# Gary Lewin

## List of Publications by Year in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 156 papers | 17,944 citations | 17440 63 h-index | 13771 129 g-index |
| 175 all docs | 175 docs citations | 175 times ranked | 14291 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The naked truth: a comprehensive clarification and classification of current â€˜mythsâ€™ in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140. | 10.4 | 62 |
| 2 | Immune competence and spleen size scale with colony status in the naked mole-rat. Open Biology, 2022, 12, 210292. | 3.6 | 6 |
| 3 | SPFH protein cageÂâ€”Âone ring to rule them all. Cell Research, 2022, 32, 117-118. | 12.0 | 8 |
| 4 | USH2A is a Meissnerâ€™s corpuscle protein necessary for normal vibration sensing in mice and humans. Nature Neuroscience, 2021, 24, 74-81. | 14.8 | 52 |
| 5 | A Sweet Story of Metabolic Innovation in the Naked Mole-Rat. Advances in Experimental Medicine and Biology, 2021, 1319, 271-286. | 1.6 | 9 |
| 6 | Hearing and Vocalizations in the Naked Mole-Rat. Advances in Experimental Medicine and Biology, 2021, 1319, 157-195. | 1.6 | 10 |
| 7 | A Role for STOML3 in Olfactory Sensory Transduction. ENeuro, 2021, 8, ENEURO.0565-20.2021. | 1.9 | 8 |
| 8 | African Naked Mole-Rats Demonstrate Extreme Tolerance to Hypoxia and Hypercapnia. Advances in Experimental Medicine and Biology, 2021, 1319, 255-269. | 1.6 | 25 |
| 9 | The Somatosensory World of the African Naked Mole-Rat. Advances in Experimental Medicine and Biology, 2021, 1319, 197-220. | 1.6 | 10 |
| 10 | Cultural transmission of vocal dialect in the naked mole-rat. Science, 2021, 371, 503-507. | 12.6 | 67 |
| 11 | Collagen Organization Within the Cartilage of Trpv4 â^'/â^' Mice Studied with Twoâ€Photon Microscopy and Polarized Second Harmonic Generation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 504-514. | 1.5 | 2 |
| 12 | SUMOylation of Enzymes and Ion Channels in Sensory Neurons Protects against Metabolic Dysfunction, Neuropathy, and Sensory Loss in Diabetes. Neuron, 2020, 107, 1141-1159.e7. | 8.1 | 27 |
| 13 | William D. Willis, Jr, MD, PhD Memorial Lecture: The evolutionary history of nerve growth factor and nociception. Pain, 2020, 161, S36-S47. | 4.2 | 5 |
| 14 | The Sensory Coding of Warm Perception. Neuron, 2020, 106, 830-841.e3. | 8.1 | 119 |
| 15 | Independent evolution of pain insensitivity in African mole-rats: origins and mechanisms. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2020, 206, 313-325. | 1.6 | 9 |
| 16 | TMEM87a/Elkin1, a component of a novel mechanoelectrical transduction pathway, modulates melanoma adhesion and migration. ELife, 2020, 9, . | 6.0 | 43 |
| 17 | Rapid molecular evolution of pain insensitivity in multiple African rodents. Science, 2019, 364, 852-859. | 12.6 | 57 |
| 18 | Immune or Genetic-Mediated Disruption of CASPR2 Causes Pain Hypersensitivity Due to Enhanced Primary Afferent Excitability. Neuron, 2018, 97, 806-822.e10. | 8.1 | 119 |

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|---|---|---|---|
| 19 | Mechanoelectrical transduction in chondrocytes. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 481-488. | 1.9 | 41 |
| 20 | VoltageÂgating of mechanosensitive PIEZO channels. Nature Communications, 2018, 9, 1096. | 12.8 | 118 |
| 21 | The mechanosensitive ion channel Piezo2 mediates sensitivity to mechanical pain in mice. Science Translational Medicine, 2018, 10, . | 12.4 | 247 |
