

- Owusu G., Yu H., Huang H. (2022). The temporal dynamics for areal-based co-occurrence COVID-19 trajectories, *AIMS Public Health*, 9(4): 703-717. doi: 10.3934/publichealth.2022049
- Huang H., Qin J. (2022). Metadata functional requirements for genomic data practice and curation. *Information Research*, (Accepted). [ISI Impact Factor:0.78]
- Oduro M., Yu H., Huang H. (2022). Entrepreneurship success: predicting crowdfunding campaigns using model-based machine learning methods. *International Journal of Crowd Science*, 6(1), 7-16. IEEE.org.
- Huang H., Li Y. (2021). Exploring the motivation of livestreamed users in learning computer programming and coding. *The Electronic/ codiJou Gelearning*

- Chu S., Huang H., Wong W., Ginneken W., Wu K., Miu Y. (2018). Quality and clarity of health information on Q&A sites. (doi.org/10.1016/j.lisr.2018.09.005). *Library & Information Science Research*. [ISI Impact Factor: 1.69].
- Huang H. (2017). Big data to knowledge— harnessing semiotic relationships of data quality and skills in genome curation work. (10.1177/0165551517748291). *Journal of Information Science*. [ISI Impact Factor: 3.28].
- Huang H., Chu S.K., Liu Y.Y., and Zheng Y. (2017). Understanding user-librarian interaction types in academic library microblogging: A comparison study in Twitter and Weibo. (doi.org/10.1016/j.acalib.2017.06.002). *Journal of Academic Librarianship*. [ISI Impact Factor: 1.18].
- Yoon J., Huang H., Kim S. (2017). Trends in health information-seeking behaviors in the U.S. foreign-born population based on the Health Information National Trends Survey, 2005 – 2014 (informationr.net/ir/22-3/paper760.html). *Information Research*. [ISI Impact Factor: 0.84].
- Lu Y., Figler B., Huang H., Tu Y., Wang J. Cheng F. (2017). Characterization of the mechanism of drug-drug interactions from PubMed using MeSH terms. (doi.org/10.1371/journal.pone.0173548). *PLOS ONE*. [ISI Impact Factor: 4.13].
- Bai, W. F., Xu, W. C., Zhu, H. X., Huang, H., Wu, B., & Zhang, M. S. (2017). Efficacy of 50 Hz electromagnetic fields on human epidermal stem cell transplantation seeded in collagen sponge scaffolds for wound healing in a murine model. (10.1002/bem.22029), *Bioelectromagnetics*. [ISI Impact Factor: 2.32].
- Su C., Deng W., Jan F., Chang C., Huang H., Shih T., Chen J. (2016). *Xylella taiwanensis* sp. nov. cause of pear leaf scorch disease in Taiwan. (Accepted), (doi: 10.1099/ijsem.0.001426.), *International Journal of Systematic and Evolutionary Microbiology*. [ISI Impact Factor: 2.80].

- Su Y., Andrews J.,

Smoking and mother's genetics combine to increase likelihood of twins.
Retrieved April 17, 2015 from www.sciencedaily.com/releases/2015/04/150417103741.htm

- Huang H. (2015). Domain knowledge and data quality perceptions in genome curation work. *Journal of Documentation*, 71 (1), 116-142. [ISI Impact Factor: 1.40].
- Huang, H., Jörgensen, C., & Stvilia, B. (2015). Genomics data roles, skills, and perception of data quality. *Library & Information Science Research* (doi:10.1016/j.lisr.2014.08.003). [ISI Impact Factor: 1.52].
- Huang H., Chu S.K., & Chen D.Y. (2014). Interactions between English-speaking and Chinese-speaking users and librarians on Social Networking Sites. *Journal of the American Society for Information Science and Technology* (DOI: 10.1002/asi.23251). [ISI Impact Factor: 2.11].
- Su C., Deng W., Jan F., Chang C., Huang H., & Chen J. (2014). Draft genome sequence of *Xylella fastidiosa* pear leaf scorch strain in Taiwan. *Genome Announcements*, 2(2):e00166-14. doi:10.1128/genomeA.00166-14.
- Huang H., Apouey B., & Andrews J. (2014). Racial and ethnic disparities in awareness of genetic testing among online users: Internet use, health knowledge and socio-demographics correlates. *Journal of Consumer Health on the Internet*, 18(1), 15-30.
- Huang H., & Jörgensen C. (2013). Characterizing user tagging and co-occurring metadata in general and specialized metadata collections. *Journal of the American Society for Information Science and Technology*, 64(9), 1878-1889. [ISI Impact Factor: 2.11].
- Chen J., Huang H., Chang C.J., & Stenger D.C. (2013). Draft Genome Sequence of *Xylella fastidiosa* subsp. multiplex strain Griffin-1 from *Quercus rubra* in Georgia, U.S.A. *Genome Announcements*, 1(5):e00756-13. doi:10.1128/genomeA.00756-13.
- Reese J, Christenson MK, Leng N, Saha S, Cantarel B, Lindeberg M, Tamborindeguy C, MacCarthy J, Weaver D, Trease AJ, Ready SV, Davis VM, McCormick C, Haudenschild

C, Han S, Johnson SL, Shelby KS, Huang H., Bextine BR, Shatters RG, Hall DG, Davis PH, & Hunter WB. (2013). Characterization of the Asian Citrus Psyllid Transcriptome. *Journal of Genomics*, 2, 54-58. doi:10.7150/jgen.7692, PMID:PMC3914308.

