptive Two-Stage Extended Kalman Filter Y Zhong, W Zhang, Y Zhang Sensing, Diagnostics, Prognostics, and Control (SDPC), 2017 International ...		2017
Distributed Adaptive Fault-Tolerant Cooperative Control for Multi-UAVs Against Actuator and Sensor Faults Z Yu, Y Qu, Y Zhang, Y Zhang ASME 2017 International Design Engineering Technical Conferences and ...		2017
Adaptive Fractional-Order Fault-Tolerant Tracking Control for UAV Based on High-Gain Observer Z Yu, Y Zhang, Y Qu, Z Xing ASME 2017 International Design Engineering Technical Conferences and ...		2017
Adaptive robust control of quadrotor helicopter towards payload transportation applications B Wang, L Mu, Y Zhang Control Conference (CCC), 2017 36th Chinese, 4774-4779		2017
Fault-tolerant control design against actuator faults with application to UAV formation flight X Yu, P Li, Y Zhang Control Conference (CCC), 2017 36th Chinese, 7167-7171		2017

TITLE	CITED BY	YEAR
Distributed path planning for controlling a fleet of UAVs: application to a team of quadrotors A Belkadi, H Abaunza, L Ciarletta, P Castillo, D Theilliol IFAC-PapersOnLine 50 (1), 15983-15989		2017
Fault-tolerant adaptive control allocation for unmanned multirotor helicopter B Wang, Y Zhang, JC Ponsart, D Theilliol IFAC-PapersOnLine 50 (1), 5269-5274		2017
Fuzzy adaptive fault-tolerant control for quadrotor helicopter B Wang, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 945-950		2017
Real-time wind vector estimation for a micro UAV Y Qu, Z Xing, Y Zhang, Z Yu Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 1716-1721		2017
Adaptive robust tracking control of quadrotor helicopter with parametric uncertainty and external disturbance B Wang, L Mu, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 402-407		2017
Collision-free trajectory generation for UAVs using Markov decision process X Yu, X Zhou, Y Zhang Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 56-61		2017
Path following control of unmanned quadrotor helicopter with obstacle avoidance capability Z Liu, L Ciarletta, C Yuan, Y Zhang, D Theilliol Unmanned Aircraft Systems (ICUAS), 2017 International Conference on, 304-309		2017
On the performance of improved extended state observer based control for uncertain systems with measurement noises Y Guo, Y Zhang Control And Decision Conference (CCDC), 2017 29th Chinese, 7072-7077		2017
Robust adaptive dynamic surface control for receiver UAV during boom refueling in the presence of vortex Z Yu, Y Qu, Y Zhang Control And Decision Conference (CCDC), 2017 29th Chinese, 1798-1803		2017
Fault detection based on belief rule base with online updating attribute weight Z Zhou, Z Feng, C Hu, F Zhao, Y Zhang, G Hu Automation (YAC), 2017 32nd Youth Academic Annual Conference of Chinese ...		2017
Comparison of a novel un-baffled and a conventional shell-and-tube dry-expansion evaporator YD Yin, DS Zhu, JF Sun, XZ Li, JN Zhang, CD Lin Applied Thermal Engineering 113, 1137-1145		2017
A Global Path Planning Algorithm for Fixed-wing UAVs Y Qu, Y Zhang, Y Zhang Journal of Intelligent & Robotic Systems, 1-17		2017

TITLE	CITED BY	YEAR
Design of an Energy Management System for Secure Integration of Renewable Energy Sources into Microgrids LI Minchala, Y Zhang, O Probst Development and Integration of Microgrids		2017
Special Issue: Unmanned Aircraft Systems YQ Chen, F Quagliotti, Y Zhang, K Valavanis Journal of Intelligent & Robotic Systems 84 (1-4), 3		2016
