# Fernando Arenzana-Seisdedos

List of Publications by Year
in descending order

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| 83 | 17,848 | 31976 53 | 53230 85 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 87 | 87 | 87 | 19097 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanisms of HIV-1 evasion to the antiviral activity of chemokine CXCL12 indicate potential links with pathogenesis. PLoS Pathogens, 2021, 17, e1009526. | 4.7 | 10 |
| 2 | The CXCL12gamma chemokine immobilized by heparan sulfate on stromal niche cells controls adhesion and mediates drug resistance in multiple myeloma. Journal of Hematology and Oncology, 2021, 14, 11. | 17.0 | 15 |
| 3 | Is aberrant CD8+ T cell activation by hypertension associated with cardiac injury in severe cases of COVID-19?. Cellular and Molecular Immunology, 2020, 17, 675-676. | 10.5 | 9 |
| 4 | Defective angiogenesis in CXCL12 mutant mice impairs skeletal muscle regeneration. Skeletal Muscle, 2019, 9, 25. | 4.2 | 14 |
| 5 | CCR5 structural plasticity shapes HIV-1 phenotypic properties. PLoS Pathogens, 2018, 14, e1007432. | 4.7 | 27 |
| 6 | CCR5 adopts three homodimeric conformations that control cell surface delivery. Science Signaling, 2018, 11, . | 3.6 | 39 |
| 7 | Essential role of immobilized chemokine CXCL12 in the regulation of the humoral immune response. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2319-2324. | 7.1 | 33 |
| 8 | Vaccine and Wild-Type Strains of Yellow Fever Virus Engage Distinct Entry Mechanisms and Differentially Stimulate Antiviral Immune Responses. MBio, 2016, 7, e01956-15. | 4.1 | 50 |
| 9 | Guidelines for cloning, expression, purification and functional characterization of primary HIV-1 envelope glycoproteins. Journal of Virological Methods, 2016, 236, 184-195. | 2.1 | 6 |
| 10 | Heparan sulfate differentially controls CXCL12Î±- and CXCL12Î³-mediated cell migration through differential presentation to their receptor CXCR4. Science Signaling, 2016, 9, ra107. | 3.6 | 29 |
| 11 | The sweet spot: how GAGs help chemokines guide migrating cells. Journal of Leukocyte Biology, 2016, 99, 935-953. | 3.3 | 104 |
| 12 | A single-residue change in the HIV-1 V3 loop associated with maraviroc resistance impairs CCR5 binding affinity while increasing replicative capacity. Retrovirology, 2015, 12, 50. | 2.0 | 27 |
| 13 | SDF-1/CXCL12: A Chemokine in the Life Cycle of HIV. Frontiers in Immunology, 2015, 6, 256. | 4.8 | 31 |
| 14 | Targeting Spare CC Chemokine Receptor 5 (CCR5) as a Principle to Inhibit HIV-1 Entry. Journal of Biological Chemistry, 2014, 289, 19042-19052. | 3.4 | 34 |
| 15 | The approved pediatric drug suramin identified as a clinical candidate for the treatment of EV71 infectionâ€"suramin inhibits EV71 infection in vitro and in vivo. Emerging Microbes and Infections, 2014, 3, 1-9. | 6.5 | 47 |
| 16 | HIV-1 exploits CCR5 conformational heterogeneity to escape inhibition by chemokines. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9475-9480. | 7.1 | 61 |
| 17 | Homeostatic and Tissue Reparation Defaults in Mice Carrying Selective Genetic Invalidation of CXCL12/Proteoglycan Interactions. Circulation, 2012, 126, 1882-1895. | 1.6 | 55 |
| 18 | Complementary methods provide evidence for the expression of <scp>CXCR</scp>7 on human <scp>B</scp> cells. Proteomics, 2012, 12, 1938-1948. | 2.2 | 33 |

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|---|---|---|---|
| 19 | CXCL12Î³ isoform is expressed on endothelial and dendritic cells in rheumatoid arthritis synovium and regulates T cell activation. Arthritis and Rheumatism, 2012, 64, 409-417. | 6.7 | 16 |
| 20 | CXCL12 expression by healthy and malignant ovarian epithelial cells. BMC Cancer, 2011, 11, 97. | 2.6 | 19 |