| 22 | The neural circuits of thermal perception. Current Opinion in Neurobiology, 2018, 52, 98-106. | 4.2 | 37 |
| 23 | The Absence of Sensory Axon Bifurcation Affects Nociception and Termination Fields of Afferents in the Spinal Cord. Frontiers in Molecular Neuroscience, 2018, 11, 19. | 2.9 | 27 |
| 24 | Maf links Neuregulin1 signaling to cholesterol synthesis in myelinating Schwann cells. Genes and Development, 2018, 32, 645-657. | 5.9 | 22 |
| 25 | Specialized mechanoreceptor systems in rodent glabrous skin. Journal of Physiology, 2018, 596, 4995-5016. | 2.9 | 66 |
| 26 | Fructose-driven glycolysis supports anoxia resistance in the naked mole-rat. Science, 2017, 356, 307-311. | 12.6 | 503 |
| 27 | Lipidome determinants of maximal lifespan in mammals. Scientific Reports, 2017, 7, 5. | 3.3 | 60 |
| 28 | Small-molecule inhibition of STOML3 oligomerization reverses pathological mechanical hypersensitivity. Nature Neuroscience, 2017, 20, 209-218. | 14.8 | 59 |
| 29 | Congenital deafness is associated with specific somatosensory deficits in adolescents. Scientific Reports, 2017, 7, 4251. | 3.3 | 9 |
| 30 | Genetic Tracing of Cav3.2 T-Type Calcium Channel Expression in the Peripheral Nervous System. Frontiers in Molecular Neuroscience, 2017, 10, 70. | 2.9 | 31 |
| 31 | Direct measurement of TRPV4 and PIEZO1 activity reveals multiple mechanotransduction pathways in chondrocytes. ELife, 2017, 6, . | 6.0 | 190 |
| 32 | A Molecular Signature of Myalgia in Myotonic Dystrophy 2. EBioMedicine, 2016, 7, 205-211. | 6.1 | 16 |
| 33 | Hypofunctional TrkA Accounts for the Absence of Pain Sensitization in the African Naked Mole-Rat. Cell Reports, 2016, 17, 748-758. | 6.4 | 51 |
| 34 | Fxyd2 regulates AÎ´- and C-fiber mechanosensitivity and is required for the maintenance of neuropathic pain. Scientific Reports, 2016, 6, 36407. | 3.3 | 22 |
| 35 | Measurement of Vibration Detection Threshold and Tactile Spatial Acuity in Human Subjects. Journal of Visualized Experiments, 2016, , . | 0.3 | 6 |
| 36 | A Probabilistic Model for Estimating the Depth and Threshold Temperature of C-fiber Nociceptors. Scientific Reports, 2015, 5, 17670. | 3.3 | 7 |

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|---|---|---|---|
| 37 | Photoswitchable fatty acids enable optical control of TRPV1. Nature Communications, 2015, 6, 7118. | 12.8 | 126 |
| 38 | GABA Blocks Pathological but Not Acute TRPV1 Pain Signals. Cell, 2015, 160, 759-770. | 28.9 | 119 |
| 39 | Sensory mechanotransduction at membrane-matrix interfaces. Pflugers Archiv European Journal of Physiology, 2015, 467, 121-132. | 2.8 | 36 |
| 40 | ASICs and mammalian mechanoreceptor function. Neuropharmacology, 2015, 94, 80-86. | 4.1 | 55 |
| 41 | PIEZO2 is required for mechanotransduction in human stem cellâ€“derived touch receptors. Nature Neuroscience, 2015, 18, 10-16. | 14.8 | 102 |
| 42 | Water-Induced Finger Wrinkles Do Not Affect Touch Acuity or Dexterity in Handling Wet Objects. PLoS ONE, 2014, 9, e84949. | 2.5 | 13 |
| 43 | Activation of MAPK overrides the termination of myelin growth and replaces Nrg1/ErbB3 signals during Schwann cell development and myelination. Genes and Development, 2014, 28, 290-303. | 5.9 | 76 |
| 44 | Subunitâ€specific inhibition of acid sensing ion channels by stomatinâ€like protein 1. Journal of Physiology, 2014, 592, 557-569. | 2.9 | 13 |