Fault-tolerant cooperative control of WMRs under actuator faults based on particle swarm optimization MA Kamel, X Yu, Y Zhang Control and Fault-Tolerant Systems (SysTol), 2016 3rd Conference on, 21-26		2016
An algorithm of online wind field estimation for small fixed-wing UAVs Y Qu, J Duan, Y Zhang Control Conference (CCC), 2016 35th Chinese, 10645-10650		2016
Belt grinding process with force control system for blade of aero-engine J Duan, Y Zhang, Y Shi Proceedings of the Institution of Mechanical Engineers, Part B: Journal of ...		2016
On these pages, we feature a selection of the excellent work that has recently been published in our sister journals. If you are reading these pages on T van Leeuwen, J Gan, JCM Kistemaker, SF Pizzolato, MC Chang, ... Angew. Chem. Int. Ed 55, 6128-6131		2016
Active fault tolerant control of an unmanned surface vehicle Z Liu, Y Zhang, C Yuan Control, Automation and Systems (ICCAS), 2015 15th International Conference ...		2015
Application of Model Predictive Control to Position and Height Limitation of a Quadrotor Unmanned Aerial Vehicle Y Dong, Z Liu, B Yu, Y Zhang ASME 2015 International Design Engineering Technical Conferences and ...		2015
Active Disturbance Compensating Tracking Control of an Unmanned Quadrotor Helicopter Z Liu, X Yu, C Yuan, Y Zhang, J Luo ASME 2015 International Design Engineering Technical Conferences and ...		2015
Optimization-based reliable control allocation/reallocation design for over-actuated systems D Theilliol, P Weber, A Chamseddine, Y Zhang IEEE International Conference on Unmanned Aircraft Systems, ICUAS 2015		2015
Data-Driven Model-Based Fault Diagnosis in a Wind Turbine With Actuator Faults H Badihi, JS Rad, Y Zhang, H Hong ASME 2014 International Mechanical Engineering Congress and Exposition ...		2014
Fault-Tolerant Control of a Master Generation Unit in an Islanded Microgrid LI Minchala, A Vargas, L Garza-Castañón, R Morales-Menendez, ... World Congress 19 (1), 5327-5332		2014

TITLE	CITED BY	YEAR
Passive fault-tolerant flight controller design against actuator outages X Yu, Y Zhang Guidance, Navigation and Control Conference (CGNCC), 2014 IEEE Chinese, 1276 ...		2014
Dephosphorylation of NSSR1 regulates alternative splicing of the GluR-B minigene W Zhang, LL Li, XH Chen, ZY Peng Genetics and Molecular Research 13 (1), 1753-1763		2014
Hybrid adaptive fault-tolerant control algorithms for voltage and frequency regulation of an islanded microgrid: FAULT-TOLERANT CONTROL OF AN ISLANDED MI... A Vargas-Martínez, I Minchala, Y Zhang, LE Garza-Castañón		2014
Forest Fire Monitoring and Detection using a Network of Autonomous Vehicles F Sharifi, Y Zhang, AG Aghdam Proceedings of International Conference on Intelligent Unmanned Systems 10		2014
Automatic Vision-Based Forest Fire Detection Technologies for Unmanned Aerial Vehicles C Yuan, Y Zhang, Z Liu Proceedings of International Conference on Intelligent Unmanned Systems 10		2014
Fault-Tolerant Control design for a large off-shore wind turbine using Fuzzy Gain-Scheduling and Signal Correction H Badihi, Y Zhang, H Hong American Control Conference (ACC), 2013, 1448-1453		2013
Effect of~(60) Co-γ irradiation sterilization on the stability of alginate/chitosan microcapsules J ZHENG, H XIE, W YU, X LIU, W XIE, X MA Journal of Functional Materials 5, 010		2013
Mechanism of Cracks in Steel Plate-concrete Composite Shear Wall and Control Measures K Zhang, K Sun, Z Liu, J Zhou Shigong Jishu/Construction Technology 42 (1)		2013
