1. **Refereed Journal Articles (77-career, google citation 1272, h-index 21, i-10 index 32; 54-since joined AgriLife Research; 25-since last promotion; google citation since 2015 is 920, h-index 16, i-10 index 29 by Sep. 20, 2020)**

   1) Maulana, F., K-S. Kim, J.D. Anderson, M.E. Sorrells, T.J. Butler, **S.-Y. Liu**, P.S. Baenziger, P.F. Byrne, and X-F. Ma. 2019. Genomic Selection of Forage Agronomic Traits in Winter Wheat. **Crop Science.**
   2) Thapa, S., Q. Xue, K. E. Jessup, J. C. Rudd, **S.-Y. Liu,** R. N. Devkota, and J. A. Baker. 2020. Soil water extraction and use by winter wheat cultivars under limited irrigation in a semi-arid environment. ***J. Arid Environ***. 174, 104046. (cited **2** times, IF: **1.825**) (data analyses and interpretation)
   3) Seethepalli, A., H. Guo, X. Liu, M. Griffiths, H. Almtarfi, Z. Li, **S.-Y. Liu** et al. 2020. RhizoVision Crown: An integrated hardware and software platform for root crown phenotyping. **Plant Phenomics** 2020: 15. Doi:10.34133/2020/3074916. (cited **3** times) (provide research materials, data analyses and interpretation, draft review and editing)
   4) *Yang, Y.*, B.R. Basnet, A.M.H. Ibrahim, J.C. Rudd, X. Chen, R.L. Bowden, Q. Xue, R.D. Devkota, S. Wang, C.D. Johnson, R. Metz, R.E. Mason, D.B. Hays and **S-Y. Liu***. 2019. Developing KASP markers on a major stripe rust resistance QTL in a popular wheat TAM 111 using 90K array and genotyping-by-sequencing SNPs. **Crop Sci.** 59:165-175. Doi:10.2135/cropsci2018.05.0349 *Corresponding author. (cited **1** time, IF: **1.635**)
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   6) *Mahmoudi, T.R.*, J.M. Yu, **S.-Y. Liu**, L.S. Pierson and E.A. Pierson. 2019. Drought-Stress tolerance in wheat seedlings conferred by phenazine-producing rhizobacteria. **Frontiers in Microbiology** 10. Doi:10.3389/fmicb.2019.01590. (cited 6 times, IF:**4.076**) (provide research materials, suggestions on data analyses and interpretation, draft review and editing)
   7) Thapa, S., J.C. Rudd, Q. Xue, M. Bhandari, S.K. Reddy, K.E. Jessup, **S.-Y. Liu** et al. 2019. Use of NDVI for characterizing winter wheat response to water stress in a semi-arid environment. **J. of Crop Improv**.: 1-16. Doi:10.1080/15427528.2019.1648348. (cited **2** times, IF: 0.63) (provide research materials, suggestions on data analyses and interpretation, draft review and editing)
   8) Ayalew H., P.W. Tsang, C. Chu, J. Wang, **S.-Y. Liu**, C. Chen, X. Ma. 2019. Comparison of TaqMan, KASP and rhAmp SNP genotyping platforms in hexaploidy wheat. **PLOS ONE** 14(5): e0217222. https://doi.org/10.1371/journal.pone.0217222 (cited **10** times, IF: **2.776**) (provide research materials, suggestions on data analyses and interpretation, draft review and editing)
   9) Thapa, S., Q. Xue, K.E. Jessup, J.C. Rudd, **S.-Y. Liu**, T.H. Marek, R. N. Devkota, J. Baker, S. Baker. 2019. Yield determination in winter wheat under different water regimes. **Field Crop Res.** 233:80-87. (cited **11** times, IF: **3.127**) (provide research materials, suggestions on data analyses and interpretation, draft review and editing)
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predictions of traits. **G3**.9:125-133. G3/2018/200664 (cited **4** times, IF: **2.63**) (provide suggestions on data analyses and interpretation, draft review and editing)

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66) Authored or co-authored 12 papers in peer-reviewed journals in Chinese.

2. Book Chapter ((career-3; since joining AgriLife-1; since last promotion-1**)**

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