| 45 | Piezo2 is the major transducer of mechanical forces for touch sensation in mice. Nature, 2014, 516, 121-125. | 27.8 | 660 |
| 46 | Inhibition of c-Kit signaling is associated with reduced heat and cold pain sensitivity in humans. Pain, 2014, 155, 1222-1228. | 4.2 | 10 |
| 47 | Nerve Growth Factor and Nociception: From Experimental Embryology to New Analgesic Therapy. Handbook of Experimental Pharmacology, 2014, 220, 251-282. | 1.8 | 63 |
| 48 | Proâ€neurotrophins, sortilin, and nociception. European Journal of Neuroscience, 2014, 39, 363-374. | 2.6 | 44 |
| 49 | A somatosensory circuit for cooling perception in mice. Nature Neuroscience, 2014, 17, 1560-1566. | 14.8 | 72 |
| 50 | Tuning Piezo ion channels to detect molecular-scale movements relevant for fine touch. Nature Communications, 2014, 5, 3520. | 12.8 | 229 |
| 51 | Natural Selection and Pain Meet at a Sodium Channel. Science, 2013, 342, 428-429. | 12.6 | 4 |
| 52 | Hairy Sensation. Physiology, 2013, 28, 142-150. | 3.1 | 66 |
| 53 | Stomatinâ€domain protein interactions with acidâ€sensing ion channels modulate nociceptor mechanosensitivity. Journal of Physiology, 2013, 591, 5555-5574. | 2.9 | 45 |
| 54 | Abstract 215: Neural precursor cells induce cell death of high-grade astrocytomas through stimulation of TRPV1.. , 2013, , . | | 0 |

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| 55 | A Genetic Basis for Mechanosensory Traits in Humans. PLoS Biology, 2012, 10, e1001318. | 5.6 | 61 |
| 56 | A stomatin dimer modulates the activity of acid-sensing ion channels. EMBO Journal, 2012, 31, 3635-3646. | 7.8 | 72 |
| 57 | The Transcription Factor c-Maf Controls Touch Receptor Development and Function. Science, 2012, 335, 1373-1376. | 12.6 | 147 |
| 58 | KCNQ4 K+ channels tune mechanoreceptors for normal touch sensation in mouse and man. Nature Neuroscience, 2012, 15, 138-145. | 14.8 | 95 |
| 59 | Regulation of ASIC channels by a stomatin/STOML3 complex located in a mobile vesicle pool in sensory neurons. Open Biology, 2012, 2, 120096. | 3.6 | 38 |
| 60 | Neural precursor cells induce cell death of high-grade astrocytomas through stimulation of TRPV1. Nature Medicine, 2012, 18, 1232-1238. | 30.7 | 159 |
| 61 | Specific paucity of unmyelinated Câ€fibers in cutaneous peripheral nerves of the African nakedâ€mole rat: Comparative analysis using six species of bathyergidae. Journal of Comparative Neurology, 2012, 520, 2785-2803. | 1.6 | 27 |
| 62 | Stomatin-domain proteins. European Journal of Cell Biology, 2012, 91, 240-245. | 3.6 | 100 |
| 63 | GÎ±q/11 signaling tonically modulates nociceptor function and contributes to activity-dependent sensitization. Pain, 2012, 153, 184-196. | 4.2 | 31 |
| 64 | Presynaptically Localized Cyclic GMP-Dependent Protein Kinase 1 Is a Key Determinant of Spinal Synaptic Potentiation and Pain Hypersensitivity. PLoS Biology, 2012, 10, e1001283. | 5.6 | 82 |
| 65 | The Molecular and Cellular Identity of Peripheral Osmoreceptors. Neuron, 2011, 69, 332-344. | 8.1 | 141 |
| 66 | Sortilin associates with Trk receptors to enhance anterograde transport and neurotrophin signaling. Nature Neuroscience, 2011, 14, 54-61. | 14.8 | 157 |
| 67 | The Ca<sub>v</sub>3.2 Tâ€type calcium channel regulates temporal coding in mouse mechanoreceptors. Journal of Physiology, 2011, 589, 2229-2243. | 2.9 | 49 |
| 68 | The Molecular Basis of Acid Insensitivity in the African Naked Mole-Rat. Science, 2011, 334, 1557-1560. | 12.6 | 123 |