Image Processing and Classification Applications in Aerospace NDT and Honey Bee Health Monitoring J Zheng Concordia University		2012
Comparative study of the earthing systems for micro-grid WH Lu, W Yao, J Luo, Z Cheng, JZ Cheng, PH Zhang, SS Li, SR Wang Power System Protection and Control 40 (19), 103-108		2012
Isolation and sequence analysis on virus of HFMD with encephalitis in Yantal city WQ Han, LF Gong, J Liu, P Zhang, Q Gao, Y Sun, LQ Lv, H Memg Zhonghua shi yan he lin chuang bing du xue za zhi= Zhonghua shiyan he ...		2012
Retrieval System of Library Based on Ontology [J] P ZHANG, J LUO, Z CHENG, L WU Journal of Guangxi University for Nationalities (Natural Science Edition) 2, 013		2012

TITLE	CITED BY	YEAR
<p>Growth Factors, bFGF and IFG-1, in Pectoral Fin Passage Cells of <i>Anguilla anguilla</i> N MAO, Z ZHENG, S CHEN Fujian Journal of Agricultural Sciences 6, 005</p>		2012
<p>ENGR691X PROJECT PRESENTATION Y ZHANG</p>		2011
<p>Influence of mechanical bending and temperature on the threshold voltage instability of a-Si: H thin-film transistors under electrical stress SW Taso, TC Chang, MC Wang, SC Chen, J Lu, CF Weng, YF Wei, ... Solid-State Electronics 63 (1), 55-59</p>		2011
<p>Uncertainty Evaluation on Rockwell Hardness Results of X70 Pipeline Steel K ZHANG, D DONG Physical Testing and Chemical Analysis (Part A: Physical Testing) 9, 012</p>		2011
<p>Multiferroic double-perovskite Bi₂FeMnO₆ hollow particles Y Du, ZX Cheng, HY Zhao, H Kimura, P Zhang, ZP Guo, XL Wang Current applied physics</p>		2011
<p>Engineering functional chitosan for delivery of drugs or RNAs X Liu, Y Yang, H Zhou, W Yu, J Zheng, D Zhang, X Ma Drug Discovery Today 15 (23-24), 1084-1085</p>		2010
<p>Fault-Tolerant Flight Control System Design by a Dual-Loop Control Strategy M Mehrtash, WF Xie, Y Zhang 48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and ...</p>		2010
<p>Adaptive retrofit fault-tolerant flight controller design X Yu, Z Zheng, Y Zhang, X Lu Control Conference (ECC), 2009 European, 1662-1667</p>		2009
<p>Microstructure analysis of silver relics from Tang Dynasty Chen Yuan-tong couple's tomb in Fujian J Ma, K Zhang, B Cheng, D Dong Sciences of Conservation and Archaeology 21 (3), 59-66</p>		2009
<p>The investigation for the neuropeptides of nasal septum in perennial allergic rhinitis patient Q Zhu, S Zhang, J Wu, H Tang Lin chuang er bi yan hou tou jing wai ke za zhi= Journal of clinical ...</p>		2009
<p>The study about accelerated corrosion of the corn straw Q LI, P ZHANG, L YU, F SHI, Z CHENG Journal of Shandong University of Technology (Natural Science Edition) 1, 004</p>		2009
<p>Output Feedback Synthesis of Mixed H₂/H_∞ Fault-Tolerant Control S Ye, Y Zhang, X Wang, D Theilliol IFAC Proceedings Volumes 42 (8), 1055-1060</p>		2009
<p>Design of actuator reconfigurable control allocation versus reliability analysis D Theilliol, A Chamseddine, Y Zhang, P Weber 23rd IAR Workshop on Advanced Control and Diagnosis, 327-332</p>		2008

TITLE	CITED BY	YEAR
<p>Low-contrast small target image enhancement based on rough set theory [6833-63]</p> <p>Y Yong, B Wang, W Zhang, Z Peng PROCEEDINGS-SPIE THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING 6833 (2 ...</p>		2008
<p>From BCS to Hts and Rts</p> <p>CW Chu Proceedings Of The Conference In Honor Of CN Yang's 85th Birthday ...</p>		2008
<p>Design and Implementation of Shooting Range WebGIS on ArcIMS</p> <p>Y MA, Y HUA, J ZHANG Journal of Geomatics Science and Technology 2, 019</p>		2008
