

李胜天，上海交通大学 Bio-X 研究院副教授，博士生导师，院长助理，课题组长，上海市浦江人才。白求恩医科大学临床医学学士，日本东京大学神经生物学博士，日本冈山大学医学部、日本东京大学医学科学研究所博士后。主要专注于利用大、小鼠模型研究精神、神经疾病的致病机理和研发治疗手段。发表 SCI 论文 46 篇，总影响因子 219.545 (平均影响因子 4.773)，他引 1794 次。h-index: 19 (Scopus Author ID: 36063540000; ORCID: 0000-0002-2836-3802)。获得二项发明专利授权。主持国家自然科学基金、上海市科委自然科学基金、上海交大项目、以及企业横向项目，参与 973 子课题、上海市科委重大项目等课题，共获得研究经费 700 余万元资助。

研究论文

(^{CA} 为通讯作者; # 为共同第一作者)

1. Shan C, Gong YL, Zhuang QQ, Hou YF, Wang SM, Zhu Q, Huang GR, Tao B, Sun LH, Zhao HY, **Li ST**^{CA}, Liu JM^{CA}. (2019) Protective effects of β -nicotinamide adenine dinucleotide against motor deficits and dopaminergic neuronal damage in a mouse model of Parkinson's disease, *Progress in Neuropsychopharmacology & Biological Psychiatry*, 94, 109670 (IF: 4.185) .
2. Ishida K, Qin LY, Wang T, Lei Y, Hu WW, Zhu G, Zhuang QQ, Gong YL, Wang Q, Arijit G, Ma DN, Li XW, **Li ST**^{CA}. (2019) Local mechanisms for acupoint sensitization in gall bladder meridian of foot shaoyang- a gene chip study, *Acupuncture & Electro-Therapeutics Research*, in press (IF: 0.435).
3. Wu Z, Huo QW, Ren L, Dong FP, Feng MY, Wang Y, Bai YT, Luscher B, **Li ST**, Wang GL, Ceng L, Wang Y, Wu GY, Chen G. (2019) Gluconate suppresses seizure activity in developing brains by inhibiting CLC-3 chloride channels, *Mol Brain*, DOI: 10.1186/s13041-019-0465-0 (IF: 3.449)
4. Shan C, Guo XZ, Wang SM, Hou YF, **Li ST**^{CA}, Liu JM (2019) Roles for osteocalcin in brain signalling: implications in cognition- and motor-related disorders *Mol Brain*, DOI : 10.1186/s13041-019-0444-5 (IF: 3.449)
5. Zou J, Wang XX, Huang LG, Liu J, Kong YY, Lu QC^{CA}, **Li ST**^{CA}. (2019) Kininogen level in the cerebrospinal fluid may be a potential biomarker for predicting epileptogenesis, *Frontiers in Neurology*, 31 January 2019, <https://doi.org/10.3389/fneur.2019.00037>. (IF: 3.508)
6. Zhang DQ[#], Li HD[#], Sun jf, Hu WW, Jin W, **Li ST**^{CA}, Tong SB^{CA}. (2019) Antidepressant-like Effect of Low-intensity Transcranial Ultrasound Stimulation, *IEEE Transactions on Biomedical Engineering*, 66(2), 8375644, 411-420 (IF: 4.288)
7. Gu XZ, Shan C, Hou YF, Zhu G, Tao B, Sun LH, Zhao HY, Ning G^{CA}, **Li ST**^{CA}, Liu JM^{CA} (2018) Osteocalcin ameliorates motor dysfunction in a 6-hydroxydopamine hydrobromide-induced Parkinson's disease rat model through AKT/GSK3 β signaling, *Frontiers in molecular neuroscience*, 11:343. (IF: 3.902)