| 21 | Allosteric Model of Maraviroc Binding to CC Chemokine Receptor 5 (CCR5). Journal of Biological Chemistry, 2011, 286, 33409-33421. | 3.4 | 101 |
| 22 | New Insights into the Mechanisms whereby Low Molecular Weight CCR5 Ligands Inhibit HIV-1 Infection. Journal of Biological Chemistry, 2011, 286, 4978-4990. | 3.4 | 73 |
| 23 | Appraising the Roles of CBLL1 and the Ubiquitin/Proteasome System for Flavivirus Entry and Replication. Journal of Virology, 2011, 85, 2980-2989. | 3.4 | 67 |
| 24 | ISG15 Is Critical in the Control of Chikungunya Virus Infection Independent of UbE1L Mediated Conjugation. PLoS Pathogens, 2011, 7, e1002322. | 4.7 | 165 |
| 25 | Idiopathic CD4+ T-cell lymphocytopenia is associated with impaired membrane expression of the chemokine receptor CXCR4. Blood, 2010, 115, 3708-3717. | 1.4 | 47 |
| 26 | SDF-1/CXCL12 Production by Mature Dendritic Cells Inhibits the Propagation of X4-Tropic HIV-1 Isolates at the Dendritic Cell-T-Cell Infectious Synapse. Journal of Virology, 2010, 84, 4341-4351. | 3.4 | 25 |
| 27 | Type I IFN controls chikungunya virus via its action on nonhematopoietic cells. Journal of Experimental Medicine, 2010, 207, 429-442. | 8.5 | 262 |
| 28 | A Pivotal Role for CXCL12 Signaling in HPV-Mediated Transformation of Keratinocytes: Clues toÂUnderstanding HPV-Pathogenesis in WHIM Syndrome. Cell Host and Microbe, 2010, 8, 523-533. | 11.0 | 64 |
| 29 | Developmental Expression Profile of the CXCL12Î³ Isoform: Insights Into its Tissueâ€Specific Role. Anatomical Record, 2009, 292, 891-901. | 1.4 | 4 |
| 30 | Relationships between glycosaminoglycan and receptor binding sites in chemokinesâ€"the CXCL12 example. Carbohydrate Research, 2008, 343, 2018-2023. | 2.3 | 64 |
| 31 | An Ectromelia Virus Protein That Interacts with Chemokines through Their Glycosaminoglycan Binding Domain. Journal of Virology, 2008, 82, 917-926. | 3.4 | 50 |
| 32 | Small Neutralizing Molecules to Inhibit Actions of the Chemokine CXCL12. Journal of Biological Chemistry, 2008, 283, 23189-23199. | 3.4 | 85 |
| 33 | Multidisciplinary Prospective Study of Mother-to-Child Chikungunya Virus Infections on the Island of La RÃ©union. PLoS Medicine, 2008, 5, e60. | 8.4 | 389 |
| 34 | A Mouse Model for Chikungunya: Young Age and Inefficient Type-I Interferon Signaling Are Risk Factors for Severe Disease. PLoS Pathogens, 2008, 4, e29. | 4.7 | 506 |
| 35 | CXCR4 dimerization and Î²-arrestinâ€"mediated signaling account for the enhanced chemotaxis to CXCL12 in WHIM syndrome. Blood, 2008, 112, 34-44. | 1.4 | 147 |
| 36 | The CXCL12Î³ Chemokine Displays Unprecedented Structural and Functional Properties that Make It a Paradigm of Chemoattractant Proteins. PLoS ONE, 2008, 3, e2543. | 2.5 | 72 |

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| 37 | Leukocyte analysis from WHIM syndrome patients reveals a pivotal role for GRK3 in CXCR4 signaling. Journal of Clinical Investigation, 2008, 118, 1074-84. | 8.2 | 111 |
| 38 | Characterization of Reemerging Chikungunya Virus. PLoS Pathogens, 2007, 3, e89. | 4.7 | 401 |
| 39 | Rapid hematopoietic progenitor mobilization by sulfated colominic acid. Biochemical and Biophysical Research Communications, 2007, 355, 970-975. | 2.1 | 7 |
| 40 | The Novel CXCL12Î³ Isoform Encodes an Unstructured Cationic Domain Which Regulates Bioactivity and Interaction with Both Glycosaminoglycans and CXCR4. PLoS ONE, 2007, 2, e1110. | 2.5 | 95 |
| 41 | CXCL12 is displayed by rheumatoid endothelial cells through its basic amino-terminal motif on heparan sulfate proteoglycans. Arthritis Research and Therapy, 2006, 8, R43. | 3.5 | 50 |
| 42 | Genetics of resistance to HIV infection: Role of co-receptors and co-receptor ligands. Seminars in Immunology, 2006, 18, 387-403. | 5.6 | 101 |
