

Nicolas L Chiaia

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,376
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

765
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Development and lesion induced reorganization of the cortical representation of the rat's body surface as revealed by immunocytochemistry for serotonin. <i>Journal of Comparative Neurology</i> , 1990, 293, 190-207. | 1.6 | 135 |
| 2 | Intersubnuclear Connections within the Rat Trigeminal Brainstem Complex. <i>Somatosensory & Motor Research</i> , 1990, 7, 399-420. | 0.9 | 123 |
| 3 | Thalamic processing of vibrissal information in the rat. I. Afferent input to the medial ventral posterior and posterior nuclei. <i>Journal of Comparative Neurology</i> , 1991, 314, 201-216. | 1.6 | 117 |
| 4 | Patterning of local intracortical projections within the vibrissae representation of rat primary somatosensory cortex. <i>Journal of Comparative Neurology</i> , 1995, 354, 551-563. | 1.6 | 104 |
| 5 | Thalamic processing of vibrissal information in the rat: II. Morphological and functional properties of medial ventral posterior nucleus and posterior nucleus neurons. <i>Journal of Comparative Neurology</i> , 1991, 314, 217-236. | 1.6 | 94 |
| 6 | Trigeminal Projections to Contralateral Dorsal Horn: Central Extent, Peripheral Origins, and Plasticity. <i>Somatosensory & Motor Research</i> , 1990, 7, 153-183. | 0.9 | 87 |
| 7 | Parvalbumin and calbindin immunocytochemistry reveal functionally distinct cell groups and vibrissa-related patterns in the trigeminal brainstem complex of the adult rat. <i>Journal of Comparative Neurology</i> , 1992, 320, 323-338. | 1.6 | 73 |
| 8 | Organization of the projections from the trigeminal brainstem complex to the superior colliculus in the rat and hamster: Anterograde tracing with Phaseolus vulgaris leucoagglutinin and intra-axonal injection. <i>Journal of Comparative Neurology</i> , 1989, 289, 641-656. | 1.6 | 52 |
| 9 | Development and plasticity of the serotonergic projection to the Hamster's superior colliculus. <i>Journal of Comparative Neurology</i> , 1990, 299, 151-166. | 1.6 | 46 |
| 10 | Effects of cortical and thalamic lesions upon primary afferent terminations, distributions of projection neurons, and the cytochrome oxidase pattern in the trigeminal brainstem complex. <i>Journal of Comparative Neurology</i> , 1991, 303, 600-616. | 1.6 | 40 |
| 11 | Chronic-Stress-Induced Behavioral Changes Associated with Subregion-Selective Serotonin Cell Death in the Dorsal Raphe. <i>Journal of Neuroscience</i> , 2017, 37, 6214-6223. | 3.6 | 36 |
| 12 | Neonatal infraorbital nerve transection in the rat: Comparison of effects on substance P immunoreactive primary afferents and those recognized by the lectin <i>Bandeiraea simplicifolia</i> -I. <i>Journal of Comparative Neurology</i> , 1990, 300, 249-262. | 1.6 | 31 |
| 13 | Birthdates of trigeminal ganglion cells contributing axons to the infraorbital nerve and specific vibrissal follicles in the rat. <i>Journal of Comparative Neurology</i> , 1991, 307, 163-175. | 1.6 | 31 |
| 14 | Effect of fetal infraorbital nerve transection upon trigeminal primary afferent projections in the rat. <i>Journal of Comparative Neurology</i> , 1989, 287, 82-97. | 1.6 | 30 |
| 15 | Organization and actions of the noradrenergic input to the hamster's superior colliculus. <i>Journal of Comparative Neurology</i> , 1990, 292, 214-230. | 1.6 | 28 |
| 16 | Patterning of the neocortical projections from the raphe nuclei in perinatal rats: Investigation of potential organizational mechanisms. <i>Journal of Comparative Neurology</i> , 1994, 348, 277-290. | 1.6 | 28 |
| 17 | Effects of Postnatal Blockade of Cortical Activity with Tetrodotoxin upon the Development and Plasticity of Vibrissa-Related Patterns in the Somatosensory Cortex of Hamsters. <i>Somatosensory & Motor Research</i> , 1994, 11, 219-228. | 0.9 | 26 |
| 18 | Development and plasticity of local intracortical projections within the vibrissae representation of the rat primary somatosensory cortex. , 1996, 370, 524-535. | | 25 |

