# SÃ¡ndor Damjanovich

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 3,196 citations | 186265 28 h-index | 175258 52 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 2401 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lipopolysaccharide and ceramide docking to CD14 provokes ligand-specific receptor clustering in rafts. European Journal of Immunology, 2001, 31, 3153-3164. | 2.9 | 408 |
| 2 | Application of fluorescence resonance energy transfer in the clinical laboratory: Routine and research. , 1998, 34, 159-179. | | 187 |
| 3 | The role of protein fluctuations in enzyme action: A review. Progress in Biophysics and Molecular Biology, 1982, 39, 109-146. | 2.9 | 172 |
| 4 | Lipid rafts and the local density of ErbB proteins influence the biological role of homo- and heteroassociations of ErbB2. Journal of Cell Science, 2002, 115, 4251-4262. | 2.0 | 167 |
| 5 | Fluorescence energy transfer measurements on cell surfaces: A critical comparison of steady-state fluorimetric and flow cytometric methods. Cytometry, 1984, 5, 210-216. | 1.8 | 129 |
| 6 | IL-2 and IL-15 receptor Â-subunits are coexpressed in a supramolecular receptor cluster in lipid rafts of T cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11082-11087. | 7.1 | 114 |
| 7 | The dynamic basis of energy transduction in enzymes. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1984, 768, 81-112. | 0.2 | 83 |
| 8 | GPI-microdomains (membrane rafts) and signaling of the multi-chain interleukin-2 receptor in human lymphoma/leukemia Tâ€ƒcell lines. FEBS Journal, 2002, 269, 1199-1208. | 0.2 | 78 |
| 9 | Fluorescence energy transfer and membrane potential measurements monitor dynamic properties of cell membranes: A critical review. Progress in Biophysics and Molecular Biology, 1987, 49, 65-87. | 2.9 | 70 |
| 10 | Flow cytometric measurements of fluorescence energy transfer using single laser excitation. Cytometry, 1987, 8, 120-128. | 1.8 | 68 |
| 11 | Lateral organization of the ICAM-1 molecule at the surface of human lymphoblasts: A possible model for its co-distribution with the IL-2 receptor, class I and class II HLA molecules. European Journal of Immunology, 1994, 24, 2115-2123. | 2.9 | 68 |
| 12 | Nanometer-scale organization of the alpha subunits of the receptors for IL2 and IL15 in human T lymphoma cells. Journal of Cell Science, 2008, 121, 627-633. | 2.0 | 61 |
| 13 | Class I HLA oligomerization at the surface of B cells is controlled by exogenous beta2-microglobulin: implications in activation of cytotoxic T lymphocytes. International Immunology, 2003, 15, 331-339. | 4.0 | 59 |
| 14 | Computer program for determining fluorescence resonance energy transfer efficiency from flow cytometric data on a cell-by-cell basis. Computer Methods and Programs in Biomedicine, 2004, 75, 201-211. | 4.7 | 56 |
| 15 | Cyclosporin depolarizes human lymphocytes: earliest observed effect on cell metabolism. European Journal of Immunology, 1987, 17, 763-768. | 2.9 | 53 |
| 16 | Complexity of signal transduction mediated by ErbB2: Clues to the potential of receptor-targeted cancer therapy. Pathology and Oncology Research, 1999, 5, 255-271. | 1.9 | 50 |
| 17 | Novel calibration method for flow cytometric fluorescence resonance energy transfer measurements between visible fluorescent proteins. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 67A, 86-96. | 1.5 | 50 |
| 18 | Luminescence spectroscopic approaches in studying cell surface dynamics. Quarterly Reviews of Biophysics, 1988, 21, 479-544. | 5.7 | 49 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | EGF-induced redistribution of erbB2 on breast tumor cells: Flow and image cytometric energy transfer measurements. , 1998, 32, 120-131. | | 48 |
| 20 | Conformation of the c-Fos/c-Jun Complex In Vivo: A Combined FRET, FCCS, and MD-Modeling Study. Biophysical Journal, 2008, 94, 2859-2868. | 0.5 | 48 |
| 21 | INF-Î³ Rearranges Membrane Topography of MHC-I and ICAM-1 in Colon Carcinoma Cells. Biochemical and Biophysical Research Communications, 2002, 290, 635-640. | 2.1 | 46 |