| 43 | Involvement of the CXCL12/CXCR4 Pathway in the Recovery of Skin Following Burns. Journal of Investigative Dermatology, 2006, 126, 468-476. | 0.7 | 120 |
| 44 | Infection of Dendritic Cells (DCs), Not DC-SIGN-Mediated Internalization of Human Immunodeficiency Virus, Is Required for Long-Term Transfer of Virus to T Cells. Journal of Virology, 2006, 80, 2949-2957. | 3.4 | 128 |
| 45 | CD4 and CCR5 Constitutively Interact at the Plasma Membrane of Living Cells. Journal of Biological Chemistry, 2006, 281, 37921-37929. | 3.4 | 33 |
| 46 | WHIM syndromes with different genetic anomalies are accounted for by impaired CXCR4 desensitization to CXCL12. Blood, 2005, 105, 2449-2457. | 1.4 | 268 |
| 47 | Dendritic Cell-specific Intercellular Adhesion Molecule 3-grabbing Non-integrin (DC-SIGN)-mediated Enhancement of Dengue Virus Infection Is Independent of DC-SIGN Internalization Signals. Journal of Biological Chemistry, 2005, 280, 23698-23708. | 3.4 | 203 |
| 48 | The Chemokine SDF-1/CXCL12 Binds to and Signals through the Orphan Receptor RDC1 in T Lymphocytes. Journal of Biological Chemistry, 2005, 280, 35760-35766. | 3.4 | 895 |
| 49 | Functional Characterization of SDF-1 Proximal Promoter. Journal of Molecular Biology, 2005, 348, 43-62. | 4.2 | 72 |
| 50 | Stromal Fibroblasts Present in Invasive Human Breast Carcinomas Promote Tumor Growth and Angiogenesis through Elevated SDF-1/CXCL12 Secretion. Cell, 2005, 121, 335-348. | 28.9 | 3,273 |
| 51 | Elastase Release by Transmigrating Neutrophils Deactivates Endothelial-bound SDF-1Î± and Attenuates Subsequent T Lymphocyte Transendothelial Migration. Journal of Experimental Medicine, 2004, 200, 713-724. | 8.5 | 68 |
| 52 | C-type Lectins L-SIGN and DC-SIGN Capture and Transmit Infectious Hepatitis C Virus Pseudotype Particles. Journal of Biological Chemistry, 2004, 279, 32035-32045. | 3.4 | 166 |
| 53 | CXCR4-Tropic HIV-1 Envelope Glycoprotein Functions as a Viral Chemokine in Unstimulated Primary CD4+ T Lymphocytes. Journal of Immunology, 2004, 173, 7150-7160. | 0.8 | 80 |
| 54 | Role of the Î±â€chemokine stromal cellâ€derived factor (SDFâ€1) in the developing and mature central nervous system. Glia, 2003, 42, 139-148. | 4.9 | 272 |

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| 55 | Dendriticâ€cellâ€specific ICAM3â€grabbing nonâ€integrin is essential for the productive infection of human dendritic cells by mosquitoâ€cellâ€derived dengue viruses. EMBO Reports, 2003, 4, 723-728. | 4.5 | 436 |
| 56 | DC-SIGN and L-SIGN Are High Affinity Binding Receptors for Hepatitis C Virus Glycoprotein E2. Journal of Biological Chemistry, 2003, 278, 20358-20366. | 3.4 | 319 |
| 57 | G Protein-Dependent CCR5 Signaling Is Not Required for Efficient Infection of Primary T Lymphocytes and Macrophages by R5 Human Immunodeficiency Virus Type 1 Isolates. Journal of Virology, 2003, 77, 2550-2558. | 3.4 | 61 |
| 58 | HIV-1 Entry into T-cells Is Not Dependent on CD4 and CCR5 Localization to Sphingolipid-enriched, Detergent-resistant, Raft Membrane Domains. Journal of Biological Chemistry, 2003, 278, 3153-3161. | 3.4 | 95 |
| 59 | HGF, SDF-1, and MMP-9 are involved in stress-induced human CD34+ stem cell recruitment to the liver. Journal of Clinical Investigation, 2003, 112, 160-169. | 8.2 | 526 |
| 60 | Leukocyte Elastase Negatively Regulates Stromal Cell-derived Factor-1 (SDF-1)/CXCR4 Binding and Functions by Amino-terminal Processing of SDF-1 and CXCR4. Journal of Biological Chemistry, 2002, 277, 15677-15689. | 3.4 | 189 |
| 61 | Human Cytomegalovirus Binding to DC-SIGN Is Required for Dendritic Cell Infection and Target Cell trans-Infection. Immunity, 2002, 17, 653-664. | 14.3 | 329 |
| 62 | G-CSF induces stem cell mobilization by decreasing bone marrow SDF-1 and up-regulating CXCR4. Nature Immunology, 2002, 3, 687-694. | 14.5 | 1,215 |