8. Chen XM[#], Wang S[#], Zhou Y[#], Han YF[#], **Li ST**[#], Xu Q, ..., Li WD, Chen CD (2018). PHF8 histone demethylase deficiency causes cognitive impairments through the mTOR pathway. *Nature Communications*, 9:114. (IF: 12.353)
9. Yan XY, Zhang B, Lu W, Peng L, Yang Q, Cao W, Lin S, Yu WY, Li XM, Ke YH, **Li ST**, Yang W, Luo JH. (2017) Increased Src Family Kinase Activity Disrupts Excitatory Synaptic Transmission and Impairs Remote Fear Memory in Forebrain Shp2-Deficient Mice. *Molecular Neurobiology*, November 2017, 54:7235-7250 (IF: 6.190)
10. Bridgewater LC, Zhang C, Wu Y, Hu W, Zhang Q, Wang J, **Li ST**, Zhao L (2017) Gender-based differences in host behavior and gut microbiota composition in response to high fat diet and stress in a mouse model. *Scientific reports*, *Scientific Reports*, 7:10776. (IF: 4.847)
11. Liu J[#], Yang BM[#], Zhou P, Kong YY, Hu WW, Zhu G, Ying WH, Li WD^{CA}, Wang Y^{CA}, **Li ST**^{CA}. (2017) Nicotinamide adenine dinucleotide suppresses epileptogenesis at an early stage. *Scientific Reports*, December 7:7321. (通讯作者, IF: 4.847).
12. Yang Q[#], Zhu G[#], Ju JG, Liao ZH, Xiao YX, Zhang Y, Luo JH^{CA}, **Li ST**^{CA}. (2017) Extrasynaptic NMDA receptor dependent long-term potentiation of hippocampal CA1 pyramidal neurons. *Scientific Reports*, 7(1), June 2017. 03287 (通讯作者, IF: 4.847)
13. Guo XZ, Liu TT, Zhao DD, Wang XF, Liu DM, He Y, Shan C, Kong YY, Hu WW, Tao B, Sun LH, Zhao HY, **Li ST**^{CA}, Liu JM^{CA}. (2017) FGF18 protects against 6-hydroxydopamine-induced nigrostriatal damage in a rat model of Parkinson's disease. *Neuroscience*, 356:229-241. (通讯作者, IF: 3.318)
14. Kong YY, Wang T, Wang R, Ma YC, Song SS, Liu J, Hu WW, **Li ST**^{CA}. (2017) Inhalation of Roman Chamomile Essential Oil Attenuates Depressive-Like Behaviors in Wistar Kyoto Rats. *SCIENCE CHINA Life Sciences*. 60(6)647-655. (通讯作者, IF: 2.781)
15. Dong YJ, Zhou Y, Chu XX, Chen SQ, Chen L, Yang BM, Zhang X, Wang L, Wang S, Lou JY, Deng Q, Wang L, Cao ZY, Wang JN, Xie JX, Serdyuk T, **Li ST**, He L, Chen XQ and Li WD. (2016) Dental noise exposed mice display depressive-like phenotypes, *Molecular Brain*, 9:50, DOI 10.1186/s13041-016-0229-z. (IF: 4.096)
16. **Li ST**^{CA}, Wang Y, and Matsushita M. (2014) Neurological Disorders Related Neuronal Network Impairment: Function and Mechanism, *Neuronal Plasticity*, vol 2014, Article ID 945078. (通讯作者, IF: 3.643)
17. Liu DD, Hu LH, Zhang JQ, Zhang P, **Li ST**^{CA}. (2014) Attenuated inhibition of medium spiny neurons participates in the pathogenesis of childhood depression, *Neural Regen Res*, 9(10), 1079-1088. (通讯作者, IF: 0.984)
18. Chen LJ, Shen BQ, Liu DD, **Li ST**^{CA}. (2014) The Effects of Early-life Predator Stress on Anxiety- and Depression-like Behaviors of Adult Rats. *Neural Plasticity*, vol. 2014, Article ID 163908. doi:10.1155/2014/163908. (通讯作者, IF: 3.643)