| 69 | Laminin-332 coordinates mechanotransduction and growth cone bifurcation in sensory neurons. Nature Neuroscience, 2011, 14, 993-1000. | 14.8 | 66 |
| 70 | Peripheral calcium-permeable AMPA receptors regulate chronic inflammatory pain in mice. Journal of Clinical Investigation, 2011, 121, 1608-1623. | 8.2 | 53 |
| 71 | Ultraviolet-B-induced mechanical hyperalgesia: A role for peripheral sensitisation. Pain, 2010, 150, 141-152. | 4.2 | 57 |
| 72 | Absence of Histamine-Induced Itch in the African Naked Mole-Rat and â€œRescueâ€•by Substance P. Molecular Pain, 2010, 6, 1744-8069-6-29. | 2.1 | 35 |

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| 73 | Evidence for a protein tether involved in somatic touch. EMBO Journal, 2010, 29, 855-867. | 7.8 | 84 |
| 74 | RAPID REPORT: Anin vivotethered toxin approach for the cell-autonomous inactivation of voltage-gated sodium channel currents in nociceptors. Journal of Physiology, 2010, 588, 1695-1707. | 2.9 | 28 |
| 75 | Functional Neurokinin and NMDA Receptor Activity in an Animal Naturally Lacking Substance P: The Naked Mole-Rat. PLoS ONE, 2010, 5, e15162. | 2.5 | 20 |
| 76 | Naked Mole Rats: Their Extraordinary Sensory World. , 2010, , 505-512. | | 1 |
| 77 | Nociceptors: a phylogenetic view. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2009, 195, 1089-1106. | 1.6 | 190 |
| 78 | Peripheral sensitisation of nociceptors via Gâ€proteindependent potentiation of mechanotransduction currents. Journal of Physiology, 2009, 587, 3493-3503. | 2.9 | 54 |
| 79 | Developmental waves of mechanosensitivity acquisition in sensory neuron subtypes during embryonic development. EMBO Journal, 2009, 28, 1479-1491. | 7.8 | 83 |
| 80 | Blind and naked, but oh so cool: The subterranean world of the naked moleâ€rat. FASEB Journal, 2009, 23, 416.4. | 0.5 | 0 |
| 81 | Stretching it for pain. Pain, 2008, 137, 3-4. | 4.2 | 3 |
| 82 | Speed and Temperature Dependences of Mechanotransduction in Afferent Fibers Recorded From the Mouse Saphenous Nerve. Journal of Neurophysiology, 2008, 100, 2771-2783. | 1.8 | 51 |
| 83 | Selective Inflammatory Pain Insensitivity in the African Naked Mole-Rat (Heterocephalus glaber). PLoS Biology, 2008, 6, e13. | 5.6 | 157 |
| 84 | Nociceptive Tuning by Stem Cell Factor/c-Kit Signaling. Neuron, 2007, 56, 893-906. | 8.1 | 61 |
| 85 | Stomatin and Sensory Neuron Mechanotransduction. Journal of Neurophysiology, 2007, 98, 3802-3808. | 1.8 | 44 |
| 86 | Roles for the pro-neurotrophin receptor sortilin in neuronal development, aging and brain injury. Nature Neuroscience, 2007, 10, 1449-1457. | 14.8 | 244 |
| 87 | A stomatin-domain protein essential for touch sensation in the mouse. Nature, 2007, 445, 206-209. | 27.8 | 225 |
| 88 | The high threshold mechanotransducer: A status report. Pain, 2006, 120, 3-7. | 4.2 | 40 |
| 89 | Mechanosensitive currents in the neurites of cultured mouse sensory neurones. Journal of Physiology, 2006, 577, 815-828. | 2.9 | 156 |
| 90 | A role for T-type Ca2+ channels in mechanosensation. Cell Calcium, 2006, 40, 165-174. | 2.4 | 21 |

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|---|---|---|---|
| 91 | Chapter 13 Finding Sensory Neuron Mechanotransduction Components. Current Topics in Membranes, 2006, , 379-414. | 0.9 | 1 |
