

Luca Varani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2856202/publications.pdf>

Version: 2024-02-01

53
papers

5,387
citations

159585

30
h-index

182427

51
g-index

62
all docs

62
docs citations

62
times ranked

10184
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules. <i>Nature Immunology</i> , 2022, 23, 275-286.	14.5	95
2	Immunity to SARS-CoV-2 up to 15 months after infection. <i>Science</i> , 2022, 25, 103743.	4.1	56
3	Heterologous immunization with inactivated vaccine followed by mRNA-booster elicits strong immunity against SARS-CoV-2 Omicron variant. <i>Nature Communications</i> , 2022, 13, 2670.	12.8	108
4	Reply to: Hultström et al., Genetic determinants of mannose-binding lectin activity predispose to thromboembolic complications in critical COVID-19. Mannose-binding lectin genetics in COVID-19. <i>Nature Immunology</i> , 2022, 23, 865-867.	14.5	4
5	Effects of Antibody Responses to Pre-Existing Coronaviruses on Disease Severity and Complement Activation in COVID-19 Patients. <i>Microorganisms</i> , 2022, 10, 1191.	3.6	6
6	SARS-CoV-2 neutralizing human recombinant antibodies selected from pre-pandemic healthy donors binding at RBD-ACE2 interface. <i>Nature Communications</i> , 2021, 12, 1577.	12.8	73
7	Bispecific IgG neutralizes SARS-CoV-2 variants and prevents escape in mice. <i>Nature</i> , 2021, 593, 424-428.	27.8	108
8	Machine learning analyses of antibody somatic mutations predict immunoglobulin light chain toxicity. <i>Nature Communications</i> , 2021, 12, 3532.	12.8	23
9	Systematic Development of Peptide Inhibitors Targeting the CXCL12/HMGB1 Interaction. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13439-13450.	6.4	8
10	Rational engineering of the lcc ² <i>T. versicolor</i> laccase for the mediator-less oxidation of large polycyclic aromatic hydrocarbons. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2213-2222.	4.1	16
11	Ligands binding to the prion protein induce its proteolytic release with therapeutic potential in neurodegenerative proteinopathies. <i>Science Advances</i> , 2021, 7, eabj1826.	10.3	18
12	Ligand-Receptor Interactions of Galectin-9 and VISTA Suppress Human T Lymphocyte Cytotoxic Activity. <i>Frontiers in Immunology</i> , 2020, 11, 580557.	4.8	50
13	The Tim-3-Galectin-9 Pathway and Its Regulatory Mechanisms in Human Breast Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1594.	4.8	119
14	High mobility group box 1 (HMGB1) acts as an "alarmin" to promote acute myeloid leukaemia progression. <i>Oncotarget</i> , 2018, 7, e1438109.	4.6	34
15	Mapping Antibody Epitopes by Solution NMR Spectroscopy: Practical Considerations. <i>Methods in Molecular Biology</i> , 2018, 1785, 29-51.	0.9	11
16	Highly specific targeting of human acute myeloid leukaemia cells using pharmacologically active nanoconjugates. <i>Nanoscale</i> , 2018, 10, 5827-5833.	5.6	19
17	A public antibody lineage that potently inhibits malaria infection through dual binding to the circumsporozoite protein. <i>Nature Medicine</i> , 2018, 24, 401-407.	30.7	183
18	A bispecific immunotweezer prevents soluble PrP oligomers and abolishes prion toxicity. <i>PLoS Pathogens</i> , 2018, 14, e1007335.	4.7	21

