# Giovanna Gambarotta

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6405696/publications.pdf

Version: 2024-02-01

| 52 | 1,547 | 304368 | 315357 |
|---|---|---|---|
| papers | citations | 22 | 38 |
| | | h-index | g-index |

| 54 | 54 | 54 | 2239 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Blood Vessels: The Pathway Used by Schwann Cells to Colonize Nerve Conduits. International Journal of Molecular Sciences, 2022, 23, 2254. | 1.8 | 11 |
| 2 | Neurodynamic Treatment Promotes Mechanical Pain Modulation in Sensory Neurons and Nerve Regeneration in Rats. Biomedicines, 2022, 10, 1296. | 1.4 | 3 |
| 3 | Neurogranin Regulates Adult-Born Olfactory Granule Cell Spine Density and Odor-Reward Associative Memory in Mice. International Journal of Molecular Sciences, 2021, 22, 4269. | 1.8 | 3 |
| 4 | Stimulation of the four isoforms of receptor tyrosine kinase ErbB4, but not ErbB1, confers cardiomyocyte hypertrophy. Journal of Cellular Physiology, 2021, 236, 8160-8170. | 2.0 | 4 |
| 5 | The neurodynamic treatment induces biological changes in sensory and motor neurons in vitro. Scientific Reports, 2021, 11, 13277. | 1.6 | 8 |
| 6 | Chitosan Micro-Grooved Membranes with Increased Asymmetry for the Improvement of the Schwann Cell Response in Nerve Regeneration. International Journal of Molecular Sciences, 2021, 22, 7901. | 1.8 | 18 |
| 7 | Natural-Based Biomaterials for Peripheral Nerve Injury Repair. Frontiers in Bioengineering and Biotechnology, 2020, 8, 554257. | 2.0 | 62 |
| 8 | Fibroblasts Colonizing Nerve Conduits Express High Levels of Soluble Neuregulin1, a Factor Promoting Schwann Cell Dedifferentiation. Cells, 2020, 9, 1366. | 1.8 | 13 |
| 9 | Critical analysis of the value of the rabbit median nerve model for biomedical research on peripheral nerve grafts. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 736-740. | 1.3 | 4 |
| 10 | Pre- and postnatal exposure to glyphosate-based herbicide causes behavioral and cognitive impairments in adult mice: evidence of cortical ad hippocampal dysfunction. Archives of Toxicology, 2020, 94, 1703-1723. | 1.9 | 55 |
| 11 | The Median Nerve Injury Model in Pre-clinical Research â€“ A Critical Review on Benefits and Limitations. Frontiers in Cellular Neuroscience, 2019, 13, 288. | 1.8 | 24 |
| 12 | Editorial: Peripheral Nerve Regeneration. Frontiers in Cellular Neuroscience, 2019, 13, 464. | 1.8 | 5 |
| 13 | Chitosan tubes enriched with fresh skeletal muscle fibers for delayed repair of peripheral nerve defects. Neural Regeneration Research, 2019, 14, 1079. | 1.6 | 23 |
| 14 | Soluble neuregulin-1 (NRG1): a factor promoting peripheral nerve regeneration by affecting Schwann cell activity immediately after injury. Neural Regeneration Research, 2019, 14, 1374. | 1.6 | 8 |
| 15 | Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. Scientific Reports, 2018, 8, 5047. | 1.6 | 24 |
| 16 | Soluble Neuregulin1 is strongly up-regulated in the rat model of Charcot-Marie-Tooth 1A disease. Experimental Biology and Medicine, 2018, 243, 370-374. | 1.1 | 11 |
| 17 | Combined Influence of Gelatin Fibre Topography and Growth Factors on Cultured Dorsal Root Ganglia Neurons. Anatomical Record, 2018, 301, 1668-1677. | 0.8 | 7 |
| 18 | Decreased Hippocampal Neuroplasticity and Behavioral Impairment in an Animal Model of Inhalant Abuse. Frontiers in Neuroscience, 2018, 12, 35. | 1.4 | 4 |