| 92 | The sensory mechanotransduction ion channel ASIC2 (acid sensitive ion channel 2) is regulated by neurotrophin availability. Neuroscience, 2005, 131, 499-511. | 2.3 | 43 |
| 93 | Role of T-Type Calcium Current in Identified D-Hair Mechanoreceptor Neurons Studied In Vitro. Journal of Neuroscience, 2004, 24, 8480-8484. | 3.6 | 66 |
| 94 | A plethora of painful molecules. Current Opinion in Neurobiology, 2004, 14, 443-449. | 4.2 | 39 |
| 95 | Mechanosensation and pain. Journal of Neurobiology, 2004, 61, 30-44. | 3.6 | 200 |
| 96 | The ion channel ASIC1 contributes to visceral but not cutaneous mechanoreceptor function. Gastroenterology, 2004, 127, 1739-1747. | 1.3 | 138 |
| 97 | The AMPA Receptor Subunits GluR-A and GluR-B Reciprocally Modulate Spinal Synaptic Plasticity and Inflammatory Pain. Neuron, 2004, 44, 637-650. | 8.1 | 188 |
| 98 | Identification of Caveolae-like Structures on the Surface of Intact Cells Using Scanning Force Microscopy. Journal of Membrane Biology, 2003, 194, 97-108. | 2.1 | 12 |
| 99 | A T-type calcium channel required for normal function of a mammalian mechanoreceptor. Nature Neuroscience, 2003, 6, 724-730. | 14.8 | 136 |
| 100 | cGMP-mediated signalling via cGKIÎ± is required for the guidance and connectivity of sensory axons. BMC News and Views, 2003, 3, . | 0.0 | 0 |
| 101 | cGMP-mediated signaling via cGKIÎ± is required for the guidance and connectivity of sensory axons. Journal of Cell Biology, 2002, 159, 489-498. | 5.2 | 116 |
| 102 | Distinct requirements for TrkB and TrkC signaling in target innervation by sensory neurons. Genes and Development, 2002, 16, 633-645. | 5.9 | 84 |
| 103 | The Homeodomain Factor Lbx1 Distinguishes Two Major Programs of Neuronal Differentiation in the Dorsal Spinal Cord. Neuron, 2002, 34, 551-562. | 8.1 | 343 |
| 104 | The DRASIC Cation Channel Contributes to the Detection of Cutaneous Touch and Acid Stimuli in Mice. Neuron, 2002, 35, 407. | 8.1 | 0 |
| 105 | Neurotrophin-4. Current Biology, 2002, 12, 1401-1404. | 3.9 | 59 |
| 106 | GFR Î±2/neurturin signalling regulates noxious heat transduction in isolectin B<sub>4</sub>â€binding mouse sensory neurons. Journal of Physiology, 2002, 545, 43-50. | 2.9 | 55 |
| 107 | BDNF but not NT-4 is required for normal flexion reflex plasticity and function. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8107-8112. | 7.1 | 77 |
| 108 | The DRASIC Cation Channel Contributes to the Detection of Cutaneous Touch and Acid Stimuli in Mice. Neuron, 2001, 32, 1071-1083. | 8.1 | 569 |

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| 109 | Lack of Neurotrophin-4 Causes Selective Structural and Chemical Deficits in Sympathetic Ganglia and Their Preganglionic Innervation. Journal of Neuroscience, 2001, 21, 3073-3084. | 3.6 | 35 |
| 110 | Selective activation of nociceptors by P2X receptor agonists in normal and inflamed rat skin. Journal of Physiology, 2001, 534, 437-445. | 2.9 | 107 |
| 111 | Neurotrophins, nociceptors and pain. Current Opinion in Anaesthesiology, 2000, 13, 573-576. | 2.0 | 21 |
| 112 | The mammalian sodium channel BNC1 is required for normal touch sensation. Nature, 2000, 407, 1007-1011. | 27.8 | 469 |
| 113 | Hypoalgesia and altered inflammatory responses in mice lacking kinin B1 receptors. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8140-8145. | 7.1 | 348 |
| 114 | A new role for neurotrophins: involvement of brainâ€derived neurotrophic factor and neurotrophinâ€4 in hair cycle control. FASEB Journal, 1999, 13, 395-410. | 0.5 | 93 |
