

Luisa Bracci

List of Publications by Year in descending order

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122
papers

3,498
citations

109321

35
h-index

175258

52
g-index

128
all docs

128
docs citations

128
times ranked

4803
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely potent human monoclonal antibodies from COVID-19 convalescent patients. <i>Cell</i> , 2021, 184, 1821-1835.e16.	28.9	180
2	Synthetic Peptides in the Form of Dendrimers Become Resistant to Protease Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 46590-46595.	3.4	146
3	Antimicrobial Activity of Novel Dendrimeric Peptides Obtained by Phage Display Selection and Rational Modification. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2665-2672.	3.2	122
4	Systemic lupus erythematosus in Europe at the change of the millennium: Lessons from the "Euro-Lupus Project". <i>Autoimmunity Reviews</i> , 2006, 5, 180-186.	5.8	115
5	Therapeutic Activity of an Engineered Synthetic Killer Antiidiotypic Antibody Fragment against Experimental Mucosal and Systemic Candidiasis. <i>Infection and Immunity</i> , 2003, 71, 6205-6212.	2.2	104
6	Identification of an Antiangiogenic FGF2-binding Site in the N Terminus of the Soluble Pattern Recognition Receptor PTX3. <i>Journal of Biological Chemistry</i> , 2006, 281, 22605-22613.	3.4	101
7	Phage Display of Antibody Fragments. <i>Current Protein and Peptide Science</i> , 2000, 1, 155-169.	1.4	87
8	Molecular Basis of Branched Peptides Resistance to Enzyme Proteolysis. <i>Chemical Biology and Drug Design</i> , 2007, 69, 216-221.	3.2	85
9	Bioactive Peptides from Libraries. <i>Chemistry and Biology</i> , 2005, 12, 417-426.	6.0	81
10	Branched Peptides as Therapeutics. <i>Current Protein and Peptide Science</i> , 2008, 9, 468-477.	1.4	68
11	A novel tetrabranching antimicrobial peptide that neutralizes bacterial lipopolysaccharide and prevents septic shock <i>in vivo</i> . <i>FASEB Journal</i> , 2010, 24, 1015-1022.	0.5	66
12	Selective occlusion of tumor blood vessels by targeted delivery of an antibody-photosensitizer conjugate. <i>International Journal of Cancer</i> , 2006, 118, 1805-1813.	5.1	65
13	Synthesis and biological activity of stable branched neurotensin peptides for tumor targeting. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2441-2448.	4.1	63
14	In vitro and in vivo efficacy, toxicity, bio-distribution and resistance selection of a novel antibacterial drug candidate. <i>Scientific Reports</i> , 2016, 6, 26077.	3.3	63
15	Antimicrobial Peptide-Loaded Nanoparticles as Inhalation Therapy for <i>Pseudomonas aeruginosa</i> ; <i>Infections</i> . <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1117-1128.	6.7	62
16	Isomerization of an Antimicrobial Peptide Broadens Antimicrobial Spectrum to Gram-Positive Bacterial Pathogens. <i>PLoS ONE</i> , 2012, 7, e46259.	2.5	60
17	Functional expression in bacteria and plants of an scFv antibody fragment against tospoviruses. <i>Immunotechnology: an International Journal of Immunological Engineering</i> , 1999, 4, 189-201.	2.4	57
18	Probing the surface of a sweet protein: NMR study of MNEI with a paramagnetic probe. <i>Protein Science</i> , 2001, 10, 1498-1507.	7.6	55