19. Chao NJ and **Li ST**^{CA}. (2014) Synaptic and Extrasynaptic Glutamate Signaling in Ischemic Stroke. *Current Medicinal Chemistry*, 21, No. 18. 2043-2064. doi: 10.2174/0929867321666131228204533. (通讯作者, IF: 4.07)
20. Wu X, Xu QQ, Guo L, Yu CT, Xiong YY, Wei ZY, Huo R, **Li ST**, Shen L, Niu JM, Liu L, Lin Y, He L, Qin SY. (2013) Quantitative Assessment of the Association between rs2046210 at 6q25.1 and Breast Cancer Risk. *PLoS ONE* 01/2013; 8(6):e65206. (IF: 4.092)
21. Liu DD, Yang Q, **Li ST**^{CA}. (2013) Activation of Extrasynaptic NMDA Receptors induces LTD in Rat Hippocampal CA1 Neurons, *Brain Res Bull*, 93, 10-16. (通讯作者, IF: 2.826)
22. Tang MP, Wang ZX, Zhou Y, Xu WJ, **Li ST**, Wang LY, Wei DQ, Qiao ZD. (2013) A Novel Drug Candidate for Alzheimer's Disease Treatment: gx-50 Derived from Zanthoxylum Bungeanum, *Journal of Alzheimer's Disease*, 34, 203-213. (IF: 3.804)
23. **Li ST**^{CA}, Ju JG. (2012) Functional Roles of Synaptic and Extrasynaptic NMDA Receptors in Physiological and Pathological Neuronal Activities, *Current Drug Targets*, 13:207-221. (通讯作者, IF: 3.344)
24. Lin QS, Yang Q, Liu DD, Sun Z, Dang H, Liang J, Wang YX, Chen JY, **Li ST**^{CA}. (2011) Hippocampal Endocannabinoids Play an Important Role in Induction of Long-term Potentiation and Regulation of Contextual Fear Memory Formation, *Brain Res Bull*, 86:139-145. (通讯作者, IF: 2.826)
25. Kaitsuka T, **Li ST**, Nakamura K, Takao K, Miyakawa T, Matsushita M. (2011) Forebrain-specific constitutively active CaMKKα transgenic mice show deficits in hippocampus-dependent long-term memory, *Neurobiology of Learning & Memory*, 96:238-247. (IF: 3.701)
26. Yang Q, Liao ZH, Xiao YX, Lin QS, Zhu YS, **Li ST**^{CA}. (2011) Hippocampal Synaptic Metaplasticity Requires the Activation of NR2B-containing NMDA Receptors. *Brain Res Bull*, 84:137-143. (通讯作者, IF: 2.826)
27. Xu SF, **Li ST**, Shen XY, Meng XZ, Lao LX. (2011) Effects of electroacupuncture on depression in a rat model. *Acupuncture & Electro-Therapeutics Research*, 36(3-4):259-273. (IF: 1.0)
28. Ju JG, **Li ST**^{CA}. (2011) Changes of Synaptic- and Extrasynaptic NMDA Receptor-mediated Currents in Adult Mouse Epileptogenesis, *Neural Regen Res*, 6(2):118-124. (通讯作者, IF: 0.984)
29. Zhang Y, Cai G-E, Yang Q, Lu Q-C, **Li ST**^{CA}, Ju G. (2010) Time-dependent Changes of Learning Ability and Induction of Long-term Potentiation in Lithium-pilocarpine-induced Epileptic Mouse Model, *Epilepsy&Behav*, 17, 448-454. (通讯作者, IF: 2.522)
30. Saheki Y, **Li ST**^{CA}, Matsushita M, Wu YM, Cai WH, Wei FY, Lu YF, Moriwaki A, Tomizawa K, Matsui H. (2005) A new approach to inhibiting astrocytic IP3-induced intracellular calcium increase in an astrocyte-neuron co-culture system, *Brain Research*, 1055, 196-201. (通讯作者, IF: 2.75)
31. **Li ST**^{CA}, Matsushita M, Moriwaki A, Saheki Y, Lu YF, Tomizawa K, Wu HY, Terada H, Matsui H. (2004) HIV-1 Tat Inhibits Long-Term Potentiation and Attenuates Spatial Learning, *Annals of Neurology*, 55:362-371. (通讯作者, IF: 11.089)
32. Matsushita M, Noguchi H, Lu YF, Tomizawa K, Michiue H, **Li ST**, Hirose K, Bonner-Weir S, Matsui H. (2004) Photo-acceleration of protein release from endosome in the protein transduction system. *FEBS Lett*, 572, 221-6. (IF: 3.609)
33. Noguchi H, Matsushita M, Okitsu T, Moriwaki A, Tomizawa K, Kang S, **Li ST**, Kobayashi N, Matsumoto S, Tanaka K, Tanaka N and Matsui H. (2004) A new cell-permeable peptide allows successful allogeneic islet transplantation in mice. *Nature Med*, 10, 305-309. (IF: 32.261)
34. Wu HY, Tomizawa K, Oda Y, Wei FY, Lu YF, Matsushita M, **Li ST**, Moriwaki A and Matsui H. (2004) Critical