<p>Research progress in computer-aided diagnosis of multidimensional medical images</p> <p>J Shuai, YQ Hua, JG Zhang Zhongguo yi liao qi xie za zhi= Chinese journal of medical instrumentation ...</p>		2008
<p>Robust fault-tolerant tracking control with application to flight control systems with uncertainties</p> <p>S Ye, Y Zhang, Y Li, X Wang, R Camille-Alain Proceedings of the Tenth IASTED International Conference 622, 101</p>		2008
<p>Effects of ethyl acetate extract of Semen Hoveniae on liver microsomal cytochrome P450 isoenzyme in rat</p> <p>H Zhang, J Song, XA Zhan, Y Tan Zhongguo Zhong yao za zhi= Zhongguo zhongyao zazhi= China journal of Chinese ...</p>		2007
<p>Integrated Protection Device for Low-voltage Motor Based on Single Chip</p> <p>C ZHANG, Y ZHAN, X XU Modern Electronics Technique 14, 012</p>		2007
<p>Inhibition of hepatitis B virus expression and replication by RNA interference</p> <p>XY Wang, JM Zhang, YK Yin, Y Xie, YX Huang, XH Wu, XH Weng WORLD CHINESE JOURNAL OF DIGESTOLOGY 15 (15), 1688</p>		2007
<p>Arterial Saccular Aneurysm Induction by Reducing the Pressure on the outer Wall of the Artery: A New Animal Model</p> <p>K Zhang, W Zhao, Z Liu World Congress on Medical Physics and Biomedical Engineering 2006, 3408-3410</p>		2007
<p>Expressing of the translationally controlled tumor protein gene of Plasmodium falciparum strain hainan in E. coli M15</p> <p>Z Fu, Z Chen, J Zhang, Y Hua, Y Cheng ACTA PARASITOLOGICA ET MEDICA ENTOMOLOGICA SINICA 14 (2), 67</p>		2007
<p>VISUALIZATION AND COMPUTER GRAPHICS</p> <p>H Li, W Chen, IF Shen, J Zheng, Y Cai, J Seo, B Shneiderman, ...</p>		2006
<p>In-service training of librarians under the network environment [in Chinese]</p> <p>X Zhang, J Zhou School of Communication & Information, Nanyang Technological University</p>		2006

TITLE	CITED BY	YEAR
Prevention and treatment of pulmonary infections after pancreas-kidney transplantation: an analysis of 4 cases Y Jiang, LZ Lv, HZ Hu, XJ Zhang, YB Chen, K Zhang, SH Chen, SG Zhang WORLD CHINESE JOURNAL OF DIGESTOLOGY 14 (24), 2464		2006
The therapeutic effect analysis of interventional therapy with microwave via bronchofibroscope for the 49 non-scar period endobronchial tuberculosis. Z HE, X ZHANG, Z GU Journal of Clinical and Experimental Medicine 10, 021		2006
Evaluation of design methods for large-diameter bored piles FLF Chu, L Zhang New Generation Design Codes For Geotechnical Engineering Practice—Taipei ...		2006
Synthesis of 1-(4'-nitrophenyl)-3-(3"-methylpyridyl)-triazeneand Its Color Reaction with Zinc (II) Ion Y Zheng, C Zhang, Y Zhan PHYSICAL TESTING AND CHEMICAL ANALYSIS PART B CHEMICAL ANALYSIS 42 (12), 988		2006
Application of elementary transformation of matrix X Zhan, J Wen, H Zhang JOURNAL-JILIN INSTITUTE OF CHEMICAL TECHNOLOGY 23 (3), 74		2006
Design and Application of Power High Voltage Current-stabilized Regulator Z MIN, Z LIU, W ZHENG Power Electronics 3, 036		2006
The Application of Learning Transfer in the Learning of Anatomy [J] S MEI, J ZHENG, Y JING, J CHENG Journal of Xiangfan Vocational and Technical College 6, 030		2006
Department of Materials Science & Engineering, Tsinghua University, Beijing 100084, China HP Yi, L Liu, XH Song, W Kang, L Liu, JS Zhang, Q Liu, Z Han, K Zheng Physica-Section C 419 (3-4), 109-114		2005
Design and development of internet resource navigation database on key disciplines in CALIS project X Zhang, H Zhang, X Xiao International Conference on Asian Digital Libraries, 630-635		2004
