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Books

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Book Chapters

- Huang H. (2012). Information service support for data quality assurance, scholarly communication, and data curation in the U.S Academic Libraries (). In Tang J. & Huang H., et al., Practical issues in Library Personalized Knowledge Service (pp. 3-8), Science Press, Beijing, China (ISBN: 978-7-03-035997-1).

Refereed Conference Abstracts/Presentations

- Koerner L. Relly K., Huang H., Bhaskar S., Madrigal L.(2020). Confirming an old-husband's tale: The frequency of same-sex twinning increases across the generations, following a Fragile X-syndrome-like pattern. The 89th Annual Conference for American Association for Physical Anthropologists. Los Angles, CA.
- Yu H., Woods C., Huang H. (2019). Predicting the success of a crowdfunding campaign: Spatial Location-Based Trajectory Modeling. 2019 Symposium on Data Science & Statistics. Bellevue, Washington.

- Hernandez E., Chu KW., Huang H. (2016). Battle the slide: Why not fulfill our mission. *In Youth Service in Public Library*, Florida Library Association Annual Meeting Presentation, Daytona Beach, FL.
- Gryzinski G., Lu Y., Huang H., Cheng F. (2016). System analysis of Yahoo! Answers questions about Azithromycin's side effects. USF Research Day Undergraduate Research.
- Hamami S., Lu Y., Huang H., Cheng F. (2016). Analysis of Yahoo! Answers questions regarding Hypertension medication, Lisinopril. USF Research Day Undergraduate Research.
- Nagar C., Lu Y., Huang H., Cheng F. (2015). Identification of drug-drug interactions by mining the NCBI PubMed database. USF Health Research Day 2015.
- Wong M., Huang H., Chu KW. (November 2, 2014). Cross-cultural quality comparison of online health information for elderly care on Yahoo! Answers. Paper will be presented in the Annual Conference for the Association for Information Science & Technology, Seattle, WA.
- Luesebrink M., Huang H., Bogdan, K., Salo, D., Thomas, C., West, J., Wilson, L. (November 4, 2014). Curation and policy issues in collaborative research data management communities: perspectives from key stakeholders. Panel discussion will be presented in the Annual Conference for the Association for Information Science & Technology, Seattle, WA.
- Madrigal L., Clancy K., Huang H., Zhu Y., Burhance C., & Flansburg C. (2014). Factors associated with spontaneous multiple pregnancies in a sample of women who delivered preterm, low birth weight babies. The 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, Canada.

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- Huang H., Stvilia B., & Jørgensen C. (2012). Curation roles and perceived priorities for data quality dimensions and skills in genome curation work. The American Society for Information Science & Technology Annual Meeting, Baltimore, MD.
- Li Y., & Huang H. (2012). Functional described ontologies for biological data integration and curation. The Fifth International Biocuration Conference, Washington DC.
- Chen J., & Huang H. (2012). Detecting small RNAs in *Xylella fastidiosa*. American Phytopathological Society Conference Abstracts, *Phytopathology*. 102:S422.
- Chen J., & Huang H. (2011). Searching for small RNAs in *Xylella fastidiosa* genome. American Phytopathological Society Conference Abstracts, *Phytopathology*, 101:S34.
- Chen J., & Huang H. (2011). Small RNAs in *Xylella fastidiosa* and their epidemiological applications. California CFDA Pierce's Disease Research Symposium, Sacramento, CA.
- Huang H. (2011). Reusing genome wide association data in EMR for clinical decision support improvement. American Telemedicine Association Conference, Tampa, FL.
- Huang H., Stvilia B., & Jørgensen C. (2010). Perception of "quality" in genome annotation. Association for Library and Information Science Education Conference, Boston, MA.
- Xu, X., Lu J. Ren Z., Huang H., Musingo M., & James N. (2009). Storage temperature, postharvest texture, and shelf life of muscadine Grapes. 15th Association of Research Directors Symposium. Atlanta, GA.
- Lu J., Huang H., Louime C. & Hunter W., (2008). Identification of disease defense- and stress- related genes in Muscadine grape through EST analysis. Plant and Animal Genome XVI Conference, San Diego, California.

- Huang H. (2008). Building the capacity of bioinformatics research and teaching: an integrated approach. Principal Investigator Research Conference/Workshop, Agricultural Research Service (ARS), USDA, Washington DC, USA.
- Huang, H., Lu, J., Hunter, W.B., & Dowd, S.E. (2007). Vitigene: A database for grape genomics and genetic resources delivery that benefits grape growers and scientific communities. In: Proceedings of the 2007 College of Engineering Sciences, Technology and Agriculture Research Symposium.