- role of calpain-mediated cleavage of calcineurin in excitotoxic neurodegeneration. *J. Biol. Chem.*, 279, 4929-4940. (IF: 6.696)
35. Tomizawa K, Sunada S, Lu YF, Oda Y, Kinuta M, Ohshima T, Saito T, Wei FY, Matsushita M, **Li ST**, Tsutsui K, Hisanaga S, Mikoshiba K, Takei K, Matsui H. (2003) Cophosphorylation of amphiphysin I and dynamin I by Cdk5 regulates clathrin-mediated endocytosis of synaptic vesicles. *J Cell Biol*, 63, 813-24. (IF: 12.522)
 36. Terada H, Matsushita M, Lu YF, Shirai T, **Li ST**, Tomizawa K, Moriwaki A, Nishio S, Date I, Ohmoto T, Matsui H. (2003) Inhibition of excitatory neuronal cell death by cell-permeable calcineurin autoinhibitory peptide. *J Neurochem*, 87, 1145-51. (IF: 4.960)
 37. Wu HY, Tomizawa K, Matsushita M, Lu YF, **Li ST**, Matsui H. (2003) Poly-arginine-fused calpastatin peptide, a living cell membrane-permeable and specific inhibitor for calpain. *Neurosci Res*, 47, 131-5. (IF: 2.111)
 38. Tomizawa K, Iga N, Lu YF, Moriwaki A, Matsushita M, Li ST, Miyamoto M, Itano T, Matsui H. (2003) Oxytocin improves long-lasting spatial memory during motherhood through MAP kinase cascade, *Nat Neurosci*, 6, 384-90. (IF: 17.398)
 39. **Li ST**, Kato K, Tomizawa K, Matsushita M, Moriwaki A, Matsui H, Mikoshiba K. (2002) Calcineurin plays different roles in group II metabotropic glutamate receptor- and NMDA receptor-dependent long-term depression. *Journal of Neuroscience*, 22, 5034-41. (IF: 8.502)
 40. Takenobu T, Tomizawa K, Matsushita M, **Li ST**, Moriwaki A, Lu YF, Matsui H. (2002) Development of p53 protein transduction therapy using membrane-permeable peptides and the application to oral cancer cells, *Mol. Cancer Ther*, 1, 1043-9. (IF: 6.163)
 41. Tomizawa K, Ohta J, Matsushita M, Moriwaki A, **Li ST**, Takei K, Matsui H. (2002) Cdk5/p35 Regulates Neurotransmitter Release through Phosphorylation and Downregulation of P/Q-Type Voltage-Dependent Calcium Channel Activity, *J Neurosci*, 22, 2590-7. (IF: 8.502)
 42. Matsushita M, Tomizawa K, Moriwaki A, **Li ST**, Terada H, and Matsui H. (2001) A High-Efficiency Protein Transduction System Demonstrating the Role of PKA in Long-Lasting Long-Term Potentiation, *J. Neurosci.*, 21, 6000-7. (IF:8.502)
 43. Takahashi J, Tanaka K, Morinobu S, Fujimaki K, **Li ST**, Kato K, Ohkawa M, Yamawaki S, Kato N. (2001) Influence of restraint stress on the expression and the serine/threonine phosphatase activity of calcineurin in the rat brain. *Synapse*. 40, 130-6. (IF: 2.01)
 44. **Li ST**, Kato K, Mikoshiba K. (2000) High Ca²⁺/low Mg²⁺ solution induces long-term depression in rat CA1 pyramidal neurons. *Neuroscience Letters*, 283, 141-4. (IF: 2.129)
 45. Kato K, **Li ST**, Mikoshiba K. (1999) Modulation of LTP Induction in the Hippocampus by N-methyl-D-aspartate-Mediated Presynaptic Inhibition, *Neuroscience*, 92, 1261-1272. (IF: 3.318)
 46. Futatusgi A, Kato K, Ogura H, **Li ST**, Nagata E, Kuwajima G, Tanaka K, Itohara S, and Mikoshiba K. (1999) Facilitation of NMDA-Independent LTP and Spatial Learning in Mutant Mice Lacking Ryanodine Receptor Type 3, *Neuron*, 24, 701-713. (IF: 15.832)

会议发表以及主持(2013--)

2013年10月北京中国神经科学学会大会发起并主持癫痫专题研讨会，邀请到国内癫痫研究领域的顶级专家：陈忠、姜玉武、廖卫平、汪昕、王学峰、王云、熊志奇等教授发表演讲。

2013年10月北京中国神经科学学会第十次大会墙报展示：Dan-DanLIU, RongWANG, Yi-ChuanMA, Shan-ShanSONG, Sheng-TianLI Antidepressant effects of essential oils and their active

monomers on adult Wistar Kyoto rats. September 19-22, 2013, Beijing, China.