Knowledge and attitudes towards HIV/AIDS among the general populations in Hubei province CN Zhang, QH Xia, XY Hu, JD Xu, NN Xiong Chinese Journal of Health Education 20 (10), 877-880		2004
Original Research Papers-Systematics and Evolution-Phylogenetic Relationships of the Subclass Peritrichia (Oligophymenophorea, Ciliophora) Inferred from Small S... W Miao, WS Fen, YH Yu, XY Zhang, YF Shen Journal of Eukaryotic Microbiology 51 (2), 180-186		2004
Research on 2x1 plasma electrode electro-optical switch XJ Zhang, KX Zheng, B Feng, DS Wu, JP Lu, XL Tian, F Jin, Z Sui, XF Wei, ... High-power Lasers and Applications 5627, 25		2004

TITLE	CITED BY	YEAR
Characteristic research on special neutron beam equipment Y Li, P Xia, Y Gao, G Zhu, W Zheng Atomic Energy Science and Technology 38 (Suppl.), 31-33		2004
Effect of Series Resistance on Stability of CdS/CdTe Solar Cell X Huang, J Zheng, Y Cai, L Wu, W Li, B Li, Q Yan JOURNAL-SICHUAN NORMAL UNIVERSITY NATURAL SCIENCE EDITION 27 (5), 513-515		2004
Complication of acute hemolytic crisis and fulminant hepatic failure in a Wilson's patient YK Yin, JW Wang, WQ Zhang, JM Zhang, QB Zhang, XH Wu Zhonghua gan zang bing za zhi= Zhonghua ganzangbing zazhi= Chinese journal ...		2003
Introduction to Material Science and Engineering W Zhang, Q Shang, Z Peng Donghua University Press		2003
A clinical study of patient-controlled analgesis with epidural tramadol S Zhuang, X Fang Hainan Medical Journal 16 (1), 35-36		2003
The importance of pharmaceutical care in treatment of community-acquired pneumonia with antibiotics QL Zhang, YY Cai, S Zhang Pharmaceutical Care and Research 3 (1), 4-5		2003
The controlled preparation of ZnO superlattice particles with hexagonal shape XJ Wang, XX Zhang, CQ Ma, JH Zhang, QZ Zhu, JZ Jiang CHINESE JOURNAL OF INORGANIC CHEMISTRY 19 (1), 29-36		2003
Preparation of SL-II reservoir physical model J Wang, H Zhang, S Lu, H Luo ACTA PETROLEI SINICA 24 (6), 77-80		2003
Analysis of affecting factors on efficiency of warm-air coking and sand control K Zhang, Y Zhao, J Liang JOURNAL-UNIVERSITY OF PETROLEUM CHINA NATURAL SCIENCE EDITION 27 (3; ISSU ...		2003
A general view about MPEG-7 Q ZHANG, Y YIN Tv Engineering 7, 004		2001
REGULATORY AND INTEGRATIVE PHYSIOLOGY-Norepinephrine turnover in peripheral tissues of rats with heart failure KP Patel, K Zhang, PK Carmines American Journal of Physiology-Regulatory Integrative and Comparative ...		2000
An analysis of serum lipoprotein (a) and lipid levels in pre-and post-menopausal hypertensive women S Zhang, Z Pei, L Zeng CHINESE JOURNAL OF INTERNAL MEDICINE 39 (7), 441-442		2000

TITLE	CITED BY	YEAR
<p>Sphingosine stereoisomers differentially affect death of estrogen receptor-negative human breast cancer cells.</p> <p>C Zhang, JJ Schroeder FASEB JOURNAL 13 (4), A584-A584</p>		1999
<p>Synthesis of 2-Dialkylaminoethyl Benzyloxyacetate Hydrochlorides and Their Promotion of Learning and Memory in mice</p> <p>YM Xia, HS Luo, MZ Li, HY Zhang CHINESE JOURNAL OF PHARMACEUTICALS 30, 357-359</p>		1999
<p>Influences of the Rare Earth Composition on the Properties of Hydrogen-storage Electrode of M~ 3B~ 5 Cell</p> <p>Z Du, Z Tian, H Zhang JOURNAL-TAIYUAN UNIVERSITY OF TECHNOLOGY 30, 476-478</p>		1999
<p>The application of laser-induced fluorescence in the diagnosis of colonic malignancies</p> <p>Y Han, LP Zhai, SR Li, G Gao, JG Zhang, HY Ding, YW Hua Gastroenterology 114, A606</p>		1998