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|----|--|-----|-----------|
| 19 | Sensitive period for lesion-induced reorganization of intracortical projections within the vibrissae representation of rat's primary somatosensory cortex. , 1997, 389, 185-192. | | 23 |
| 20 | Effect of Neonatal Axoplasmic Transport Attenuation in the Infraorbital Nerve on Vibrissae-related Patterns in the Rat's Brainstem, Thalamus and Cortex. European Journal of Neuroscience, 1996, 8, 1601-1612. | 2.6 | 22 |
| 21 | Augmentation of serotonin in the developing superior colliculus alters the normal development of the uncrossed retinotectal projection. Journal of Comparative Neurology, 1998, 393, 84-92. | 1.6 | 21 |
| 22 | Topographic Organization of the Peripheral Projections of the Trigeminal Ganglion in the Fetal Rat. Somatosensory & Motor Research, 1990, 7, 67-84. | 0.9 | 20 |
| 23 | Evidence for survival of the central arbors of trigeminal primary afferents after peripheral neonatal axotomy: Experiments with galanin immunocytochemistry and Di-I labelling. Journal of Comparative Neurology, 1994, 350, 397-411. | 1.6 | 20 |
| 24 | Effect of activity blockade on changes in vibrissae-related patterns in the rat's primary somatosensory cortex induced by serotonin depletion. Journal of Comparative Neurology, 1998, 402, 276-283. | 1.6 | 20 |
| 25 | Normal development and effects of neonatal infraorbital nerve damage upon the innervation of the trigeminal brainstem complex by primary afferent fibers containing calcitonin gene-related peptide. Journal of Comparative Neurology, 1992, 324, 282-294. | 1.6 | 19 |
| 26 | Structure-Function relationships in the rat brainstem subnucleus interpolaris: VI. Cervical convergence in cells deafferented at birth and a potential primary afferent substrate. Journal of Comparative Neurology, 1989, 283, 513-525. | 1.6 | 13 |
| 27 | Cholecystokinin concentrations and peptide immunoreactivity in the intact and deafferented medullary dorsal horn of the rat. Journal of Comparative Neurology, 1992, 326, 22-43. | 1.6 | 13 |
| 28 | Lesion-induced changes in the central terminal distribution of galanin-immunoreactive axons in the dorsal column nuclei. Journal of Comparative Neurology, 1993, 332, 378-389. | 1.6 | 13 |
| 29 | Development of Trigeminal Nucleus Principalis in the Rat: Effects of Target Removal at Birth. European Journal of Neuroscience, 1996, 8, 1641-1657. | 2.6 | 13 |
| 30 | Differential expression of acetylcholinesterase in the brainstem, ventrobasal thalamus and primary somatosensory cortex of perinatal rats, mice, and hamsters. Somatosensory & Motor Research, 1999, 16, 269-279. | 0.9 | 13 |
| 31 | Effects of neonatal transection of the infraorbital nerve upon the structural and functional organization of the ventral posteromedial nucleus in the rat. Journal of Comparative Neurology, 1992, 326, 561-579. | 1.6 | 12 |
| 32 | Evidence for prenatal competition among the central arbors of trigeminal primary afferent neurons: Single axon analysis. Journal of Comparative Neurology, 1994, 345, 303-313. | 1.6 | 9 |
| 33 | Birth dates and survival after axotomy of neurochemically defined subsets of trigeminal ganglion cells. Journal of Comparative Neurology, 1995, 352, 308-320. | 1.6 | 9 |
| 34 | Alterations in Brainstem and Cortical Organization of Rats Sustaining Prenatal Vibrissa Follicle Lesions. Somatosensory & Motor Research, 1994, 11, 1-17. | 0.9 | 8 |
| 35 | Differential Effects of Peripheral Manipulations on Vibrissae-Related Patterns in the Trigeminal Brainstem. Somatosensory & Motor Research, 1996, 13, 81-93. | 0.9 | 8 |
| 36 | Long-term effects of neonatal axoplasmic transport attenuation on the organization of the rat's trigeminal system. Journal of Comparative Neurology, 1997, 381, 219-229. | 1.6 | 7 |

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|----|--|-----|-----------|
| 37 | Selective sparing of later-born ganglion cells after neonatal transection of the infraorbital nerve. <i>Journal of Comparative Neurology</i> , 1993, 331, 236-244. | 1.6 | 5 |
| 38 | Synaptic organization of damaged infraorbital nerve axons in perinatal rats: demonstration by galanin immunocytochemistry. <i>Experimental Brain Research</i> , 1996, 110, 47-54. | 1.5 | 1 |
| 39 | Effect of activity blockade on changes in vibrissae-related patterns in the rat's primary somatosensory cortex induced by serotonin depletion. <i>Journal of Comparative Neurology</i> , 1998, 402, 276-283. | 1.6 | 1 |
| 40 | Long-Term Age-Related Consequences of Forelimb Damage upon Expression of Primary Afferent Phenotypes in the Cervical Dorsal Horn. <i>Somatosensory & Motor Research</i> , 1995, 12, 199-208. | 0.9 | 0 |