| 63 | Low levels of co-receptor CCR5 are sufficient to permit HIV envelope-mediated fusion with resting CD4 T cells. Aids, 2002, 16, 2337-2340. | 2.2 | 18 |
| 64 | Optimal Inhibition of X4 HIV Isolates by the CXC Chemokine Stromal Cell-derived Factor 1Î± Requires Interaction with Cell Surface Heparan Sulfate Proteoglycans. Journal of Biological Chemistry, 2001, 276, 26550-26558. | 3.4 | 65 |
| 65 | Palmitoylation-dependent Control of Degradation, Life Span, and Membrane Expression of the CCR5 Receptor. Journal of Biological Chemistry, 2001, 276, 31936-31944. | 3.4 | 126 |
| 66 | Differential signalling of the chemokine receptor CXCR4 by stromal cellâ€derived factor 1 and the HIV glycoprotein in rat neurons and astrocytes. European Journal of Neuroscience, 2000, 12, 117-125. | 2.6 | 146 |
| 67 | Persistent Induction of the Chemokine Receptor CXCR4 by TGF-Î²1 on Synovial T Cells Contributes to Their Accumulation Within the Rheumatoid Synovium. Journal of Immunology, 2000, 165, 3423-3429. | 0.8 | 308 |
| 68 | Inducible NF-ÎºB Activation Is Permitted by Simultaneous Degradation of Nuclear IÎºBÎ±. Journal of Biological Chemistry, 2000, 275, 15193-15199. | 3.4 | 54 |
| 69 | Induction of the chemokine stromal-derived factor-1 following DNA damage improves human stem cell function. Journal of Clinical Investigation, 2000, 106, 1331-1339. | 8.2 | 516 |
| 70 | Stromal Cell-derived Factor-1Î± Associates with Heparan Sulfates through the First Î²-Strand of the Chemokine. Journal of Biological Chemistry, 1999, 274, 23916-23925. | 3.4 | 296 |
| 71 | Inducible Degradation of IÎºBÎ± by the Proteasome Requires Interaction with the F-box Protein h-Î²TrCP. Journal of Biological Chemistry, 1999, 274, 7941-7945. | 3.4 | 120 |
| 72 | The secondary fungal metabolite gliotoxin targets proteolytic activities of the proteasome. Chemistry and Biology, 1999, 6, 689-698. | 6.0 | 133 |

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| 73 | Stromal-Cell Derived Factor Is Expressed by Dendritic Cells and Endothelium in Human Skin. American Journal of Pathology, 1999, 155, 1577-1586. | 3.8 | 224 |
| 74 | Opposite Effects of SDF-1 on Human Immunodeficiency Virus Type 1 Replication. Journal of Virology, 1999, 73, 3608-3615. | 3.4 | 51 |
| 75 | Activation of blood T lymphocytes down-regulates CXCR4 expression and interferes with propagation of X4 HIV strains. European Journal of Immunology, 1998, 28, 3192-3204. | 2.9 | 71 |
| 76 | HIV-1-resistance phenotype conferred by combination of two separate inherited mutations of CCR5 gene. Lancet, The, 1998, 351, 14-18. | 13.7 | 266 |
| 77 | Chemokine Sequestration by Viral Chemoreceptors as a Novel Viral Escape Strategy: Withdrawal of Chemokines from the Environment of Cytomegalovirus-infected Cells. Journal of Experimental Medicine, 1998, 188, 855-866. | 8.5 | 286 |
| 78 | Antiviral Activity of the Proteasome on Incoming Human Immunodeficiency Virus Type 1. Journal of Virology, 1998, 72, 3845-3850. | 3.4 | 140 |
| 79 | HIV Coreceptor Downregulation as Antiviral Principle: SDF-1Î±â€“dependent Internalization of the Chemokine Receptor CXCR4 Contributes to Inhibition of HIV Replication. Journal of Experimental Medicine, 1997, 186, 139-146. | 8.5 | 557 |
| 80 | The carboxy-terminus of IÎºBÎ± determines susceptibility to degradation by the catalytic core of the proteasome. Oncogene, 1997, 15, 1841-1850. | 5.9 | 35 |
| 81 | The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1. Nature, 1996, 382, 833-835. | 27.8 | 1,662 |
| 82 | HIV blocked by chemokine antagonist. Nature, 1996, 383, 400-400. | 27.8 | 273 |
| 83 | Role of I BÎ± Ubiquitination in Signal-induced Activation of NF- B in Vivo. Journal of Biological Chemistry, 1996, 271, 7844-7850. | 3.4 | 206 |