<p>Sphingosine and ceramide differentially affect death of human breast cancer cells.</p> <p>C Zhang, JJ Schroeder FASEB JOURNAL 12 (5), A657-A657</p>		1998
<p>Floristic features and diversity of seed plants in Dehang region, Hunan</p> <p>G Chen, Z Gu, H Li, X Zhang Floristic characteristics and diversity of East Asian plants: proceedings of ...</p>		1998
<p>The corrosion-inhibition of aluminum in acidic environment by in situ electrocoagulation of polybutadienoic acid</p> <p>Y Tao, Z Gu, X Zhang 193 rd Meeting of The Electrochemical Society, Inc</p>		1998
<p>The electropurification technological process of the sulfur- containing sewage by electrooxidizing desulfidation in ECR</p> <p>Y Tao, X Zhang, Z Gu 193 rd Meeting of The Electrochemical Society, Inc, 1998</p>		1998
<p>On the Polymerization Coating Performance of Chemically Modified Materials for the Chitin and Chitosan I. Preparation of Chitin and Chitosan and Its Properties</p> <p>X Zhang, Y Tao, Z Gu JOURNAL-WUHAN UNIVERSITY NATURAL SCIENCES EDITION 44, 193-197</p>		1998
<p>Ceramide inhibits growth and induces apoptosis in human breast cancer cells.</p> <p>C Zhang, JJ Schroeder FASEB JOURNAL 11 (3), 3277-3277</p>		1997
<p>Neutron diffraction studies of the magnetic structure of Ho 2 Fe 9 Ga 8~ x Al x</p> <p>D Chen, C Gou, K Sun, Q Yan, P Zhang, B Shen, Z Cheng Chinese Journal of Nuclear Physics 19 (1), 44-47</p>		1997

TITLE	CITED BY	YEAR
<p>Calcium signalling by muscarinic acetylcholine receptors involves activation of sphingosine kinase</p> <p>DMZ Heringdorf, KT Laser, C Zhang, M Schmidt, KH Jakobs, ...</p> <p>NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY 355 (4), 180-180</p>		1997
<p>Neutron powder diffraction studies of magnetic structure of Ho 2 Fe 17 series compounds</p> <p>D Chen, C Gou, K Sun, Q Yan, P Zhang, B Shen, H Gong</p> <p>Nuclear Techniques 19 (8), 473-478</p>		1996
<p>Study of mathematical model of PWR nuclear power plant suitable for analyzing the interaction between unit and grid under serious disturbance</p> <p>X Zhou, F Gan, W Zong, Y Gu, X Jin, X Zhang, X Hu</p> <p>Nuclear Power Engineering 17 (1), 6-12</p>		1996
<p>Blunted endogenous GABA-media ted inhibition in the para ventricular nucleus on renal nerve discharge in rats with heart failure</p> <p>KP Patel, K Zhang</p> <p>FASEB Journal 10 (3)</p>		1996
<p>Microstructure-based finite element analysis of heterogeneous media with partial interface cracks</p> <p>J Zhang, N Katsube</p> <p>University of California, Los Angeles, CA (United States)</p>		1995
<p>Volume 19, Numbers I&2, February 1995</p> <p>RJ MELOSH, WD PILKEY, W KANG, U SCHRAMM, J ZHANG, ...</p> <p>Finite Elements in Analysis and Design 19, 351-352</p>		1995
<p>Design and Implementation of an Object Oriented Application Program Generator</p> <p>Z Du, C Liu, H Zhang</p> <p>MINIMICRO SYSTEMS-SHENYANG- 16, 12-12</p>		1995
<p>Determination of Chloramphenicol in Eye Drops by Adsorption Stripping Voltammetry</p> <p>LJ Zhou, QC Zhu, YQ Cai, SF ZHANG</p> <p>CHINESE JOURNAL OF PHARMACEUTICALS 25, 276-276</p>		1994
<p>Microvascular Decompression by the Retromastoid Approach for Idiopathic Hemifacial Spasm: Experience of 300 Patients</p> <p>KW Zhang, ZT Shun</p> <p>The Facial Nerve, 396-396</p>		1994
<p>Stress intensity factors for cracks in anisotropic plate subjected to pin loads</p> <p>D Cui, X Zhang, Z Gu</p> <p>The Second International Symposium on Composite Materials and Structures ...</p>		1992
