# Gustavo Egea

List of Publications by Year
in descending order



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|---|---|---|---|
| 109 papers | 7,137 citations | 108046 37 h-index | 66518 82 g-index |
| 113 all docs | 113 docs citations | 113 times ranked | 15755 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Arachnoid membrane as a source of sphingosine-1-phosphate that regulates mouse middle cerebral artery tone. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 162-174. | 2.4 | 2 |
| 2 | The homeostatic role of hydrogen peroxide, superoxide anion and nitric oxide in the vasculature. Free Radical Biology and Medicine, 2021, 162, 615-635. | 1.3 | 57 |
| 3 | Anti-TGFÎ² (Transforming Growth Factor Î²) Therapy With Betaglycan-Derived P144 Peptide Gene Delivery Prevents the Formation of Aortic Aneurysm in a Mouse Model of Marfan Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e440-e452. | 1.1 | 12 |
| 4 | Cyclophilin A/EMMPRIN Axis Is Involved in Pro-Fibrotic Processes Associated with Thoracic Aortic Aneurysm of Marfan Syndrome Patients. Cells, 2020, 9, 154. | 1.8 | 11 |
| 5 | Reactive Oxygen Species and Oxidative Stress in the Pathogenesis and Progression of Genetic Diseases of the Connective Tissue. Antioxidants, 2020, 9, 1013. | 2.2 | 21 |
| 6 | A FBN1 3â€²UTR mutation variant is associated with endoplasmic reticulum stress in aortic aneurysm in Marfan syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 107-114. | 1.8 | 18 |
| 7 | Redox stress in Marfan syndrome: Dissecting the role of the NADPH oxidase NOX4 in aortic aneurysm. Free Radical Biology and Medicine, 2018, 118, 44-58. | 1.3 | 57 |
| 8 | Altered TGF-Î² endocytic trafficking contributes to the increased signaling in Marfan syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 554-562. | 1.8 | 16 |
| 9 | P4552EMMPRIN is involved in thoracic aortic aneurysm of Marfan syndrome patients. European Heart Journal, 2018, 39, . | 1.0 | 0 |
| 10 | MicroCT imaging reveals differential 3D micro-scale remodelling of the murine aorta in ageing and Marfan syndrome. Theranostics, 2018, 8, 6038-6052. | 4.6 | 17 |
| 11 | High-Resolution Morphological Approach to Analyse Elastic Laminae Injuries of the Ascending Aorta in a Murine Model of Marfan Syndrome. Scientific Reports, 2017, 7, 1505. | 1.6 | 23 |
| 12 | Cardiovascular Benefits of Moderate Exercise Training in Marfan Syndrome: Insights From an Animal Model. Journal of the American Heart Association, 2017, 6, . | 1.6 | 39 |
| 13 | Mutations inTRAPPC11are associated with a congenital disorder of glycosylation. Human Mutation, 2017, 38, 148-151. | 1.1 | 34 |
| 14 | Differences in the Thoracic Aorta by Region and Sex in a Murine Model of Marfan Syndrome. Frontiers in Physiology, 2017, 8, 933. | 1.3 | 24 |
| 15 | Caveolinâ€1â€dependent activation of the metalloprotease <scp>TACE</scp>/<scp>ADAM</scp>17 by <scp>TGF</scp>â€Î² in hepatocytes requires activation of Src and the <scp>NADPH</scp> oxidase <scp>NOX</scp>1. FEBS Journal, 2016, 283, 1300-1310. | 2.2 | 21 |
| 16 | NADPH oxidase 4 attenuates cerebral artery changes during the progression of Marfan syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1081-H1090. | 1.5 | 13 |
| 17 | Actin Filaments Are Involved in the Coupling of V0-V1 Domains of Vacuolar H+-ATPase at the Golgi Complex. Journal of Biological Chemistry, 2016, 291, 7286-7299. | 1.6 | 8 |
| 18 | Early Impairment of Lung Mechanics in a Murine Model of Marfan Syndrome. PLoS ONE, 2016, 11, e0152124. | 1.1 | 21 |

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| 19 | Possible roles of amyloids in malaria pathophysiology. Future Science OA, 2015, 1, FSO43. | 0.9 | 4 |
| 20 | Elevated expression levels of lysyl oxidases protect against aortic aneurysm progression in Marfan syndrome. Journal of Molecular and Cellular Cardiology, 2015, 85, 48-57. | 0.9 | 30 |