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19	A Novel Mimetic Antigen Eliciting Protective Antibody to <i>Neisseria meningitidis</i> . <i>Journal of Immunology</i> , 2001, 167, 6487-6496.	0.8	51
20	Effect of ligand binding on human D-α-amino acid oxidase: Implications for the development of new drugs for schizophrenia treatment. <i>Protein Science</i> , 2010, 19, 1500-1512.	7.6	48
21	Design and In vitro Evaluation of Branched Peptide Conjugates: Turning Nonspecific Cytotoxic Drugs into Tumor-Selective Agents. <i>ChemMedChem</i> , 2010, 5, 567-574.	3.2	47
22	Immunogenicity of a free synthetic peptide: Carrier-conjugation enhances antibody affinity for the native protein. <i>Molecular Immunology</i> , 1987, 24, 297-303.	2.2	46
23	The Development of Antimicrobial Peptides as New Antibacterial Drugs. <i>Current Protein and Peptide Science</i> , 2013, 14, 641-649.	1.4	46
24	Antipeptide monoclonal antibodies inhibit the binding of rabies virus glycoprotein and alpha-bungarotoxin to the nicotinic acetylcholine receptor. <i>Molecular Immunology</i> , 1988, 25, 881-888.	2.2	45
25	Three-dimensional computation of atom depth in complex molecular structures. <i>Bioinformatics</i> , 2005, 21, 2856-2860.	4.1	45
26	Target-Selective Drug Delivery through Liposomes Labeled with Oligobranched Neurotensin Peptides. <i>ChemMedChem</i> , 2011, 6, 678-685.	3.2	41
27	NMR Studies of Protein Surface Accessibility. <i>Journal of Biological Chemistry</i> , 2001, 276, 42455-42461.	3.4	40
28	Antigenicity and Immunogenicity of the V3 Domain of HIV Type 1 Glycoprotein 120 Expressed on the Surface of <i>Streptococcus gordonii</i> . <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 451-459.	1.1	39
29	HLA Class II DNA Typing in a Large Series of European Patients with Systemic Lupus Erythematosus. <i>Medicine (United States)</i> , 2002, 81, 169-178.	1.0	39
30	Near-infrared quantum dots labelled with a tumor selective tetrabranched peptide for in vivo imaging. <i>Journal of Nanobiotechnology</i> , 2018, 16, 21.	9.1	39
31	Structure of rubella E1 glycoprotein epitopes established by multiple peptide synthesis. <i>Archives of Virology</i> , 1990, 110, 271-276.	2.1	38
32	Tumor-selective peptide-carrier delivery of Paclitaxel increases in vivo activity of the drug. <i>Scientific Reports</i> , 2015, 5, 17736.	3.3	38
33	Immunomodulatory and Anti-inflammatory Activity in Vitro and in Vivo of a Novel Antimicrobial Candidate. <i>Journal of Biological Chemistry</i> , 2016, 291, 25742-25748.	3.4	38
34	Characterization of the branched antimicrobial peptide M6 by analyzing its mechanism of action and in vivo toxicity. <i>Journal of Peptide Science</i> , 2007, 13, 393-399.	1.4	37
35	Modular Branched Neurotensin Peptides for Tumor Target Tracing and Receptor-Mediated Therapy: A Proof-of-Concept. <i>Current Cancer Drug Targets</i> , 2010, 10, 695-704.	1.6	37
36	Identification of new Th peptides from the cytomegalovirus protein pp65 to design a peptide library for generation of CD4 T cell lines for cellular immunoreconstitution. <i>International Immunology</i> , 2004, 16, 635-642.	4.0	36

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37	Synergistic activity profile of an antimicrobial peptide against multidrug-resistant and extensively drug-resistant strains of Gram-negative bacterial pathogens. <i>Journal of Peptide Science</i> , 2017, 23, 329-333.	1.4	36
38	Mimotopes of the Nicotinic Receptor Binding Site Selected by a Combinatorial Peptide Library. <i>Biochemistry</i> , 2001, 40, 6611-6619.	2.5	34
39	A Branched Peptide Mimotope of the Nicotinic Receptor Binding Site Is a Potent Synthetic Antidote against the Snake Neurotoxin α -Bungarotoxin. <i>Biochemistry</i> , 2002, 41, 10194-10199.	2.5	34
40	Binding of HIV-1 gp120 to the nicotinic receptor. <i>FEBS Letters</i> , 1992, 311, 115-118.	2.8	32
41	NMR Studies of Lysozyme Surface Accessibility by Using Different Paramagnetic Relaxation Probes. <i>Journal of the American Chemical Society</i> , 2006, 128, 9290-9291.	13.7	31
42	Structure-Activity Relationships and Mechanism of Action of EphA2 Ephrin Antagonists: Interaction of Cholanic Acid with the EphA2 Receptor. <i>ChemMedChem</i> , 2012, 7, 1071-1083.	3.2	31
43	Stable peptide inhibitors prevent binding of lethal and oedema factors to protective antigen and neutralize anthrax toxin in vivo. <i>Biochemical Journal</i> , 2006, 395, 157-163.	3.7	30
44	Site-specific pegylation of an antimicrobial peptide increases resistance to <i>Pseudomonas aeruginosa</i> elastase. <i>Amino Acids</i> , 2014, 46, 1403-1407.	2.7	30
45	Antigenicity of HIV-derived T helper determinants in the context of carrier recombinant proteins: effect on T helper cell repertoire selection. <i>European Journal of Immunology</i> , 1996, 26, 2461-2469.	2.9	29
46	Insights into the role of sulfated glycans in cancer cell adhesion and migration through use of branched peptide probe. <i>Scientific Reports</i> , 2016, 6, 27174.	3.3	28
47	Cancer Selectivity of Tetrabrached Neurotensin Peptides Is Generated by Simultaneous Binding to Sulfated Glycosaminoglycans and Protein Receptors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5009-5018.	6.4	27
48	Epitope focus, clonal composition and Th1 phenotype of the human CD4 response to the secretory mycobacterial antigen Ag85. <i>Clinical and Experimental Immunology</i> , 2001, 123, 226-232.	2.6	26
49	Tertiary structure prediction of SARS coronavirus helicase. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 1101-1104.	2.1	26
50	Functional Characterization of a Small-Molecule Inhibitor of the DKK1-LRP6 Interaction. , 2012, 2012, 1-9.		26
51	Sequence homology between HIV gp120, rabies virus glycoprotein, and snake venom neurotoxins. <i>Archives of Virology</i> , 1990, 114, 265-269.	2.1	24
52	Molecular Mimicry Between the Rabies Virus Glycoprotein and Human Immunodeficiency Virus-1 GP120: Cross-Reacting Antibodies Induced by Rabies Vaccination. <i>Blood</i> , 1997, 90, 3623-3628.	1.4	24
53	NMR Structure of α -Bungarotoxin Free and Bound to a Mimotope of the Nicotinic Acetylcholine Receptor. <i>Biochemistry</i> , 2002, 41, 1457-1463.	2.5	24
54	Neurotensin Branched Peptide as a Tumor-Targeting Agent for Human Bladder Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	24