- Huang, J., Li, N., Hong, W., Zhan, K., Yu, X., Huang, H., & Hong, M. (2013). Conserved Tryptophan Residues within Putative Transmembrane Domain 6 Affect Transport Function of Organic Anion Transporting Polypeptide 1B1. *Molecular pharmacology*, (doi:10.1124/mol.113.085977). [ISI Impact Factor:W000912 0 612 792 reW*ⁿBT/F2 12 Tf1 0 0 1 319.84 62

- Huang H., Andrews J., & Tang J. (2012). Citation characterization and impact normalization in bioinformatics journals. *Journal of the American Society for Information Science and Technology*, 613(3):490-497, (DOI: 10.1002/asi.21707). [ISI Impact Factor: 2.11].
- Huang H., Chan Y., & Dong F. (2012). Health numeracy confidence among racial ethnic minorities in HINTS 2007: socio-demographic, attitudinal, and knowledge correlates. *Literacy and Numeracy Studies*, 20(2).
- Li N., Hong W., Huang H., Lu H., Lin G., & Hong M. (2012). Identification of amino acids essential for estrone-3-sulfate transport within transmembrane domain 2 of organic anion transporting Polypeptide 1B1. *PLoS ONE*, 7(5): e36647. doi:10.1371/journal.pone.0036647. [ISI Impact Factor: 4.24].
- Saha S., Hunter W.B., Reese J. Morgan J.K., Marutani-Hert M., Huang H., & Lindeberg M. (2012). Survey of Endosymbionts in the *Diaphorina citri* Metagenome and assembly of a *Wolbachia* wDi draft genome. *PLoS ONE*, 7(11), e50067. doi:10.1371/journal.pone.0050067. [ISI Impact Factor: 4.24].
- Yao J., Hong W., Huang J., Zhan K., Huang H., & Hong M. (2012). N-glycosylation dictates proper processing of organic anion transporting polypeptide 1B1. *PLoS ONE*, 7(12):e52563. Doi:10.1371/journal.pone.0052563. [ISI Impact Factor: 4.24].
- Bai W., Zhang M., Huang H., Zhu H., & Xu W. (2012). Effects of 50 Hz electromagnetic fields on human epidermal stem cells cultured on collagen sponge scaffolds, *International Journal of Radiation Biology*, 88(7):523-30, (doi: 10.3109/09553002.2012.692496). [ISI Impact Factor: 2.12].
- Zhang M., Li X., Bai L., Kenzo U., Bai W., Xu W., Zhu H., & Huang H. (2013). Effects of low frequency electromagnetic field on proliferation of human epidermal stem cells: An in vitro study. *BioelectroMagnetics*, 34(1):74-80, (doi: 10.1002/bem.21747). [ISI Impact Factor: 2.32].

- Huang, H., Yu, H., Andrews, J. E., Yoon,

- Huang H., Lu J., Hunter W., Dowd S., Katsar C., & Jørgensen, C. (2009). Development of a grape genomics database using IBM DB2 Content Manager solution. *Acta Horticulturae*, 827:87-92.
- Xu X., Lu J., Dalling D. Huang H., & Louime C. (2008). Application of embryo rescue in grape cultivar development. *Proceeding of Florida State Horticulture Society*, 121:38-41.
- Lu J., Huang H., Bradley F., & Hunter W. (2007). Towards identification, isolation and characterization of disease resistant genes from the Native American grape. *Acta Horticulturae*, 738: 767-772.
- Huang H., Lu J., & Hunter W. (2007). Comparative sequence and functional analysis of stilbene synthase genes among *Vitis* species. *Acta Horticulturae*, 738: 755-758.
- Huang H., Lu J., Ren Z., & Hunter, W. (2005). Development of grape EST-SSR markers for genotyping and mapping disease resistant genes. *The 1st Proceeding of International Grape Genomics Symposium*, 66-67, St Louis, Missouri, USA.
- Lu J., Huang H., Ren Z., Bradley F., & Hunter W. (2005). Comparative genomics analysis between *V. Shuttleworthii* and *V. Vinifera* grapes. *The 1st Proceeding of International Grape Genomics Symposium*, 69-71, St Louis, Missouri, USA.
- Huang H., Lu J., Bradley F., & Hunter W. (2005). Discovery of cSNP between *Vitis shuttleworthii* and *Vitis vinifera*

- Huang H., & Lu J. (2000). Variation and correlation of bud breaking, flower opening and fruit ripening in muscadine grape cultivars. *Proceeding of Florida State Horticulture Society*, 113:46-47.

Books

- Tang J. & Huang H. et al. (Eds). (2012) Practical issues in library personalized knowledge service (), Science Press, Beijing, China (ISBN: 978-7-03-035997-1).

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 Angeles, 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.

- Huang H., & Qin J. (2013). Understanding metadata

- 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.

ag.tuntia Huang, H., Louime, C., Xu, S., Ren, Z., Bradeley, F., Hunter, W.B., & Dang, P.M. (2007). Using functional genomics approaches for identification, isolation and characterization of genetic targets: A case study of disease/pest resistant genes from native North American grape species (*Vitis L.*). In: Proceedings of the 2007 College of

- Huang H., & Jørgensen C. (2006). Tag distribution analysis using the Power Law to evaluate social tagging systems- a case study in the Flickr database, 17th Annual ASIS&T Conference SIG/CR Classification Research Workshop, Austin, Texas.
- Lu J., Huang H., Hunter W., & Dang P. (2006). Identification and functional annotation of unique EST sequences between *V. Shuttleworthii* and *V. Vinifera* Grapes. Plant and Animal Genome XIV Conference, San Diego, California.
- 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