| 21 | Increased upper airway collapsibility in a mouse model of Marfan syndrome. Respiratory Physiology and Neurobiology, 2015, 207, 58-60. | 0.7 | 7 |
| 22 | Applying the Retroâ€Enantio Approach To Obtain a Peptide Capable of Overcoming the Bloodâ€“Brain Barrier. Angewandte Chemie - International Edition, 2015, 54, 3967-3972. | 7.2 | 96 |
| 23 | Vascular Smooth Muscle Cell Phenotypic Changes in Patients With Marfan Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 960-972. | 1.1 | 116 |
| 24 | Mechanisms regulating cell membrane localization of the chemokine receptor CXCR4 in human hepatocarcinoma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1205-1218. | 1.9 | 18 |
| 25 | Direct Cytoskeleton Forces Cause Membrane Softening in Red Blood Cells. Biophysical Journal, 2015, 108, 2794-2806. | 0.2 | 67 |
| 26 | <scp>PLCÎ³1</scp> Participates in Protein Transport and Diacylglycerol Production Triggered by cargo Arrival at the Golgi. Traffic, 2015, 16, 250-266. | 1.3 | 15 |
| 27 | Caveolin-1 is required for TGF-Î² -induced transactivation of the EGF receptor pathway in hepatocytes through the activation of the metalloprotease TACE/ADAM17. Cell Death and Disease, 2014, 5, e1326-e1326. | 2.7 | 38 |
| 28 | Artificially-induced organelles are optimal targets for optical trapping experiments in living cells. Biomedical Optics Express, 2014, 5, 1993. | 1.5 | 9 |
| 29 | Golgi Apparatus: Finally Mechanics Comes to Play in the Secretory Pathway. Current Biology, 2014, 24, R741-R743. | 1.8 | 4 |
| 30 | Overactivation of the TGF-Î² pathway confers a mesenchymal-like phenotype and CXCR4-dependent migratory properties to liver tumor cells. Hepatology, 2013, 58, 2032-2044. | 3.6 | 113 |
| 31 | Lipid phosphate phosphatase 3 participates in transport carrier formation and protein trafficking in the early secretory pathway. Journal of Cell Science, 2013, 126, 2641-55. | 1.2 | 32 |
| 32 | Actin acting at the Golgi. Histochemistry and Cell Biology, 2013, 140, 347-360. | 0.8 | 57 |
| 33 | Î²III Spectrin Regulates the Structural Integrity and the Secretory Protein Transport of the Golgi Complex. Journal of Biological Chemistry, 2013, 288, 2157-2166. | 1.6 | 19 |
| 34 | Delivery of gold nanoparticles to the brain by conjugation with a peptide that recognizes the transferrin receptor. Biomaterials, 2012, 33, 7194-7205. | 5.7 | 220 |
| 35 | Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544. | 4.3 | 3,122 |
| 36 | Ethanol increases p190RhoGAP activity, leading to actin cytoskeleton rearrangements. Journal of Neurochemistry, 2011, 119, 1306-1316. | 2.1 | 11 |

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|---|---|---|---|
| 37 | High-speed tracking of intracellular structures: understanding the transport mechanisms in living plant cells. , 2011, , . | | 0 |
| 38 | Phospholipid Synthesis Participates in the Regulation of Diacylglycerol Required for Membrane Trafficking at the Golgi Complex. Journal of Biological Chemistry, 2011, 286, 28632-28643. | 1.6 | 34 |
| 39 | Activating Transcription Factor 6 Limits Intracellular Accumulation of Mutant Î±1-Antitrypsin Z and Mitochondrial Damage in Hepatoma Cells. Journal of Biological Chemistry, 2011, 286, 41563-41577. | 1.6 | 40 |
| 40 | Silver Sub-nanoclusters Electrocatalyze Ethanol Oxidation and Provide Protection against Ethanol Toxicity in Cultured Mammalian Cells. Journal of the American Chemical Society, 2010, 132, 6947-6954. | 6.6 | 41 |
| 41 | Changes in the internal organization of the cell by microstructured substrates. Soft Matter, 2010, 6, 582-590. | 1.2 | 8 |
| 42 | Mutant Huntingtin Impairs Post-Golgi Trafficking to Lysosomes by Delocalizing Optineurin/Rab8 Complex from the Golgi Apparatus. Molecular Biology of the Cell, 2009, 20, 1478-1492. | 0.9 | 145 |
| 43 | Chronic ethanol exposure induces alterations in the nucleocytoplasmic transport in growing astrocytes. Journal of Neurochemistry, 2008, 106, 1914-1928. | 2.1 | 15 |