#	ARTICLE	IF	CITATIONS
19	Label-Free Biosensor Detection of Endocrine Disrupting Compounds Using Engineered Estrogen Receptors. <i>Biosensors</i> , 2018, 8, 1.	4.7	90
20	Balance of Anti-CD123 Chimeric Antigen Receptor Binding Affinity and Density for the Targeting of Acute Myeloid Leukemia. <i>Molecular Therapy</i> , 2017, 25, 1933-1945.	8.2	126
21	A Human Bi-specific Antibody against Zika Virus with High Therapeutic Potential. <i>Cell</i> , 2017, 171, 229-241.e15.	28.9	118
22	The Tim-3-galectin-9 Secretory Pathway is Involved in the Immune Escape of Human Acute Myeloid Leukemia Cells. <i>EBioMedicine</i> , 2017, 22, 44-57.	6.1	167
23	The immune receptor Tim-3 acts as a trafficker in a Tim-3/galectin-9 autocrine loop in human myeloid leukemia cells. <i>Oncolmmunology</i> , 2016, 5, e1195535.	4.6	56
24	Specificity, cross-reactivity, and function of antibodies elicited by Zika virus infection. <i>Science</i> , 2016, 353, 823-826.	12.6	675
25	Translocon component Sec62 acts in endoplasmic reticulum turnover during stress recovery. <i>Nature Cell Biology</i> , 2016, 18, 1173-1184.	10.3	350
26	Interleukin-1 beta induces the expression and production of stem cell factor by epithelial cells: crucial involvement of the PI-3K/mTOR pathway and HIF-1 transcription complex. <i>Cellular and Molecular Immunology</i> , 2016, 13, 47-56.	10.5	24
27	Antibody Binding Modulates Conformational Exchange in Domain III of Dengue Virus E Protein. <i>Journal of Virology</i> , 2016, 90, 1802-1811.	3.4	13
28	Rationally Modified Estrogen Receptor Protein as a Bio-Recognition Element for the Detection of EDC Pollutants: Strategies and Opportunities. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 2612-2621.	2.6	2
29	Epitope mapping by solution NMR spectroscopy. <i>Journal of Molecular Recognition</i> , 2015, 28, 393-400.	2.1	34
30	Prophylactic and postexposure efficacy of a potent human monoclonal antibody against MERS coronavirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10473-10478.	7.1	198
31	The immune receptor Tim-3 mediates activation of PI3 kinase/mTOR and HIF-1 pathways in human myeloid leukaemia cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 59, 11-20.	2.8	53
32	Differential expression and biochemical activity of the immune receptor Tim-3 in healthy and malignant human myeloid cells. <i>Oncotarget</i> , 2015, 6, 33823-33833.	1.8	49
33	Rational Modification of Estrogen Receptor by Combination of Computational and Experimental Analysis. <i>PLoS ONE</i> , 2014, 9, e102658.	2.5	8
34	Receptor-based high-throughput screening and identification of estrogens in dietary supplements using bioaffinity liquid-chromatography ion mobility mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9427-9436.	3.7	19
35	Rational Engineering of a Human Anti-Dengue Antibody through Experimentally Validated Computational Docking. <i>PLoS ONE</i> , 2013, 8, e55561.	2.5	31
36	Gold Nanoparticles Downregulate Interleukin-1 β -Induced Pro-inflammatory Responses. <i>Small</i> , 2013, 9, 472-477.	10.0	165

#	ARTICLE	IF	CITATIONS
37	Opening Study on the Development of a New Biosensor for Metal Toxicity Based on Pseudomonas fluorescens Pyoverdine. Biosensors, 2013, 3, 385-399.	4.7	20
38	Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. Journal of Experimental Medicine, 2012, 209, 1519-1528.	8.5	590
39	HMGB1 promotes recruitment of inflammatory cells to damaged tissues by forming a complex with CXCL12 and signaling via CXCR4. Journal of Experimental Medicine, 2012, 209, 551-563.	8.5	539
40	Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. Journal of General Physiology, 2012, 140, i3-i3.	1.9	0
41	Computational Docking of Antibody-Antigen Complexes, Opportunities and Pitfalls Illustrated by Influenza Hemagglutinin. International Journal of Molecular Sciences, 2011, 12, 226-251.	4.1	66
42	Rapid Structural Characterization of Human Antibody-Antigen Complexes through Experimentally Validated Computational Docking. Journal of Molecular Biology, 2010, 396, 1491-1507.	4.2	28
43	The Human Immune Response to Dengue Virus Is Dominated by Highly Cross-Reactive Antibodies Endowed with Neutralizing and Enhancing Activity. Cell Host and Microbe, 2010, 8, 271-283.	11.0	526
44	The Diversity of Nuclear Magnetic Resonance Spectroscopy. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 65-81.	0.3	0
45	Solution mapping of T cell receptor docking footprints on peptide-MHC. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13080-13085.	7.1	45
46	Elucidation of the Interleukin-15 Binding Site on Its Alpha Receptor by NMR. Biochemistry, 2007, 46, 9453-9461.	2.5	27
47	Nuclear Magnetic Resonance Methods to Study Structure and Dynamics of RNA-Protein Complexes. Methods in Enzymology, 2001, 339, 357-376.	1.0	16
48	[14] Nuclear magnetic resonance methods to study RNA-protein complexes. Methods in Enzymology, 2000, 317, 198-220.	1.0	3
49	The NMR structure of the 38 kDa U1A protein - PIE RNA complex reveals the basis of cooperativity in regulation of polyadenylation by human U1A protein. Nature Structural Biology, 2000, 7, 329-335.	9.7	124
50	Refinement of the structure of protein-RNA complexes by residual dipolar coupling analysis. Journal of Biomolecular NMR, 1999, 14, 149-155.	2.8	69
51	Changes in side-chain and backbone dynamics identify determinants of specificity in RNA recognition by human U1A protein. Journal of Molecular Biology, 1999, 294, 967-979.	4.2	68
52	RNA Structure and RNA-Protein Recognition During Regulation of Eukaryotic Gene Expression. , 1999, , 195-216.		0
53	Partially folded structure of monomeric bovine β^2 -lactoglobulin. FEBS Letters, 1996, 381, 237-243.	2.8	103