| 22 | N-Alkane uptake and utilisation by Streptomyces strains. Antonie Van Leeuwenhoek, 2001, 79, 269-276. | 1.7 | 45 |
| 23 | Clustering of Class I HLA Oligomers with CD8 and TCR: Three-Dimensional Models Based on Fluorescence Resonance Energy Transfer and Crystallographic Data. Journal of Immunology, 2001, 166, 5078-5086. | 0.8 | 41 |
| 24 | A biophysical approach to IL-2 and IL-15 receptor function: Localization, conformation and interactions. Immunology Letters, 2008, 116, 117-125. | 2.5 | 40 |
| 25 | Twoâ€sided fluorescence resonance energy transfer for assessing molecular interactions of up to three distinct species in confocal microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 209-219. | 1.5 | 37 |
| 26 | Cyclosporin A depolarizes cytoplasmic membrane potential and interacts with Ca2+ ionophores. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 886, 353-360. | 4.1 | 34 |
| 27 | The CD45 tyrosine phosphatase regulates Campath-1H (CD52)-induced TCR-dependent signal transduction in human T cells. International Immunology, 2000, 12, 505-516. | 4.0 | 33 |
| 28 | The reactivity of SH groups in phosphorylase. Biochimica Et Biophysica Acta: BBA Enzymology and Biological Oxidation, 1966, 122, 145-147. | 1.6 | 31 |
| 29 | Studies on the SH groups of phosphorylase b Reaction with 5,5â€²-dithiobis-(2-nitrobenzoic acid). Biochimica Et Biophysica Acta - Biomembranes, 1969, 185, 88-102. | 2.6 | 30 |
| 30 | The Effect of Juglone on the Membrane Potential and Whole-Cell K+Currents of Human Lymphocytes. Biochemical and Biophysical Research Communications, 1996, 218, 828-832. | 2.1 | 30 |
| 31 | Modification of membrane cholesterol level affects expression and clustering of class I HLA molecules at the surface of JY human lymphoblasts. Immunology Letters, 1996, 54, 221-226. | 2.5 | 29 |
| 32 | Cytoplasmic membrane potential of mouse lymphocytes is decreased by cyclosporins. Molecular Immunology, 1986, 23, 175-180. | 2.2 | 28 |
| 33 | A photobleaching energy transfer analysis of CD8MHC-I and LFA-1ICAM-1 interactions in CTL-target cell conjugates. Immunology Letters, 1996, 54, 151-156. | 2.5 | 28 |
| 34 | Correlation between activity and dynamics of the protein matrix of phosphorylase b. Biochemistry, 1980, 19, 5782-5786. | 2.5 | 27 |
| 35 | Distinct association of transferrin receptor with HLA class I molecules on HUT-102B and JY cells. Immunology Letters, 1995, 44, 203-208. | 2.5 | 27 |
| 36 | Two-dimensional receptor patterns in the plasma membrane of cells. A critical evaluation of their identification, origin and information content. Biophysical Chemistry, 1999, 82, 99-108. | 2.8 | 27 |

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|---|---|---|---|
| 37 | Applications of fluorescence resonance energy transfer for mapping biological membranes. Reviews in Molecular Biotechnology, 2002, 82, 251-266. | 2.8 | 27 |
| 38 | Ligand and voltage gated sodium channels may regulate electrogenic pump activity in human, mouse and rat lymphocytes. Biochemical and Biophysical Research Communications, 1989, 160, 999-1002. | 2.1 | 26 |
| 39 | Mapping of cell surface protein-patterns by combined fluorescence anisotropy and energy transfer measurements. Journal of Photochemistry and Photobiology B: Biology, 1993, 19, 69-73. | 3.8 | 25 |
| 40 | Blockage of Human T Lymphocyte Kv1.3 Channels by Pi1, a Novel Class of Scorpion Toxin. Biochemical and Biophysical Research Communications, 2000, 278, 34-37. | 2.1 | 25 |
| 41 | The role of -SH groups in the enzymic activity of phosphorylase-b. Archives of Biochemistry and Biophysics, 1965, 112, 471-475. | 3.0 | 23 |
| 42 | Membrane topography of HLA I, HLA II, and ICAM-1 is affected by IFN-Î³ in lipid rafts of uveal melanomas. Biochemical and Biophysical Research Communications, 2004, 322, 678-683. | 2.1 | 23 |
| 43 | Immunosuppressors Inhibit Voltage-Gated Potassium Channels in Human Peripheral Blood Lymphocytes. Biochemical and Biophysical Research Communications, 1996, 221, 254-258. | 2.1 | 22 |