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|---|---|---|---|
| 19 | Soluble Neuregulin1 Down-Regulates Myelination Genes in Schwann Cells. Frontiers in Molecular Neuroscience, 2018, 11, 157. | 1.4 | 11 |
| 20 | Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. BioMed Research International, 2018, 2018, 1-13. | 0.9 | 27 |
| 21 | Gelatin-based hydrogel for vascular endothelial growth factor release in peripheral nerve tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 459-470. | 1.3 | 81 |
| 22 | Irreversible changes occurring in long-term denervated Schwann cells affect delayed nerve repair. Journal of Neurosurgery, 2017, 127, 843-856. | 0.9 | 38 |
| 23 | Myocardial ischemia/reperfusion upregulates the transcription of the Neuregulin1 receptor ErbB3, but only postconditioning preserves protein translation: Role in oxidative stress. International Journal of Cardiology, 2017, 233, 73-79. | 0.8 | 15 |
| 24 | Effect of sildenafil on human aromatase activity: From in vitro structural analysis to catalysis and inhibition in cells. Journal of Steroid Biochemistry and Molecular Biology, 2017, 165, 438-447. | 1.2 | 9 |
| 25 | Development and characterization of novel agar and gelatin injectable hydrogel as filler for peripheral nerve guidance channels. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 197-208. | 1.3 | 44 |
| 26 | Neuregulin1 alpha activates migration of neuronal progenitors expressing ErbB4. Molecular and Cellular Neurosciences, 2016, 77, 87-94. | 1.0 | 19 |
| 27 | The Neuregulin1/ErbB system is selectively regulated during peripheral nerve degeneration and regeneration. European Journal of Neuroscience, 2016, 43, 351-364. | 1.2 | 44 |
| 28 | Persistent <scp>DNA</scp> damageâ€induced premature senescence alters the functional features of human bone marrow mesenchymal stem cells. Journal of Cellular and Molecular Medicine, 2015, 19, 734-743. | 1.6 | 48 |
| 29 | Local delivery of the Neuregulin1 receptor ecto-domain (ecto-ErbB4) has a positive effect on regenerated nerve fiber maturation. Gene Therapy, 2015, 22, 901-907. | 2.3 | 7 |
| 30 | New insights on the standardization of peripheral nerve regeneration quantitative analysis. Neural Regeneration Research, 2015, 10, 707. | 1.6 | 5 |
| 31 | Identification and Validation of Suitable Housekeeping Genes for Normalizing Quantitative Real-Time PCR Assays in Injured Peripheral Nerves. PLoS ONE, 2014, 9, e105601. | 1.1 | 28 |
| 32 | Characterization of Glial Cell Models andIn VitroManipulation of the Neuregulin1/ErbB System. BioMed Research International, 2014, 2014, 1-15. | 0.9 | 11 |
| 33 | Deletion of GABAâ€B Receptor in Schwann Cells Regulates Remak Bundles and Small Nociceptive Câ€fibers. Glia, 2014, 62, 548-565. | 2.5 | 37 |
| 34 | The four isoforms of the tyrosine kinase receptor ErbB4 provide neural progenitor cells with an adhesion preference for the transmembrane type III isoform of the ligand neuregulin 1. NeuroReport, 2014, 25, 233-241. | 0.6 | 6 |
| 35 | Neuregulin 1 isoforms could be an effective therapeutic candidate to promote peripheral nerve regeneration. Neural Regeneration Research, 2014, 9, 1183. | 1.6 | 11 |
| 36 | Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. Biomaterials, 2013, 34, 9886-9904. | 5.7 | 140 |

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|---|---|---|---|
| 37 | Neuregulin 1 Role in Schwann Cell Regulation and Potential Applications to Promote Peripheral Nerve Regeneration. International Review of Neurobiology, 2013, 108, 223-256. | 0.9 | 48 |
| 38 | ErbB2 Receptor Over-Expression Improves Post-Traumatic Peripheral Nerve Regeneration in Adult Mice. PLoS ONE, 2013, 8, e56282. | 1.1 | 23 |
| 39 | Eps8 involvement in neuregulin1-ErbB4 mediated migration in the neuronal progenitor cell line ST14A. Experimental Cell Research, 2011, 317, 757-769. | 1.2 | 9 |
| 40 | Neuregulin1/ErbB4-induced migration in ST14A striatal progenitors: calcium-dependent mechanisms and modulation by NMDA receptor activation. BMC Neuroscience, 2011, 12, 103. | 0.8 | 11 |
| 41 | Denervation and reinnervation of adult skeletal muscle modulate mRNA expression of neuregulinâ€1 and ErbB receptors. Microsurgery, 2009, 29, 464-472. | 0.6 | 25 |
| 42 | Morphological and biomolecular characterization of the neonatal olfactory bulb ensheathing cell line. Journal of Neuroscience Methods, 2009, 185, 89-98. | 1.3 | 17 |
| 43 | Use of hybrid chitosan membranes and N1E-115 cells for promoting nerve regeneration in an axonotmesis rat model. Biomaterials, 2008, 29, 4409-4419. | 5.7 | 115 |
| 44 | Nerve regeneration along bioengineered scaffolds. Microsurgery, 2007, 27, 429-438. | 0.6 | 33 |
| 45 | Functional, morphological and biomolecular assessment of posttraumatic neuro-muscular recovery in the rat forelimb model. Acta Neurochirurgica Supplementum, 2007, 100, 173-177. | 0.5 | 13 |
| 46 | Differential expression of neuregulins and their receptors in the olfactory bulb layers of the developing mouse. Brain Research, 2006, 1077, 37-47. | 1.1 | 11 |
| 47 | Stathmin Expression Modulates Migratory Properties of GN-11 Neurons in Vitro. Endocrinology, 2005, 146, 1825-1834. | 1.4 | 35 |
| 48 | ErbB4 Expression in Neural Progenitor Cells (ST14A) Is Necessary to Mediate Neuregulin-1Î²1-induced Migration. Journal of Biological Chemistry, 2004, 279, 48808-48816. | 1.6 | 57 |
| 49 | Bioactive recombinant neuregulin-1, -2, and -3 expressed in Escherichia coli. Protein Expression and Purification, 2004, 35, 25-31. | 0.6 | 13 |
| 50 | A gene trap vector system for identifying transcriptionally responsive genes. Nature Biotechnology, 2001, 19, 579-582. | 9.4 | 69 |
| 51 | A Natural Hepatocyte Growth Factor/Scatter Factor Autocrine Loop in Myoblast Cells and the Effect of the Constitutive Met Kinase Activation on Myogenic Differentiation. Journal of Cell Biology, 1997, 137, 1057-1068. | 2.3 | 165 |
| 52 | Control of invasive growth by the HGF receptor family. Journal of Cellular Physiology, 1997, 173, 183-186. | 2.0 | 35 |