2013年11月美国 San Diego 第43次神经科学大会，墙报展示：Shengtian Li, Qian Yang, Dandan Liu, The role of extrasynaptic NMDA receptors in LTP induction, The role of extrasynaptic NMDA receptors in LTP induction, November 9-13, 2013, Sandiego, USA.

2014年11月上海，上海交通大学-花王学术研讨会 Jointsyoposium of SJTU and Kao, 特邀演讲：Shengtian Li, Effects and biological mechanisms of acupuncture, November 24, 2014, Shanghai, China.

2015年9月桐乡，中国神经科学学会第十一次大会，墙报展示：Juan Liu, Yingying Kong, Yun Wang, Shengtian Li, The effect of NAD⁺ on early-stage epileptogenesis stage epileptogenesis, The 6th FAONS congress and the 11th biennial conference of CNS, Sep 20-22, 2015, Tongxiang, China.

2015年9月桐乡，中国神经科学学会第十一次大会，墙报展示：Keng-Hoe Lok, Sheng-Tian Li, Antidepressant activities of rose oil in Wistar Kyoto rats, The 6th FAONS congress and the 11th biennial conference of CNS, Sep 20-22, 2015, Tongxiang, China.

2015年11月美国 Chicago 第45次神经科学大会，墙报展示：Keng-Hoe Lok, Sheng-Tian Li, Antidepressant activity of rose oil in Wistar Kyoto rats, the 45th annual meeting of the Society for Neuroscience, October 15–21, 2015, Chicago, USA.

2016年1月，上海。中国神经科学学会、上海交通大学以及 GSK 联合举办的 Symposium Neuro2020，特邀报告：Shengtian Li, Early-stage epileptogenesis and intervention, Neuro2020, January 15, 2016, Shanghai, China.

2016年6月18-19号，上海。International Frontier Forum of Epilepsy—Bench and Bedside 大会报告：Epileptogenesis and antiepileptogenesis: an experimental approach.

2016年7月25-29号，合肥。Symposium for Chinese Neuroscientists Worldwide (SCNW 2016)，墙报展示：Early-stage intervention of NAD⁺ suppressed epileptogenesis in pilocarpine-induced epilepsy model mice.

2016年10月13-15号，苏州。第六届上海交通大学-花王研讨会大会报告：Intervention and mechanisms of early-stage epileptogenesis.

2016年11月5-6号，日本，筑波。世界针灸学会国际会议，分组报告：Local Mechanism of acupuncture treatment.

2016年12月14-16号，日本，松本。Shishu University 访问信州大学，签订合作协议。

2017年1月18号，日本，松本。The 6th IBS International Symposium. 参加会议并学术交流。

2017年7月20-22号，日本，东京。The 40th Annual Meeting of the Japan Neuroscience Society, 参加会议并墙报展示交流：Intervention of epileptogenesis with NAD⁺ at an early stage.

2018年7月27-31号，银川，第23届全国针灸第二十三届全国针灸临床学术研讨会暨第十九届针灸对机体功能的调节机制及针灸临床独特经验研讨会，分组报告：穴位激活的生物学机制研究。

2018年11月16-18号，日本，Okinawa。第八届上海交通大学-花王研讨会大会报告：A new era of acupuncture.

2019年1月21号, 日本, Matsumoto。The 12th Institute for Biomedical Sciences International Symposium, 大会报告, Biomarker and intervention of epileptogenesis.

教育状况

1996-2000 神经生物学/脑神经医学博士, 日本东京大学
1985-1991 临床医学学士, 白求恩医科大学

工作经历

2015-现在 上海交通大学 Bio-X 中心副教授、课题组长、院长助理
2012-现在 上海交通大学 Bio-X 中心副教授、课题组长
2005-2011 上海交通大学神经科学研究所副教授、课题组长
2003-2005 日本东京大学医学科学研究所博士后
2000-2003 日本冈山大学医学齿学研究系生理学教研室助手
1991-1994 北京中日友好医院内科医师

荣誉与奖励

- 上海市浦江人才 (2006)
-

研究方向

抑郁症、癫痫的致病机理及干预研究, 经络及穴位的生物学机制及替代疗法的开发等

承担项目

主持国家自然科学基金、上海市科委自然科学基金、上海交大项目、上海市科委重大项目以及企业横向项目, 参与973子课题、国家科技部重点研发计划、上海市科委学科带头人等课题。