# Silvia Biocca

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/401260/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 76 papers | 2,853 citations | 182225 30 h-index | 198040 52 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 3034 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Intestinal Taxa Abundance and Diversity in Inflammatory Bowel Disease Patients: An Analysis including Covariates and Confounders. Nutrients, 2022, 14, 260. | 1.7 | 21 |
| 2 | Combined and selective miR-21 silencing and doxorubicin delivery in cancer cells using tailored DNA nanostructures. Cell Death and Disease, 2021, 12, 7. | 2.7 | 22 |
| 3 | Gut microbiota dysbiosis in Parkinson's disease patients: Early feature and biomarker of disease progression?. Journal of the Neurological Sciences, 2021, 429, 119515. | 0.3 | 0 |
| 4 | AS1411 Aptamer Linked to DNA Nanostructures Diverts Its Traffic Inside Cancer Cells and Improves Its Therapeutic Efficacy. Pharmaceutics, 2021, 13, 1671. | 2.0 | 21 |
| 5 | In Silico and In Cell Analysis of Openable DNA Nanocages for miRNA Silencing. International Journal of Molecular Sciences, 2020, 21, 61. | 1.8 | 9 |
| 6 | A life with atopic dermatitis: the patient's point of view after a new hope with dupilumab. Clinical and Experimental Dermatology, 2020, 45, 809-810. | 0.6 | 0 |
| 7 | Can Gut Microbiota Be a Good Predictor for Parkinsonâ€™s Disease? A Machine Learning Approach. Brain Sciences, 2020, 10, 242. | 1.1 | 22 |
| 8 | Dysbiosis of gut microbiota in a selected population of Parkinson's patients. Parkinsonism and Related Disorders, 2019, 65, 124-130. | 1.1 | 144 |
| 9 | Cellular uptake of covalent and non-covalent DNA nanostructures with different sizes and geometries. Nanoscale, 2019, 11, 10808-10818. | 2.8 | 42 |
| 10 | Effect of Low-Protein Diet and Inulin on Microbiota and Clinical Parameters in Patients with Chronic Kidney Disease. Nutrients, 2019, 11, 3006. | 1.7 | 40 |
| 11 | Selective targeting and degradation of doxorubicin-loaded folate-functionalized DNA nanocages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1181-1190. | 1.7 | 59 |
| 12 | Membrane cholesterol depletion in cortical neurons highlights altered NMDA receptor functionality in a mouse model of amyotrophic lateral sclerosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 509-519. | 1.8 | 13 |
| 13 | Entry, fate and degradation of DNA nanocages in mammalian cells: a matter of receptors. Nanoscale, 2018, 10, 12078-12086. | 2.8 | 30 |
| 14 | Cholesterol level regulates lectin-like oxidized low-density lipoprotein receptor-1 function. Biomedical Spectroscopy and Imaging, 2016, 5, S87-S99. | 1.2 | 5 |
| 15 | The lectin-like oxidized LDL receptor-1: a new potential molecular target in colorectal cancer. Oncotarget, 2016, 7, 14765-14780. | 0.8 | 45 |
| 16 | Receptor-Mediated Entry of Pristine Octahedral DNA Nanocages in Mammalian Cells. ACS Nano, 2016, 10, 5971-5979. | 7.3 | 76 |
| 17 | DNA hairpins promote temperature controlled cargo encapsulation in a truncated octahedral nanocage structure family. Nanoscale, 2016, 8, 13333-13341. | 2.8 | 28 |
| 18 | Molecular mechanism of statin-mediated LOX-1 inhibition. Cell Cycle, 2015, 14, 1583-1595. | 1.3 | 36 |