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55	Coupling to a cancer-selective heparan-sulfate-targeted branched peptide can by-pass breast cancer cell resistance to methotrexate. <i>Oncotarget</i> , 2017, 8, 76141-76152.	1.8	23
56	Peptide-protein interactions studied by surface plasmon and nuclear magnetic resonances. <i>FEBS Letters</i> , 2002, 511, 33-35.	2.8	22
57	Oligo-branched peptides for tumor targeting: from magic bullets to magic forks. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 171-178.	3.1	22
58	Efficacy and toxicity of the antimicrobial peptide M33 produced with different counter-ions. <i>Amino Acids</i> , 2012, 43, 467-473.	2.7	22
59	Strategies for the Construction and Use of Peptide and Antibody Libraries Displayed on Phages. <i>Current Protein and Peptide Science</i> , 2004, 5, 487-496.	1.4	22
60	Production and characterization of monoclonal antibodies to anti-human chorionic somatomammotropin by immunization with two free synthetic peptides. <i>Molecular Immunology</i> , 1985, 22, 1237-1241.	2.2	21
61	Rational Design and Molecular Diversity for the Construction of Anti-Î±-Bungarotoxin Antidotes with High Affinity and In Vivo Efficiency. <i>Chemistry and Biology</i> , 2003, 10, 411-417.	6.0	21
62	Investigations into the killing activity of an antimicrobial peptide active against extensively antibiotic-resistant <i>K. pneumoniae</i> and <i>P. aeruginosa</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1796-1804.	2.6	21
63	Prediction of quaternary assembly of SARS coronavirus peplomer. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1210-1214.	2.1	20
64	Nanoparticles exposing neurotensin tumor-specific drivers. <i>Journal of Peptide Science</i> , 2013, 19, 198-204.	1.4	20
65	11Î²-Hydroxysteroid dehydrogenase expression in first trimester human trophoblasts. <i>Molecular and Cellular Endocrinology</i> , 1998, 141, 13-20.	3.2	19
66	Endogenous morphine modulates acute thermoreception in mice. <i>Journal of Neurochemistry</i> , 2002, 80, 271-277.	3.9	19
67	Heterologous Prime-Boost Combinations Highlight the Crucial Role of Adjuvant in Priming the Immune System. <i>Frontiers in Immunology</i> , 2018, 9, 380.	4.8	18
68	Antibacterial and Anti-Inflammatory Activity of an Antimicrobial Peptide Synthesized with D Amino Acids. <i>Antibiotics</i> , 2020, 9, 840.	3.7	18
69	A New NT4 Peptide-Based Drug Delivery System for Cancer Treatment. <i>Molecules</i> , 2020, 25, 1088.	3.8	17
70	A model of the rabies virus glycoprotein active site. <i>Biopolymers</i> , 1993, 33, 961-969.	2.4	16
71	Models of In-Vivo Bacterial Infections for the Development of Antimicrobial Peptide-based Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2016, 17, 613-619.	2.1	16
72	Exploiting Free Energy Minima to Design Novel EphA2 Protein Antagonists: From Simulation to Experiment and Return. <i>Chemistry - A European Journal</i> , 2016, 22, 8048-8052.	3.3	15