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- Huang H., Lu J., Hunter W., & Dang P. (2006). Sequence annotation and comparison for key enzymes related to biosynthesis of stilbene and anthocyanin in grapes (*Vitis L.*). Plant and Animal Genome XIV Conference, San Diego, California.
- Bradley F., Huang H., & Lu J. (2006). Development of SNP markers and application for genotyping and gene mapping in grapes (*Vitis L.*). 14th Association of Research Directors Symposium. Atlanta, GA.
- Lu J., Huang H., Hunter W., & Dang P. (2005). Mining microsatellites from a *Vitis Shuttleworthii* EST database for the development of EST-SSR markers for disease resistance. Plant and Animal Genome XIII Conference, San Diego, California.
- Bradley F., Huang H., Lu J., Hunter W., & Dang P. (2005). Identification of single nucleotide polymorphisms between *Vitis Shuttleworthii* and *Vitis Vinifera* 'Cabernet Sauvignon' ESTs for development of potential disease resistant marker. Plant and Animal Genome XII Conference, San Diego, California.
- Huang H., Lu J., Hunter W., & Dang P. (2005). Microsatellite (SSR) frequency and distribution among the grape ESTs and identification of disease related EST-SSRs. Plant and Animal Genome XII Conference, San Diego, California.
- Huang H. (2005). Development of Grape EST-SSR markers for genotyping and mapping disease resistant genes. The 1st International Grape Genomics Symposium, St Louis, Missouri, USA.

- Lu J., Huang H., Hunter W., & Dang P. (2005). Towards to identifying Pierce's disease resistant genes from a Native American grape species *Vitis Shuttleworthii* – a genomics approach. Proceedings of Pierce's Disease Research Symposium.
- Lu J., Huang H., Hunter W., & Dang P. (2004). Comparison of function annotation, conservation orthologs and multigene families analysis between *Vitis Shuttleworthii* ESTs and Arabidopsis genome sequences. American Plant Biology Meeting, Orlando, Florida, USA.
- Huang H., Lu J., Hunter W., & Dang P. (2004). Comparative analysis of transcriptional profiling in *Xylella fastidiosa* using microarray. *American Plant Biology Meeting*, Orlando, Florida, USA.
- Lu J., Huang H., Hunter W., & Deng P., (2004). Comparative analysis of unique Expressed Sequence Tags (ESTs) among *Vitis* species and their functional annotation against Arabidopsis genome *American Plant Biology Meeting*, Orlando, Florida, USA.
- Lu J., Huang H., Hunter W., & Dang P. (2004). Preliminary pathogenesis-relative pathways network analysis and relative putative genes annotation in *Vitis Shuttleworthii*

- Huang H. (2017). Toward a fruitful publication. Presented in "Conducting successful research: from problem identification to research and from outcome to translation in the field of information". A workshop in Annual Conference for the Association for Information Science & Technology, Washington DC.
- Huang H. (June 23, 2016). Victorious Battle! Public Library's Educational Value delivered through Original Librarian created Book Battle Program. With Edenia Hernandez and Sam Chu, Panel Speaker in America Library Association Annual Meeting, Orlando, Florida, USA.
- Huang H. (March 3, 2016). Battle the slide: Why not fulfill our mission. *In Youth Service in Public Library*, with Edenia Hernandez and Sam Chu, Florida Library Association Annual Meeting, Daytona Beach, Florida, USA.
- Huang H. (November 4, 2014). Institutional repositories: opportunities and challenges for scientific data curation, *In Data Management Panel: Curation and policy issues in collaborative research data management communities: perspectives from key stakeholders*, 77th Annual meeting for the Association for Information Science and Technology, Seattle, Washington, USA.
- Huang H. (August 4, 2008). Building the capacity of bioinformatics research and teaching: an integrated approach. Principal Investigator Research Conference/Workshop, Agricultural Research Service (ARS), USDA, August 4, 2008, Washington DC, USA.
- Huang H. (May, 2007) Comparative genomics information resources development that accelerating grape production. The VIII Plant Genomics in China Conference, Shanghai, China.
- Huang H. (July, 17, 2007) Bioinformatics in grape genomics: getting ready for the genome. Applied Grape Genomics Conference, Davis, California, USA.

- Huang H. (May, 24, 2006) Native American species genomics resource database development: An IBM DB2 Content Manager approach. USDA and FAMU Science of Excellence Program, Athens, Georgia, USA.
- Huang H. (July 14, 2005) Development of Grape EST-SSR markers for genotyping and mapping disease resistant genes. The 1st International Grape Genomics Symposium, July 14, 2005. St Louis, Missouri, USA.
- Huang H. (January, 14, 2000). Variation of bud breaking, flower opening and fruit ripening in muscadine grape cultivars. Association of Research Directors, Inc. 12th Biennial Research Symposium. Washington D.C.
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Computer Skills

Programming: C, Unix script, Perl, Matlab, Java, C++, JavaScript, Parscal, J2EE, Servlet, JavaBeans, Cobol, SQL, Html, SAS, STATA, SPSS, R, Python etc.

Algorithm/Statistical methods: K-Mean, Edge Detection, Clustering, Face recognition, Lamport, Robinson-Foulds, Neighbor Jointing, Maximum Weight Clique, MCMC, MAST, BLASTN, WU-BLAST.

Application: Tomcat, Apache, Websphere/DB2, MYSQL, Codewarrior IDE, Ant.

Operating System: Linux, Red Hat, AS/400, Windows2000/NT, Mac.

Language Fluency

Mandarin, Cantonese, English, and entry-level of Spanish and French