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|---|---|---|---|
| 19 | The Potential of Nucleic Acid-Based Nanoparticles for Biomedical Application. Nano LIFE, 2015, 05, 1541004. | 0.6 | 5 |
| 20 | Intrabody-mediated diverting of HP1Î² to the cytoplasm induces co-aggregation of H3â€“H4 histones and lamin-B receptor. Experimental Cell Research, 2015, 338, 70-81. | 1.2 | 6 |
| 21 | Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. PLoS ONE, 2015, 10, e0141270. | 1.1 | 22 |
| 22 | Therapeutic Application of Intrabodies Against Age-Related Neurodegenerative Disorders. Current Pharmaceutical Design, 2014, 20, 6028-6036. | 0.9 | 8 |
| 23 | Design of a novel LOX-1 receptor antagonist mimicking the natural substrate. Biochemical and Biophysical Research Communications, 2013, 438, 340-345. | 1.0 | 29 |
| 24 | Simulative and experimental investigation on the cleavage site that generates the soluble human LOX-1. Archives of Biochemistry and Biophysics, 2013, 540, 9-18. | 1.4 | 17 |
| 25 | Gene-Based Antibody Strategies for Prion Diseases. International Journal of Cell Biology, 2013, 2013, 1-6. | 1.0 | 11 |
| 26 | Cholesterol-Lowering Drugs Inhibit Lectin-Like Oxidized Low-Density Lipoprotein-1 Receptor Function by Membrane Raft Disruption. Molecular Pharmacology, 2012, 82, 246-254. | 1.0 | 65 |
| 27 | Altered Intracellular Distribution of PrPC and Impairment of Proteasome Activity in Tau Overexpressing Cortical Neurons. Journal of Alzheimer's Disease, 2011, 27, 603-613. | 1.2 | 10 |
| 28 | Intrabody Expression in Mammalian Cells. Cell Engineering, 2011, , 179-195. | 0.4 | 1 |
| 29 | LOX-1 as a natural IFN-Î±â€“mediated signal for apoptotic cell uptake and antigen presentation in dendritic cells. Blood, 2010, 115, 1554-1563. | 0.6 | 70 |
| 30 | Expressing Intrabodies in Mammalian Cells. , 2010, , 161-172. | | 2 |
| 31 | Functional Analysis and Molecular Dynamics Simulation of LOX-1 K167N Polymorphism Reveal Alteration of Receptor Activity. PLoS ONE, 2009, 4, e4648. | 1.1 | 53 |
| 32 | Can intrabodies targeted to the secretory compartment interact with a cytosolic protein? A comment on the article by Sawahata et al. â€œCytoplasmic expression and specific binding of the VH/VL single domain intrabodies in transfected NIH3T3 cellsâ€, Exp. Mol. Pathol. 2008 Nov 27; Epub ahead of print. Experimental and Molecular Pathology, 2009, 86, 138. | 0.9 | 1 |
| 33 | The potential of intracellular antibodies for therapeutic targeting of protein-misfolding diseases. Trends in Molecular Medicine, 2008, 14, 373-380. | 3.5 | 53 |
| 34 | The splice variant LOXIN inhibits LOX-1 receptor function through hetero-oligomerization. Journal of Molecular and Cellular Cardiology, 2008, 44, 561-570. | 0.9 | 66 |
| 35 | Combating Protein Misfolding and Aggregation by Intracellular Antibodies. Current Molecular Medicine, 2008, 8, 2-11. | 0.6 | 12 |
| 36 | Molecular dynamics simulation of human LOX-1 provides an explanation for the lack of OxLDL binding to the Trp150Ala mutant. BMC Structural Biology, 2007, 7, 73. | 2.3 | 25 |

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|---|---|---|---|
| 37 | Selective re-routing of prion protein to proteasomes and alteration of its vesicular secretion prevent PrPScformation. Journal of Neurochemistry, 2007, 101, 1516-1526. | 2.1 | 28 |
| 38 | Alterations of nuclear envelope and chromatin organization in mandibuloacral dysplasia, a rare form of laminopathy. Physiological Genomics, 2005, 23, 150-158. | 1.0 | 112 |
| 39 | In Vivo and In Vitro Studies Support That a New Splicing Isoform of OLR1 Gene Is Protective Against Acute Myocardial Infarction. Circulation Research, 2005, 97, 152-158. | 2.0 | 116 |
| 40 | KDEL-tagged anti-prion intrabodies impair PrP lysosomal degradation and inhibit scrapie infectivity. Biochemical and Biophysical Research Communications, 2005, 338, 1791-1797. | 1.0 | 44 |
| 41 | Trapping Prion Protein in the Endoplasmic Reticulum Impairs PrPC Maturation and Prevents PrPSc Accumulation. Journal of Biological Chemistry, 2005, 280, 685-694. | 1.6 | 72 |
| 42 | Intracellular targeting and functional analysis of single-chain Fv fragments in mammalian cells. Methods, 2004, 34, 171-178. | 1.9 | 32 |
| 43 | Evidence for proteasome dysfunction in cytotoxicity mediated by anti-Ras intracellular antibodies. FEBS Journal, 2003, 270, 3389-3397. | 0.2 | 15 |
| 44 | Re: Blocking Oncogenic Ras Signaling for Cancer Therapy. Journal of the National Cancer Institute, 2002, 94, 1031-1032. | 3.0 | 11 |
| 45 | Loss of Heterochromatin Protein 1 (HP1) chromodomain function in mammalian cells by intracellular antibodies causes cell death. Journal of Cell Science, 2002, 115, 1803-1813. | 1.2 | 28 |
| 46 | Loss of heterochromatin protein 1 (HP1) chromodomain function in mammalian cells by intracellular antibodies causes cell death. Journal of Cell Science, 2002, 115, 1803-13. | 1.2 | 18 |
| 47 | Aggresome formation by anti-Ras intracellular scFv fragments. FEBS Journal, 2001, 268, 268-277. | 0.2 | 39 |
| 48 | Expressing Intracellular Single-Chain Fv Fragments in Mammalian Cells. , 2001, , 755-774. | | 0 |
| 49 | Diverting a protein from its cellular location by intracellular antibodies. FEBS Journal, 2000, 267, 1196-1205. | 0.2 | 62 |
| 50 | The selection of intracellular antibodies. Trends in Biotechnology, 1999, 17, 115-121. | 4.9 | 140 |
| 51 | The mode of action of Y13-259 scFv fragment intracellularly expressed in mammalian cells. FEBS Letters, 1998, 439, 197-202. | 1.3 | 36 |
| 52 | Assembled IgG Molecules Are Exported from the Endoplasmic Reticulum in Myeloma Cells Despite the Retention Signal Sekdel. Biochemical and Biophysical Research Communications, 1998, 246, 518-523. | 1.0 | 0 |
| 53 | Current Methods for Genotypic and Phenotypic Knock-Outs in Mammalian Cells. , 1997, , 9-14. | | 0 |
| 54 | Intracellular Immunization. , 1997, , 105-124. | | 0 |