| 44 | Effect of glycerol on some kinetic parameters of phosphorylase b. Biochimica Et Biophysica Acta - Biomembranes, 1972, 284, 345-348. | 2.6 | 21 |
| 45 | Accessibility of cell surface thiols in human lymphocytes is altered by ionophores or OKT-3 antibody. Biochemical and Biophysical Research Communications, 1986, 140, 999-1006. | 2.1 | 21 |
| 46 | Major histocompatibility complex class I protein conformation altered by transmembrane potential changes. , 1997, 27, 353-357. | | 21 |
| 47 | Pandinus imperatorScorpion Venom Blocks Voltage-Gated K+Channels in Human Lymphocytes. Biochemical and Biophysical Research Communications, 1998, 242, 621-625. | 2.1 | 21 |
| 48 | Effect of cyclosporin A on the membrane potential and Ca2+ level of human lymphoid cell lines and mouse thymocytes. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1019, 159-165. | 1.0 | 20 |
| 49 | Computer program for analyzing donor photobleaching FRET image series. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 67A, 119-128. | 1.5 | 20 |
| 50 | Transmembrane signalling in T cells. Trends in Immunology, 1992, 13, A12-A15. | 7.5 | 19 |
| 51 | OLIGOMERIZATION OF IL-2RÎ±. Cytokine, 2002, 17, 82-90. | 3.2 | 19 |
| 52 | Nanoparticle energy transfer on the cell surface. Journal of Molecular Recognition, 2005, 18, 236-253. | 2.1 | 19 |
| 53 | Measuring FRET in Flow Cytometry and Microscopy. Current Protocols in Cytometry, 2006, 38, Unit12.8. | 3.7 | 18 |
| 54 | Bretylium causes a K+-Na+ pump activation that is independent of Na+H+ exchange in depolarized rat, mouse and human lymphocytes. Molecular Immunology, 1990, 27, 1307-1311. | 2.2 | 17 |

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|---|---|---|---|
| 55 | Multiple Binding Sites for Melatonin on Kv1.3. Biophysical Journal, 2001, 80, 1280-1297. | 0.5 | 17 |
| 56 | MHC I Expression Regulates Co-clustering and Mobility of Interleukin-2 and -15 Receptors in T Cells. Biophysical Journal, 2016, 111, 100-112. | 0.5 | 15 |
| 57 | Electroimmunology: Membrane Potential, Ion-Channel Activities, and Stimdatory Signal Transduction in Human T Lymphocytes horn Young and Elderly. Annals of the New York Academy of Sciences, 1991, 621, 29-39. | 3.8 | 14 |
| 58 | An Alternative to Conventional Immunosuppression: Small-Molecule Inhibitors of Kv1.3 Channels. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2004, 4, 250-254. | 3.4 | 14 |
| 59 | Dynamic Physical Interactions of Plasma Membrane Molecules Generate Cell Surface Patterns and Regulate Cell Activation Processes. Immunobiology, 1992, 185, 337-349. | 1.9 | 13 |
| 60 | Does mosaicism of the plasma membrane at molecular and higher hierarchical levels in human lymphocytes carry information on the immediate history of cells?. Immunology Letters, 2002, 82, 93-99. | 2.5 | 13 |
| 61 | Detection of receptor trimers on the cell surface by flow cytometric fluorescence energy homotransfer measurements. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1744, 176-198. | 4.1 | 13 |
| 62 | Bretylium-induced voltage-gated sodium current in human lymphocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1137, 143-147. | 4.1 | 12 |
| 63 | Nonâ€Random Distribution of Interleukin Receptors on the Cell Surface. ChemPhysChem, 2009, 10, 1577-1585. | 2.1 | 11 |
| 64 | Voltage gating of Ca2+-activated potassium channels in human lymphocytes. Biochemical and Biophysical Research Communications, 1990, 171, 325-329. | 2.1 | 10 |
| 65 | Distinct Spatial Relationship of the Interleukinâ€9 Receptor with Interleukinâ€2 Receptor and Major Histocompatibility Complex Glycoproteins in Human T Lymphoma Cells. ChemPhysChem, 2014, 15, 3969-3978. | 2.1 | 10 |
| 66 | A sodium channel opener inhibits stimulation of human peripheral blood mononuclear cells. Molecular Immunology, 1992, 29, 517-524. | 2.2 | 8 |
| 67 | Plasma-membrane-Bound mcromoleculas are dynamically aggregated to form non-random codistribution patterns of selected functional elements. Do pattern recognition processes govern antigen presentation and intercellular interactions?. Journal of Molecular Recognition, 1995, 8, 237-246. | 2.1 | 8 |