| 115 | Cellular Sources of Enhanced Brain-Derived Neurotrophic Factor Production in a Mouse Model of Allergic Inflammation Notice to Professional Recruitment and Announcement Advertisers. American Journal of Respiratory Cell and Molecular Biology, 1999, 21, 537-546. | 2.9 | 152 |
| 116 | Neurotrophins: A Link between Airway Inflammation and Airway Smooth Muscle Contractility in Asthma?. International Archives of Allergy and Immunology, 1999, 118, 163-165. | 2.1 | 63 |
| 117 | Stability and plasticity of primary afferent projections following nerve regeneration and central degeneration. European Journal of Neuroscience, 1999, 11, 457-468. | 2.6 | 52 |
| 118 | Abundant Production of Brain-Derived Neurotrophic Factor by Adult Visceral Epithelia. American Journal of Pathology, 1999, 155, 1183-1193. | 3.8 | 245 |
| 119 | Stomatin, a MEC-2 Like Protein, Is Expressed by Mammalian Sensory Neurons. Molecular and Cellular Neurosciences, 1999, 13, 391-404. | 2.2 | 62 |
| 120 | Isolectin B<sub>4</sub>-Positive and -Negative Nociceptors Are Functionally Distinct. Journal of Neuroscience, 1999, 19, 6497-6505. | 3.6 | 418 |
| 121 | A role for BDNF in mechanosensation. Nature Neuroscience, 1998, 1, 42-46. | 14.8 | 168 |
| 122 | BDNF overexpression induces differential increases among subsets of sympathetic innervation in murine back skin. European Journal of Neuroscience, 1998, 10, 3276-3283. | 2.6 | 26 |
| 123 | Neurotrophin-3 Involvement in the Regulation of Hair Follicle Morphogenesis. Journal of Investigative Dermatology, 1998, 111, 279-285. | 0.7 | 55 |
| 124 | Point Mutation in trkB Causes Loss of NT4-Dependent Neurons without Major Effects on Diverse BDNF Responses. Neuron, 1998, 21, 335-345. | 8.1 | 180 |
| 125 | A New Role for Neurotrophin-3. American Journal of Pathology, 1998, 153, 785-799. | 3.8 | 81 |
| 126 | TrkB and Neurotrophin-4 Are Important for Development and Maintenance of Sympathetic Preganglionic Neurons Innervating the Adrenal Medulla. Journal of Neuroscience, 1998, 18, 7272-7284. | 3.6 | 44 |

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|---|---|---|---|
| 127 | Neurotrophins Live or Let Die: Does p75NTR Decide?. Neuron, 1997, 18, 187-190. | 8.1 | 202 |
| 128 | Receptive Properties of Mouse Sensory Neurons Innervating Hairy Skin. Journal of Neurophysiology, 1997, 78, 1841-1850. | 1.8 | 330 |
| 129 | Receptive Properties of Embryonic Chick Sensory Neurons Innervating Skin. Journal of Neurophysiology, 1997, 78, 2560-2568. | 1.8 | 32 |
| 130 | Severe neuropathies in mice with targeted mutations in the ErbB3 receptor. Nature, 1997, 389, 725-730. | 27.8 | 659 |
| 131 | Specific Subtypes of Cutaneous Mechanoreceptors Require Neurotrophin-3 Following Peripheral Target Innervation. Neuron, 1996, 16, 287-295. | 8.1 | 213 |
| 132 | Physiology of the Neurotrophins. Annual Review of Neuroscience, 1996, 19, 289-317. | 10.7 | 1,840 |
| 133 | Maintenance of Modality-specific Connections in the Spinal Cord after Neonatal Nerve Growth Factor Deprivation. European Journal of Neuroscience, 1996, 8, 1677-1684. | 2.6 | 15 |
| 134 | Neurotrophic factors and pain. Seminars in Neuroscience, 1995, 7, 227-232. | 2.2 | 20 |
| 135 | Regulation of cutaneous C-fiber heat nociceptors by nerve growth factor in the developing rat. Journal of Neurophysiology, 1994, 71, 941-949. | 1.8 | 112 |