| 44 | Vacuole Membrane Protein 1 Is an Endoplasmic Reticulum Protein Required for Organelle Biogenesis, Protein Secretion, and Development. Molecular Biology of the Cell, 2008, 19, 3442-3453. | 0.9 | 54 |
| 45 | Dynamics of an F-actin aggresome generated by the actin-stabilizing toxin jasplakinolide. Journal of Cell Science, 2008, 121, 1415-1425. | 1.2 | 68 |
| 46 | Clearance of a Hirano body-like F-actin aggresome generated by jasplakinolide. Autophagy, 2008, 4, 717-720. | 4.3 | 11 |
| 47 | The role of the cytoskeleton in the structure and function of the Golgi apparatus. , 2008, , 270-300. | | 4 |
| 48 | Novel Molecular Targets for the Prevention of Fetal Alcohol Syndrome. Recent Patents on CNS Drug Discovery, 2007, 2, 23-35. | 0.9 | 17 |
| 49 | Diacylglycerol Is Required for the Formation of COPI Vesicles in the Golgi-to-ER Transport Pathway. Molecular Biology of the Cell, 2007, 18, 3250-3263. | 0.9 | 92 |
| 50 | Variable actin dynamics requirement for the exit of different cargo from the transâ€Golgi network. FEBS Letters, 2007, 581, 3875-3881. | 1.3 | 43 |
| 51 | Lysophosphatidic acid rescues RhoA activation and phosphoinositides levels in astrocytes exposed to ethanol. Journal of Neurochemistry, 2007, 102, 1044-1052. | 2.1 | 22 |
| 52 | Actin dynamics at the Golgi complex in mammalian cells. Current Opinion in Cell Biology, 2006, 18, 168-178. | 2.6 | 158 |
| 53 | Actin filaments are involved in the maintenance of Golgi cisternae morphology and intra-Golgi pH. Cytoskeleton, 2006, 63, 778-791. | 4.4 | 60 |
| 54 | Mutant huntingtin Impairs the Post-Golgi Trafficking of Brain-Derived Neurotrophic Factor But Not Its Val66Met Polymorphism. Journal of Neuroscience, 2006, 26, 12748-12757. | 1.7 | 71 |

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| 55 | Structure and Dynamics of the Golgi Complex at 15 oC: Low Temperature Induces the Formation of Golgi-Derived Tubules. Traffic, 2005, 6, 32-44. | 1.3 | 40 |
| 56 | Membrane trafficking at the ER/Golgi interface: Functional implications of RhoA and Rac1. European Journal of Cell Biology, 2005, 84, 699-707. | 1.6 | 16 |
| 57 | Ethanol perturbs the secretory pathway in astrocytes. Neurobiology of Disease, 2005, 20, 773-784. | 2.1 | 39 |
| 58 | PRENATAL ETHANOL EXPOSURE ALTERS THE CYTOSKELETON AND INDUCES GLYCOPROTEIN MICROHETEROGENEITY IN RAT NEWBORN HEPATOCYTES. Alcohol and Alcoholism, 2004, 39, 203-212. | 0.9 | 21 |
| 59 | Activation of H-Ras in the Endoplasmic Reticulum by the RasGRF Family Guanine Nucleotide Exchange Factors. Molecular and Cellular Biology, 2004, 24, 1516-1530. | 1.1 | 87 |
| 60 | Association of Cdc42/N-WASP/Arp2/3 Signaling Pathway with Golgi Membranes. Traffic, 2004, 5, 838-846. | 1.3 | 79 |
| 61 | Fluorescent analogues of plasma membrane sphingolipids are sorted to different intracellular compartments in astrocytes. FEBS Letters, 2004, 563, 59-65. | 1.3 | 19 |
| 62 | The AE2 anion exchanger is necessary for the structural integrity of the Golgi apparatus in mammalian cells. FEBS Letters, 2004, 564, 97-103. | 1.3 | 19 |
| 63 | Protective effects of lysophosphatidic acid (LPA) on chronic ethanol-induced injuries to the cytoskeleton and on glucose uptake in rat astrocytes. Journal of Neurochemistry, 2003, 87, 220-229. | 2.1 | 41 |
| 64 | Myosin Motors and Not Actin Comets Are Mediators of the Actin-based Golgi-to-Endoplasmic Reticulum Protein Transport. Molecular Biology of the Cell, 2003, 14, 445-459. | 0.9 | 84 |
| 65 | Regulation of Protein Transport from the Golgi Complex to the Endoplasmic Reticulum by CDC42 and N-WASP. Molecular Biology of the Cell, 2002, 13, 866-879. | 0.9 | 144 |
| 66 | Ethanol impairs monosaccharide uptake and glycosylation in cultured rat astrocytes. Journal of Neurochemistry, 2002, 83, 601-612. | 2.1 | 35 |