<p>Kinetic approach of the deposition of silicon carbide based films obtained by PACVD</p> <p>W Zhang, M Lelogeais, M Ducarroir</p> <p>Le Journal de Physique IV 2 (C2), C2-381-C2-388</p>		1991
<p>Colloque C2, suppl. au Journal de Physique II, Vol. 1, septembre 1991</p> <p>W ZHANG, M LELOGEAIS, M DUCARROIR</p> <p>Actes de la 8ème Conférence Européenne Sur Les Dépôts Chimiques en Phase ...</p>		1991

TITLE	CITED BY	YEAR
Study on Heat Transfer of Several Kinds of Particles in a Gas-Fired Fluidized Bed Furnace and Their Selection S Zhang, X Ni Iron and Steel(China)(People's Republic of China) 25 (7), 57-61		1990
Application of CAE in Asymmetrical Rolling of Stainless Steel Sheets K Zhang, D Dong, Y Zhu, C Yan, K Liu Iron and Steel(China)(People's Republic of China) 25 (5), 24-27		1990
The recently fallen Suizhou (L-group) chondrite. W Hou, ZY Ouyang, ZH Li, WH Chen, JL Peng, XY Fang, SJ Zhuang Kexue Tongbao 33, 669-671		1988
Transonic cascade flow solved by shock-capture computation followed by separate-region computation with shock fitting CH WU, Y HUA, B WANG, Z WANG, J ZHANG Journal of Engineering Thermophysics 7, 112-119		1986
A preliminary investigation on XI Ujumqin and Mianchi chondrites W Hou, D Wang, S Zhuang, M Wei Geochemistry 3, 268-275		1983
Paving Green Passage for Emergency Vehicle in Heavy Traffic: Real-Time Motion Planning under the Connected and Automated Vehicles Environment B Li, Y Zhang, N Jia, C Zhou, Y Ge, H Liu, W Meng, C Ji		
Design of an advanced automatic inspection system for aircraft parts based on fluorescent J Zheng, WF Xie, M Viens, L Birglen, I Mantegh		
Application of FMRAC to fault-tolerant cooperative control of a wind farm with decreased power generation due to blade erosion/debris buildup H Badihi, Y Zhang, P Pillay, S Rakheja International Journal of Adaptive Control and Signal Processing		
Observer-based fault-tolerant control of hypersonic scramjet vehicles in the presence of actuator faults and saturation L Mu, L Li, X Yu, Y Zhang, P Li, X Wang International Journal of Robust and Nonlinear Control		
A QUARTERLY PUBLICATION OF THE IEEE AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY A Chamseddine, Y Zhang, CA Rabbath, C Join, D Theilliol		
Control System Design with Multiple Actuator Failures Y Zhang, J Jiang, D Theilliol		
Fault Detection and Identification for Bimodal Piecewise Affine Systems L Rodrigues, Y Zhang		
Fault Diagnosis, Fault-tolerant Control, and Cooperative Control of Manned and Unmanned Aircraft Systems Y Zhang		

TITLE	CITED BY	YEAR
Photonic Materials and Fabrication Technology The Effect of 3-MeV Proton Irradiation on the Performance of InGaN/GaN MQWs Solar Cells.....		
Z Bi, J Zhang, L Lv, Y Hao, L Fu, H Xia, Y Dong, S Li, X Gu, H Jiang, ...		
Power Cycling Reliability of Power Module: A Survey.....	C. Durand, M. Klingler, D. Coutellier, and H. Naceur	80
DF Rahman, AF George, R Drinkard, X Li, J Qing, Y Wang, L Sun, Y Shi, ...		
Cleavage Initiation Angle for High Strength Steels under Mixed-Mode Conditions		
Z Zhang, X Qian		
Book of Abstracts, 257		
Asian Agricultural Research		
G CUI, L HE		
2013 Conference on Control and Fault-Tolerant Systems (SysTol)		
S Butler, J Ringwood, F O'Connor		
MECH 370: Modelling, Simulation and Analysis of Physical Systems		
Y Zhang		
Decentralized Receding Horizon Control of Multiple Vehicle Systems		
H Izadi, BW Gordon, CA Rabbath, Y Zhang		
Integrated Robust Fault Detection, Diagnosis and Reconfigurable Control System with Actuator Saturation		
J Fan, Y Zhang, Z Zheng		