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73	Branched peptides as bioactive molecules for drug design. <i>Peptide Science</i> , 2018, 110, e24089.	1.8	15
74	NMR studies of BPTI aggregation by using paramagnetic relaxation reagents. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 856-862.	2.3	14
75	Phage Display and Colony Filter Screening for High-Throughput Selection of Antibody Libraries. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2002, 5, 503-510.	1.1	13
76	Antimicrobial activity of levofloxacin + M33 peptide conjugation or combination. <i>MedChemComm</i> , 2016, 7, 258-262.	3.4	12
77	Peptides and small molecules blocking the CXCR4/CXCL12 axis overcome bone marrow-induced chemoresistance in acute leukemias. <i>Oncology Reports</i> , 2018, 41, 312-324.	2.6	12
78	A monoclonal antibody to a synthetic fragment of rabies virus glycoprotein binds ligands of the nicotinic cholinergic receptor. <i>Journal of Molecular Recognition</i> , 1989, 2, 51-55.	2.1	11
79	Mimicking the nicotinic receptor binding site by a single chain Fv selected by competitive panning from a synthetic phage library. <i>Journal of Neurochemistry</i> , 2001, 78, 24-31.	3.9	11
80	Natural Analogue Peptides of an HIV-1 GP120 T-Helper Epitope Antagonize Response of GP120-Specific Human CD4 T-Cell Clones. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2000, 23, 1-7.	2.1	10
81	Recognition of cmv pp65 protein antigen by human cd4 t-cell lines induced with an immunodominant peptide pool. <i>Human Immunology</i> , 2004, 65, 537-543.	2.4	10
82	A HCMV pp65 polypeptide promotes the expansion of CD4 ⁺ and CD8 ⁺ T cells across a wide range of HLA specificities. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2131-2147.	3.6	10
83	Unraveling Heparan Sulfate Proteoglycan Binding Motif for Cancer Cell Selectivity. <i>Frontiers in Oncology</i> , 2019, 9, 843.	2.8	10
84	An antimicrobial molecule mitigates signs of sepsis in vivo and eradicates infections from lung tissue. <i>FASEB Journal</i> , 2020, 34, 192-207.	0.5	10
85	Quantum mechanical calculation of the electron screening in d-D fusion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 153, 456-460.	2.1	9
86	Natural Analogue Peptides of an HIV-1 GP120 T-Helper Epitope Antagonize Response of GP120-Specific Human CD4 T-Cell Clones. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2000, 23, 1-7.	2.1	9
87	Anti-mu opioid antiserum against the third external loop of the cloned mu-opioid receptor acts as a mu receptor neutral antagonist. <i>Molecular Brain Research</i> , 2003, 119, 100-110.	2.3	9
88	Surface Interactome in <i>Streptococcus pyogenes</i> . <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.015206.	3.8	9
89	The GAG-specific branched peptide NT4 reduces angiogenesis and invasiveness of tumor cells. <i>PLoS ONE</i> , 2018, 13, e0194744.	2.5	9
90	Determination of antigen-specific immunoglobulin content in ascitic fluids and antisera. <i>Journal of Immunological Methods</i> , 1986, 92, 189-193.	1.4	8