| 67 | Endocytosis of NBD-Sphingolipids in Neurons: Exclusion from Degradative Compartments and Transport to the Golgi Complex. Traffic, 2001, 2, 395-405. | 1.3 | 19 |
| 68 | Actin Microfilaments Facilitate the Retrograde Transport from the Golgi Complex to the Endoplasmic Reticulum in Mammalian Cells. Traffic, 2001, 2, 717-726. | 1.3 | 95 |
| 69 | The Golgi-associated COPI-coated buds and vesicles contain beta /gamma -actin. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1560-1565. | 3.3 | 68 |
| 70 | Morphological changes in the Golgi complex correlate with actin cytoskeleton rearrangements. Cytoskeleton, 1999, 43, 334-348. | 4.4 | 50 |
| 71 | Morphological and biochemical analysis of the secretory pathway in melanoma cells with distinct metastatic potential. FEBS Letters, 1999, 451, 315-320. | 1.3 | 5 |
| 72 | PDMP blocks the BFA-induced ADP-ribosylation of BARS-50 in isolated Golgi membranes. FEBS Letters, 1999, 459, 310-312. | 1.3 | 8 |

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| 73 | N-Ras induces alterations in Golgi complex architecture and in constitutive protein transport. Journal of Cell Science, 1999, 112, 477-489. | 1.2 | 28 |
| 74 | N-Ras induces alterations in Golgi complex architecture and in constitutive protein transport. Journal of Cell Science, 1999, 112 ( Pt 4), 477-89. | 1.2 | 7 |
| 75 | Human colon adenocarcinomas express a MUC1-associated novel carbohydrate epitope on core mucin glycans defined by a monoclonal antibody (A10) raised against murine Ehrlich tumor cells. Cancer Research, 1999, 59, 1061-70. | 0.4 | 18 |
| 76 | Actin microfilaments are essential for the cytological positioning and morphology of the Golgi complex. European Journal of Cell Biology, 1998, 76, 9-17. | 1.6 | 125 |
| 77 | PDMP Blocks Brefeldin Aâ€“induced Retrograde Membrane Transport from Golgi to ER: Evidence for Involvement of Calcium Homeostasis and Dissociation from Sphingolipid Metabolism. Journal of Cell Biology, 1998, 142, 25-38. | 2.3 | 45 |
| 78 | Ceramide transport from endoplasmic reticulum to Golgi apparatus is not vesicle-mediated. Biochemical Journal, 1998, 333, 779-786. | 1.7 | 48 |
| 79 | mRNA encoding the Î²-subunit of the mitochondrial F1-ATPase complex is a localized mRNA in rat hepatocytes. Biochemical Journal, 1997, 322, 557-565. | 1.7 | 51 |
| 80 | Subcellular structure containing mRNA for Î² subunit of mitochondrial H+-ATP synthase in rat hepatocytes is translationally active. Biochemical Journal, 1997, 324, 635-643. | 1.7 | 31 |
| 81 | Intracellular Location of SNAP-25 in Human Neutrophils. Biochemical and Biophysical Research Communications, 1997, 239, 592-597. | 1.0 | 33 |
| 82 | Lysosomal Î±-glucosidase: cell-specific processing and altered maturation in HT-29 colon cancer cells. Biochemical Journal, 1996, 314, 33-40. | 1.7 | 8 |
| 83 | Changing Patterns of Transcriptional and Post-transcriptional Control of Î²-F1-ATPase Gene Expression during Mitochondrial Biogenesis in Liver. Journal of Biological Chemistry, 1995, 270, 10342-10350. | 1.6 | 94 |
| 84 | gp74 a membrane glycoprotein of the cis-Golgi network that cycles through the endoplasmic reticulum and intermediate compartment. Journal of Cell Biology, 1994, 124, 649-665. | 2.3 | 42 |
| 85 | Association of the regulatory beta-adrenergic receptor kinase with rat liver microsomal membranes. Journal of Biological Chemistry, 1994, 269, 1348-55. | 1.6 | 27 |
| 86 | Î± galnac is essential for recognition of EXO-1 epithelial antigen by mouse monoclonal antibody Pa-G-14. International Journal of Cancer, 1993, 55, 857-864. | 2.3 | 4 |
| 87 | High resolution labeling of cholinergic nerve terminals using a specific fully active biotinylated botulinum neurotoxin type A. Journal of Neuroscience Research, 1993, 36, 635-645. | 1.3 | 9 |
| 88 | Calcium channel antagonist omega-conotoxin binds to intramembrane particles of isolated nerve terminals. Neuroscience, 1993, 54, 745-752. | 1.1 | 9 |