| 68 | Membrane Potential Distinctly Modulates Mobility and Signaling of IL-2 and IL-15 Receptors in T Cells. Biophysical Journal, 2018, 114, 2473-2482. | 0.5 | 8 |
| 69 | Effect of Acetylcholine on the Electrophysiology and Proliferative Response of Human Lymphocytes. Biochemical and Biophysical Research Communications, 1996, 226, 303-308. | 2.1 | 7 |
| 70 | Changes in membrane potential of target cells promotes cytotoxic activity of effector T lymphocytes. Immunology Letters, 1996, 51, 175-180. | 2.5 | 7 |
| 71 | Signal transduction in T lymphocytes and aging. Experimental Gerontology, 2003, 38, 231-236. | 2.8 | 7 |
| 72 | Principles of Resonance Energy Transfer. Current Protocols in Cytometry, 2006, 38, Unit1.12. | 3.7 | 7 |

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|---|---|---|---|
| 73 | ICAM-1 inhibits the homocluster formation of MHC-I in colon carcinoma cells. Biochemical and Biophysical Research Communications, 2006, 347, 758-763. | 2.1 | 7 |
| 74 | The role of supramolecular protein complexes and membrane potential in transmembrane signaling processes of lymphocytes. Immunology Letters, 2006, 104, 53-58. | 2.5 | 7 |
| 75 | The Response of Human Lymphocytes to Phytohemagglutinin Is Impaired at Different Levels during Aging. Annals of the New York Academy of Sciences, 1992, 673, 110-119. | 3.8 | 6 |
| 76 | Organization of the glycoprotein (GP) IIb/IIIa heterodimer on resting human platelets studied by flow cytometric energy transfer. Journal of Photochemistry and Photobiology B: Biology, 2001, 65, 47-58. | 3.8 | 6 |
| 77 | Detection of channel proximity by nanoparticle-assisted delaying of toxin binding; a combined patch-clamp and flow cytometric energy transfer study. European Biophysics Journal, 2005, 34, 127-143. | 2.2 | 5 |
| 78 | Fluorescent staphylococci as microbeads. Cytometry, 1989, 10, 801-802. | 1.8 | 4 |
| 79 | Ion Channel Activity and Transmembrane Signaling in Lymphocytes. Annals of the New York Academy of Sciences, 1992, 650, 205-210. | 3.8 | 4 |
| 80 | Dissecting interacting molecular populations by FRET. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 681-684. | 1.5 | 4 |
| 81 | Measurement of Molecular Mobility with Fluorescence Correlation Spectroscopy. Current Protocols in Cytometry, 2009, 50, Unit2.15. | 3.7 | 4 |
| 82 | Protein dynamics and function. Journal of Molecular Catalysis, 1988, 47, 155-163. | 1.2 | 3 |
| 83 | Application of fluorescence resonance energy transfer in the clinical laboratory: Routine and research. Cytometry, 1998, 34, 159-179. | 1.8 | 3 |
| 84 | Principles of Resonance Energy Transfer. Current Protocols in Cytometry, 1999, 9, 1.12.1. | 3.7 | 2 |
| 85 | Transmembrane Signals Mediated by IL-2 and IL-15 Control the Life and Death of Lymphocytes. , 2005, , 97-121. | | 2 |
| 86 | Non-Random Patterns of Membrane Proteins and Their Roles in Transmembrane Signaling. , 2005, , 71-95. | | 2 |
| 87 | Protein dynamics and fluorescence quenching. Journal of Molecular Catalysis, 1988, 47, 165-177. | 1.2 | 1 |
| 88 | Parameters to monitor aging with a possible perspective for intervention â€" an immunological approach. Archives of Gerontology and Geriatrics, 1991, 12, 231-238. | 3.0 | 1 |
| 89 | Flow Cytometric Membrane Potential Measurements. , 1998, , 348-357. | | 1 |
| 90 | Exploring Membrane Microdomains and Functional Protein Clustering in Live Cells with Flow and Image Cytometric Methods. , 2004, , 99-120. | | 1 |

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|---|---|---|---|
| 91 | Mobility of HLA Class I antigen influenced by anti-CD-4 monoclonal antibody in lymphocyte membranes: a flow cytometric energy transfer, fluorescence photobleaching recovery, and rotational relaxation study. , 1990, , . | | 0 |
| 92 | Dynamic Behavior of Cell Surface Receptors as Revealed by Laser Excited Fluorescence Spectroscopy. , 1991, , 383-391. | | 0 |
| 93 | Significance of Ion Channels and Membrane Potential Changes in Cells. , 1998, , 43-51. | | 0 |