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91	Branched peptides as novel tumor-targeting agents for bladder cancer. <i>Expert Review of Anticancer Therapy</i> , 2012, 12, 699-701.	2.4	8
92	Analysis of opa1 isoforms expression and apoptosis regulation in autosomal dominant optic atrophy (ADOA) patients with mutations in the opa1 gene. <i>Journal of the Neurological Sciences</i> , 2015, 351, 99-108.	0.6	8
93	High performance liquid chromatography immunoaffinity purification of antibodies and antibody fragments. <i>Journal of Immunological Methods</i> , 1988, 114, 181-185.	1.4	7
94	Biochemical filtering of a protein-protein docking simulation identifies the structure of a complex between a recombinant antibody fragment and alpha-bungarotoxin. <i>Biochemical Journal</i> , 2003, 371, 423-427.	3.7	7
95	Heparan Sulfate Proteoglycans Can Promote Opposite Effects on Adhesion and Directional Migration of Different Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15997-16011.	6.4	7
96	Antagonistic activity of HIV-1 T helper peptides flanked by an unrelated carrier protein. <i>European Journal of Immunology</i> , 1999, 29, 1448-1455.	2.9	6
97	Metal ion complexation and folding of linear peptides. <i>Biophysical Chemistry</i> , 2002, 97, 79-86.	2.8	6
98	NMR and MD Studies on the Interaction Between Ligand Peptides and $\hat{\alpha}$ -Bungarotoxin. <i>Journal of Molecular Biology</i> , 2004, 339, 1169-1177.	4.2	6
99	A Novel Phage-Library-Selected Peptide Inhibits Human TNF- $\hat{\alpha}$ Binding to Its Receptors. <i>Molecules</i> , 2014, 19, 7255-7268.	3.8	6
100	Oxidative stress-induced apoptosis in peripheral blood lymphocytes from patients with POLG-related disorders. <i>Journal of the Neurological Sciences</i> , 2016, 368, 359-368.	0.6	6
101	NMR Study of the Secondary Structure and Biopharmaceutical Formulation of an Active Branched Antimicrobial Peptide. <i>Molecules</i> , 2019, 24, 4290.	3.8	5
102	Endocytosis and Trafficking of Heparan Sulfate Proteoglycans in Triple-Negative Breast Cancer Cells Unraveled with a Polycationic Peptide. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8282.	4.1	5
103	Purification of Acidic Synthetic Peptides by High Performance Liquid Chromatography Using Ammonium Acetate Buffer. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1988, 11, 1651-1660.	1.0	4
104	Solubility Improvement of an Anthrax Toxin Peptide Inhibitor by Rational Aminoacid Randomization. <i>Protein and Peptide Letters</i> , 2008, 15, 562-566.	0.9	4
105	Molecular definition of the interaction between a tumor-specific tetrabrached peptide and LRP6 receptor. <i>Amino Acids</i> , 2020, 52, 915-924.	2.7	3
106	Identification of a Neutralizing Epitope on TOSV Gn Glycoprotein. <i>Vaccines</i> , 2021, 9, 924.	4.4	3
107	NMR studies on Ni(II) induced cyclization of a histidine-tagged peptide. <i>Journal of Peptide Science</i> , 2002, 8, 634-641.	1.4	2
108	Characterization of immunoreactive octapeptides of human-cytomegalovirus gp58. <i>FEBS Journal</i> , 1993, 215, 383-387.	0.2	1

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109	HISTIDYL TAGS AND STRUCTURAL STABILIZATION OF LINEAR PEPTIDES. Spectroscopy Letters, 2002, 35, 111-118.	1.0	1
110	Tumor Imaging With Tetrabranched Neurotensin. Advances in Experimental Medicine and Biology, 2009, 611, 437-438.	1.6	1
111	HPLC immunoaffinity purification of rabies virus glycoprotein using immobilized anti-peptide antibodies. Journal of Immunological Methods, 1990, 127, 131-138.	1.4	0
112	An antigenic determinant common to human chorionic somatomammotropin and human growth hormone revealed by limited proteolysis of immune complexes. Biopolymers, 1991, 31, 1029-1035.	2.4	0
113	Branched Neurotensin for Tumor Targeting. , 2006, , 371-372.		0
114	878 BRANCHED PEPTIDES AS A NOVEL TUMOR-TARGETING AGENTS FOR BLADDER CANCER. Journal of Urology, 2011, 185, .	0.4	0
115	1219 POSTER Turning Traditional Cytotoxic Drugs Into Tumour-selective Agents. European Journal of Cancer, 2011, 47, S150.	2.8	0
116	NMR Studies of the Interaction of $\hat{\pm}$ -Bungarotoxin with a Mimotope of the Nicotinic Acetylcholine Receptor. , 2001, , 925-926.		0
117	Abstract 2319: Target selective drug delivery through liposomes labeled with tetra-branched neurotensin peptides. , 2011, , .		0
118	Abstract 5625: Targeting different LRP receptors and sulfated proteoglycan by branched neurotensin provide high cancer selectivity.. , 2013, , .		0
119	Abstract 5350: Targeting Heparan Sulfated Proteoglycans by branched peptides for selective cancer imaging and therapy. , 2015, , .		0
120	Abstract 1153: Heparan sulfate proteoglycans as novel target in cancer precise therapy. , 2017, , .		0
121	Structurally Driven Selection of Human Hepatitis C Virus Mimotopes. Antiviral Therapy, 2006, 11, 917-922.	1.0	0
122	Antagonistic activity of HIV-1 T helper peptides flanked by an unrelated carrier protein. European Journal of Immunology, 1999, 29, 1448-1455.	2.9	0