| 89 | Detection of the MUC2 apomucin tandem repeat with a mouse monoclonal antibody. Gastroenterology, 1993, 104, 93-102. | 0.6 | 63 |
| 90 | Lectin Cytochemistry Using Colloidal Gold Methodology. , 1993, , 215-233. | | 2 |

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| 91 | Glycosyl phosphatidylinositol membrane anchoring of melanotransferrin (p97): apical compartmentalization in intestinal epithelial cells. Journal of Cell Science, 1993, 104, 1155-1162. | 1.2 | 69 |
| 92 | cis-Golgi resident proteins and O-glycans are abnormally compartmentalized in the RER of colon cancer cells. Journal of Cell Science, 1993, 105, 819-830. | 1.2 | 57 |
| 93 | cis-Golgi resident proteins and O-glycans are abnormally compartmentalized in the RER of colon cancer cells. Journal of Cell Science, 1993, 105 ( Pt 3), 819-30. | 1.2 | 23 |
| 94 | Glycosyl phosphatidylinositol membrane anchoring of melanotransferrin (p97): apical compartmentalization in intestinal epithelial cells. Journal of Cell Science, 1993, 104 ( Pt 4), 1155-62. | 1.2 | 13 |
| 95 | Carbohydrate patterns of the pure cholinergic synapse of Torpedo electric organ: a cytochemical and immunocytochemical electron microscopic approach.. Journal of Histochemistry and Cytochemistry, 1992, 40, 513-521. | 1.3 | 5 |
| 96 | Nuclear location of phosphoglycerate mutase BB isozyme in rat tissues. Histochemistry, 1992, 97, 269-275. | 1.9 | 10 |
| 97 | Binding of botulinum neurotoxin to pure cholinergic nerve terminals isolated from the electric organ of Torpedo. Journal of Neural Transmission, 1992, 90, 87-102. | 1.4 | 11 |
| 98 | Ultrastructural Changes Induced by 12-O-Tetradecanoylphorbol 13-Acetate in Pure Cholinergic Synaptosomes of Torpedo Electric Organ. Journal of Neurochemistry, 1991, 57, 1593-1598. | 2.1 | 2 |
| 99 | Mucin production by colon cancer cells cultured in serum-free medium. International Journal of Cancer, 1991, 49, 787-795. | 2.3 | 12 |
| 100 | Tetanus toxin blocks potassium-induced transmitter release and rearrangement of intramembrane particles at pure cholinergic synaptosomes. Toxicon, 1990, 28, 311-318. | 0.8 | 9 |
| 101 | The action of botulinum toxin on cholinergic nerve terminals isolated from the electric organ of Torpedo marmorata. Detection of a putative toxin receptor. Journal De Physiologie, 1990, 84, 174-9. | 0.2 | 0 |
| 102 | Location of phosphoglycerate mutase in rat skeletal muscle. An immunocytochemical and biochemical study. European Journal of Cell Biology, 1990, 51, 151-6. | 1.6 | 8 |
| 103 | Light and electron microscopic detection of (3 Gal ?1,4 GlcNAc ?1) sequences in asparagine-linked oligosaccharides with the Datura stramonium lectin. Histochemistry, 1989, 92, 515-522. | 1.9 | 28 |
| 104 | Increase in reactive cholesterol in the presynaptic membrane of depolarized Torpedo synaptosomes: Blockade by botulinum toxin type a. Neuroscience, 1989, 31, 521-527. | 1.1 | 2 |
| 105 | Botulinum toxin type A blocks the morphological changes induced by chemical stimulation on the presynaptic membrane of Torpedo synaptosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 372-376. | 3.3 | 24 |
| 106 | Botulinum neurotoxin inhibits depolarization-stimulated protein phosphorylation in pure cholinergic synaptosomes. FEBS Letters, 1987, 219, 219-223. | 1.3 | 12 |
| 107 | ATP release from pure cholinergic synaptosomes is not blocked by tetanus toxin. FEBS Letters, 1987, 213, 337-340. | 1.3 | 29 |
| 108 | Structural changes at pure cholinergic synaptosomes during the transmitter release induced by A-23187 inTorpedo marmorata. Cell and Tissue Research, 1987, 248, 207-214. | 1.5 | 21 |

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|---|---|---|---|
| 109 | Cytoskeleton and Golgi-apparatus interactions: a two-way road of function and structure. Cell Health and Cytoskeleton, 0, , 37. | 0.7 | 21 |