| 136 | NMDA receptors and activity-dependent tuning of the receptive fields of spinal cord neurons. Nature, 1994, 369, 482-485. | 27.8 | 32 |
| 137 | Peripheral and Central Mechanisms of NGF-induced Hyperalgesia. European Journal of Neuroscience, 1994, 6, 1903-1912. | 2.6 | 481 |
| 138 | An ultrastructural size principle. Neuroscience, 1994, 58, 441-446. | 2.3 | 142 |
| 139 | Muscle Afferents Innervating Skin Form Somatotopically Appropriate Connections in the Adult Rat Dorsal Horn. European Journal of Neuroscience, 1993, 5, 1083-1092. | 2.6 | 14 |
| 140 | Nerve growth factor and nociception. Trends in Neurosciences, 1993, 16, 353-359. | 8.6 | 487 |
| 141 | Altered expression of nerve growth factor in the skin of transgenic mice leads to changes in response to mechanical stimuli. Neuroscience, 1993, 56, 789-792. | 2.3 | 112 |
| 142 | Regulation of myelinated nociceptor function by nerve growth factor in neonatal and adult rats. Brain Research Bulletin, 1993, 30, 245-249. | 3.0 | 31 |
| 143 | Central hyperexcitability triggered by noxious inputs. Current Opinion in Neurobiology, 1993, 3, 602-610. | 4.2 | 329 |
| 144 | Nerve growth factor-induced hyperalgesia in the neonatal and adult rat. Journal of Neuroscience, 1993, 13, 2136-2148. | 3.6 | 525 |

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| 145 | Sensory Neurons: Simulations of Experiments on Single Nerve Fibers and Brain Cells of Sensory Systems. Version 1.0.Richard R. Fay. Quarterly Review of Biology, 1993, 68, 482-483. | 0.1 | 0 |
| 146 | On the role of nerve growth factor in the development of myelinated nociceptors. Journal of Neuroscience, 1992, 12, 1896-1905. | 3.6 | 144 |
| 147 | Neonatal Anti-NGF Treatment Reduces the AÎ´- and C-Fibre Evoked Vasodilator Responses in Rat Skin: Evidence That Nociceptor Afferents Mediate Antidromic Vasodilatation. European Journal of Neuroscience, 1992, 4, 1213-1218. | 2.6 | 34 |
| 148 | Regulation of Afferent Connectivity in the Adult Spinal Cord by Nerve Growth Factor. European Journal of Neuroscience, 1992, 4, 700-707. | 2.6 | 105 |
| 149 | Removing constraints on neural sprouting. Current Biology, 1992, 2, 259-261. | 3.9 | 5 |
| 150 | The consequences of long-term topical capsaicin application in the rat. Pain, 1991, 44, 301-310. | 4.2 | 74 |
| 151 | Physiological properties of primary sensory neurons appropriately and inappropriately innervating skin in the adult rat. Journal of Neurophysiology, 1991, 66, 1205-1217. | 1.8 | 58 |
| 152 | Physiological properties of primary sensory neurons appropriately and inappropriately innervating skeletal muscle in adult rats. Journal of Neurophysiology, 1991, 66, 1218-1231. | 1.8 | 46 |
| 153 | Requirement for nerve growth factor in the development of myelinated nociceptors in vivo. Nature, 1991, 350, 500-502. | 27.8 | 214 |
| 154 | Dorsal Horn Plasticity Following Re-routeing of Peripheral Nerves: Evidence for Tissue-Specific Neurotrophic Influences from the Periphery. European Journal of Neuroscience, 1991, 3, 1112-1122. | 2.6 | 17 |
| 155 | Increase of blood flow in skin and spinal cord following activation of small diameter primary afferents. Brain Research, 1990, 509, 145-149. | 2.2 | 20 |
| 156 | Quantitative analysis of peptide levels and neurogenic extravasation following regeneration of afferents to appropriate and inappropriate targets. Neuroscience, 1989, 33, 67-73. | 2.3 | 50 |