



- [8] Benarroch E. What is the role of dorsal horn astrocytes in chronic pain and itch?[J]. *Neurology*, 2022, 99:891-897.
- [9] Li T, Chen X, Zhang C, *et al.* An update on reactive astrocytes in chronic pain[J]. *J Neuroinflammation*, 2019, 16:140.
- [10] Yang Q, Jiang M, Xu S, *et al.* Mirror image pain mediated by D2 receptor regulation of astrocytic Cx43 phosphorylation and channel opening[J]. *Biochim Biophys Acta Mol Basis Dis*, 2023, 1869(4):166657.
- [11] Civantos Calzada B, Aleixandre de Artiñano A. Alpha-adrenoceptor subtypes[J]. *Pharmacol Res*, 2001, 44:195-208.
- [12] Nguyen V, Tiemann D, Park E, *et al.* Alpha-2 Agonists[J]. *Anesthesiol Clin*, 2017, 35(2):233-245.
- [13] Srivastava AB, Mariani JJ, Levin FR. New directions in the treatment of opioid withdrawal[J]. *Lancet*, 2020, 395(10241):1938-1948.
- [14] Zhang F, Feng X, Dong R, *et al.* Effects of clonidine on bilateral pain behaviors and inflammatory response in rats under the state of neuropathic pain[J]. *Neurosci Lett*, 2011, 505(3):254-259.
- [15] Bai ZT, Liu T, Jiang F, *et al.* Phenotypes and peripheral mechanisms underlying inflammatory pain-related behaviors induced by BmK I, a modulator of sodium channels[J]. *Exp Neurol*, 2010, 226(1):159-172.
- [16] Ye P, Jiao Y, Li Z, *et al.* Scorpion toxin BmK I directly activates Nav1.8 in primary sensory neurons to induce neuronal hyperexcitability in rats[J]. *Protein Cell*, 2015, 6(6):443-452.
- [17] Mestre C, Pélissier T, Fialip J, *et al.* A method to perform direct transcutaneous intrathecal injection in rats[J]. *J Pharmacol Toxicol Methods*, 1994, 32(4):197-200.
- [18] Jiang F, Liu T, Cheng M, *et al.* Spinal astrocyte and microglial activation contributes to rat pain-related behaviors induced by the venom of scorpion *Buthus martensi* Karch[J]. *Eur J Pharmacol*, 2009, 623(1-3):52-64.
- [19] Ishikawa T, Eto K, Kim SK, *et al.* Cortical astrocytes prime the induction of spine plasticity and mirror image pain[J]. *Pain*, 2018, 159(8):1592-606.
- [20] 齐雪涛, 西珂, 万有. 慢性疼痛的中枢记忆印迹细胞机制 [J]. *中国疼痛医学杂志*, 2023, 29(3):164-171.
- [21] Masocha W. Astrocyte activation in the anterior cingulate cortex and altered glutamatergic gene expression during paclitaxel-induced neuropathic pain in mice[J]. *Peer J*, 2015, 3:e1350.
- [22] Turovsky EA, Braga A, Yu Y, *et al.* Mechanosensory signaling in astrocytes[J]. *J Neurosci*, 2020, 40(49): 9364-9371.
- [23] Zhu D, Fan T, Chen Y, *et al.* CXCR4/CX43 regulate diabetic neuropathic pain via intercellular interactions between activated neurons and dysfunctional astrocytes during late phase of diabetes in rats and the effects of antioxidant N-Acetyl-L-Cysteine[J]. *Oxid Med Cell Longev*, 2022, 2022:8547563.

• 消 息 •

2023 年《中国疼痛医学杂志》征稿与征订

《中国疼痛医学杂志》是由中华人民共和国教育部主管，北京大学和中华医学会疼痛学分会共同主办的专业性学术期刊。报道有关疼痛基础研究和临床诊疗的综合性学术刊物。现已被中文核心期刊（北京大学图书馆）、中国科技论文统计源期刊、中国科技核心期刊、中国科学引文数据库 (CSCD) 来源期刊、世界期刊影响力指数 (WJCI) 报告 (2022 科技版) 等国内权威的文献检索系统收录。《中国疼痛医学杂志》诚邀您投稿、订阅。

投稿：来稿可在杂志官网在线投稿 <http://casp.ijournals.cn>，请署真实姓名、工作单位、职称，附单位介绍信（信中须注明未“一稿两投”、署名无争议、对文章内容的真实性负责、无泄密内容）。投稿时请注明通信作者、提供伦理审查批号及证明、基金资助信息，以及详细的通信地址、邮编、联系电话、E-mail 等。衷心希望《中国疼痛医学杂志》成为您了解疼痛医学发展和发表科研成果的平台之一。

订购：邮发代号：82-832，本刊为月刊，大 16 开本，80 页，每册定价 32.00 元，全年 12 期，共 384.00 元。欢迎在当地邮局订阅或直接联系编辑部订阅。

编辑部地址：北京市海淀区学院路 38 号，北京大学医学部《中国疼痛医学杂志》编辑部

杂志官网：<http://casp.ijournals.cn>

联系电话：010-82801712；010-82801705

电子邮箱：pain1712@126.com

联系人：赵磊