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|---|---|---|---|
| 55 | Protein Sequence Motifs Involved in Intracellular Trafficking. , 1997, , 59-83. | | 0 |
| 56 | From Phage Libraries to Intracellular Immunization. , 1997, , 173-186. | | 1 |
| 57 | Perspectives and Conclusions. , 1997, , 187-189. | | 0 |
| 58 | Assembly and Folding of Antibodies in Natural and Artificial Environments. , 1997, , 41-57. | | 0 |
| 59 | Intracellular and Intercellular Immunization. , 1997, , 1-7. | | 1 |
| 60 | Human recombinant antibody fragments neutralizing human immunodeficiency virus type 1 reverse transcriptase provide an experimental basis for the structural classification of the DNA polymerase family. Journal of Virology, 1996, 70, 7706-7712. | 1.5 | 23 |
| 61 | Intracellular immunization: antibody targeting to subcellular compartments. Trends in Cell Biology, 1995, 5, 248-252. | 3.6 | 108 |
| 62 | Redox State of Single Chain Fv Fragments Targeted to the Endoplasmic Reticulum, Cytosol and Mitochondria. Bio/technology, 1995, 13, 1110-1115. | 1.9 | 170 |
| 63 | The S-100: A protein family in search of a function. Progress in Neurobiology, 1995, 46, 71-82. | 2.8 | 205 |
| 64 | Intracellular Immunization with Cytosolic Recombinant Antibodies. Bio/technology, 1994, 12, 396-399. | 1.9 | 94 |
| 65 | Intracellular Expression of Anti-p21ras Single Chain Fv Fragments Inhibits Meiotic Maturation of Xenopus Oocytes. Biochemical and Biophysical Research Communications, 1993, 197, 422-427. | 1.0 | 74 |
| 66 | ?Phytoantibodies?: a general vector for the expression of immunoglobulin domains in transgenic plants. Plant Molecular Biology, 1991, 17, 865-874. | 2.0 | 91 |
| 67 | Neuroantibodies: molecular cloning of a monoclonal antibody against substance P for expression in the central nervous system.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5611-5615. | 3.3 | 31 |
| 68 | Intracellular immunization. FEBS Letters, 1990, 274, 193-198. | 1.3 | 46 |
| 69 | Synthesis and content of a DNA-binding protein with lactic dehydrogenase activity are reduced by nerve growth factor in the neoplastic cell line PC12. Experimental Cell Research, 1985, 161, 117-129. | 1.2 | 28 |
| 70 | Nuclear localization of a lactic dehydrogenase with single-stranded DNA-binding properties. Experimental Cell Research, 1985, 161, 130-140. | 1.2 | 48 |
| 71 | The nerve growth factor *1Established findings and controversial aspects. Experimental Cell Research, 1984, 154, 1-9. | 1.2 | 47 |
| 72 | Nerve growth factor inhibits the synthesis of a single-stranded DNA binding protein in pheochromocytoma cells (clone PC12).. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 2080-2084. | 3.3 | 10 |

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|---|---|---|---|
| 73 | Hidden receptors for nerve growth factor in PC12 cells. FEBS Journal, 1983, 135, 285-290. | 0.2 | 21 |
| 74 | Morphological and ultrastructural changes in PC12 pheochromocytoma cells induced by a combined treatment with NGF and taxol. Experimental Cell Research, 1982, 142, 385-395. | 1.2 | 14 |
| 75 | Cell Density Modulates Receptor-Mediated Internalization of Nerve Growth Factor in Pheochromocytoma Cells. Journal of Receptors and Signal Transduction, 1980, 1, 373-387. | 1.2 | 6 |
| 76 | Preparation of highly 3H-labeled S-100 protein under nondenaturing conditions. Analytical Biochemistry, 1978, 87, 334-342. | 1.1 | 13 |