**Prof. YangQuan Chen’s Publication List (last Updated 3/26/15)**

**Citation summaries: (as of 3/25/2015, |red numbers as of 4/8/14)**

* [www.researcherid.com/rid/A-2301-2008](http://www.researcherid.com/rid/A-2301-2008) (198|183 SCI papers, ISI H-index 33|31; ISI citations: 3849|3053, top ISI cited article: 294|210 citations)
* <http://scholar.google.com/citations?hl=en&user=RDEIRbcAAAAJ> (H-index 56|51; i10-index: 288|252; total citations 15022|12155, top cited article: 632|499 citations) 15ast 5 years: Dr. Institute idi.ineering, University of California, Merced (Last 5 years: H-index 49|45; i10-index: 214|203; total citations 11474|9387)
* <http://www.scopus.com/authid/detail.url?authorId=7601439185> 518 Documents. Cited by 4040 documents. 150 co-authors. 6766 total citations. H-index: 43.

(**\*** indicates corresponding author, **+** student coauthor)

**Theses:**

1. Yangquan Chen, "High-order Iterative Learning Control: Convergence, Robustness and Applications," Ph.D. Dissertation, December 1997. School of Electrical and Electronic Engineering, Nanyang Technological University (NTU), Singapore.
2. Yangquan Chen, "Flying Vehicle Simulation Studies and Identification of Aerodynamic Coefficients From Range Test Data," Master of Engineering Thesis, April 1988. Department of Automatic Control, Beijing Institute of Technology (BIT), Beijing, China.
3. Yangquan Chen, "Special Purpose Microcomputer Hardware Design for Industrial Process Control", Bachelor of Engineering Thesis. June 1985. Department of Automation, University of Science and Technology of Beijing (USTB), Beijing, China.

**Monographs and Textbooks:**

1. Dingyu Xue and YangQuan Chen. "Modeling, Analysis and Design of Control Systems in MATLAB and Simulink" (World Scientific 2014) <http://www.worldscientific.com/worldscibooks/10.1142/9260> 580pp Nov 2014. ISBN: 978-981-4618-45-8 (hardcover)
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3. Ying Luo+ and YangQuan Chen\*. “*Fractional Order Motion Controls*” John-Wiley and Sons, Inc., 2012 (Online Oct. 2012, 424 pages) **ISBN:** 978-1119944553. DOI: 10.1002/9781118387726
4. Zhuang Jiao+, YangQuan Chen\* and Igor Podlubny. “*Distributed-Order Dynamic Systems: Stability, Simulation, Applications and Perspectives*” SpringerBrief, Springer-Verlag, Feb. 2012, 103 pages, **ISBN-13:** 978-1447128519 <http://www.springer.com/engineering/control/book/978-1-4471-2851-9>
5. Haiyang Chao+ and YangQuan Chen\*. “*Remote Sensing and Actuation Using Unmanned Vehicles*” Wiley-IEEE Press, Aug. 2012 **ISBN-13:** 978-1118122761 (IEEE Press Series on Systems Science and Engineering) <http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118122763.html>
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**Refereed Book Reviews and Guest Editorials**

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4. Editorial. Guest – Editors: Virginia Kiryakova, Yury Luchko, Francesco Mainardi, Blas Vinagre, Igor Podlubny, YangQuan Chen. *Special Issue Dedicated to 80th Anniversary of Professor Rudolf Gorenflo*. **Fractional Calculus and Applied Analysis**. Volume 14 / 2011 DOI: 10.2478/s13540-011-0001-0.
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* Jianxiong Cao, Changpin Li, YangQuan Chen. “High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (ii)” **Fractional Calculus and Applied Analysis** (accepted March 2015)
* Wei Yu, Ying Luo, YangQuan Chen and Youguo Pi. “Frequency Domain Modeling and Control of Fractional Order System for Permanent Magnet Synchronous Motor Velocity Servo System” **IET Control Theory and Applications** (conditionally accepted March 2015)
* Y. Qiu et al “Backstepping Dynamic Surface Control for Nonlinear Systems with Time-varying Output Constraints.” **IET Control Theory and Applications** (conditionally accepted March 2015)

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2. Yiding Han+, Huifang Dou\* and Yangquan Chen. “Mapping River Changes Using Low Cost Autonomous Unmanned Aerial Vehicles”. American Water Resources Association (AWRA) 2009 SPRING SPECIALTY CONFERENCE. May 4 – 6, 2009, Anchorage, Alaska. <http://awra.org/meetings/Anchorage2009/posters.html> (Poster presentation) (poster only, no paper, only abstract)
3. Yan Li+, YangQuan Chen and Hyo-Sung Ahn. “Fractional Order Iterative Learning Control”. The ICROS-SICE International Joint Conference 2009 (ICCAS-SICE 2009), August 18–21, 2009, Fukuoka International Congress Center, Fukuoka, JAPAN. <http://www.sice.or.jp/ICCAS-SICE2009/index.html> (abstract-based, full paper required in final submission, *ieeeXplore*)
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11. An Efficient Sensorless Rotational Vibration and Shock Compensator (RVSC) for Low End Hard Disk Drives with Higher TPI. 09/99. (15 pages)
12. Performance Characterization of Rotational Vibration/Shock Compensator (RVSC) - Testing Results on a Dedicated Rotational Shaker. 09/99. (40 pages)
1. Softcopies are available at SP-SPDD (SP Servo Product Development Database). SP=Science Park. Contact Mr K K Ooi (kiankeong\_ooi@seagate.com) for a copy internally. [↑](#footnote-ref-1)