

Alessandro Gori

List of Publications by Year in descending order

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69
papers

1,567
citations

236925

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h-index

345221

36
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all docs

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docs citations

72
times ranked

2706
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the 3D Structure of a Surface Membrane Antigen from <i>Trypanosoma cruzi</i> as a Serodiagnostic Biomarker of Chagas Disease. <i>Vaccines</i> , 2022, 10, 71.	4.4	0
2	Composite Peptide-agarose Hydrogels for Robust and High-Sensitivity 3D Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4811-4822.	8.0	8
3	Differential Impedance Sensing platform for high selectivity antibody detection down to few counts: A case study on Dengue Virus. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113996.	10.1	9
4	Risk stratification of patients with SARS-CoV-2 by tissue factor expression in circulating extracellular vesicles. <i>Vascular Pharmacology</i> , 2022, 145, 106999.	2.1	11
5	Emergence of Elastic Properties in a Minimalist Resilin-Derived Heptapeptide upon Bromination. <i>Small</i> , 2022, 18, .	10.0	5
6	Multifunctional membranes for lipidic nanovesicle capture. <i>Separation and Purification Technology</i> , 2022, 298, 121561.	7.9	4
7	SARS-CoV-2 Epitope Mapping on Microarrays Highlights Strong Immune-Response to N Protein Region. <i>Vaccines</i> , 2021, 9, 35.	4.4	38
8	Extracellular Vesicles Analysis in the COVID-19 Era: Insights on Serum Inactivation Protocols towards Downstream Isolation and Analysis. <i>Cells</i> , 2021, 10, 544.	4.1	10
9	Nanogold Functionalized With Lipoamide-isoDGR: A Simple, Robust and Versatile Nanosystem for α 3-Integrin Targeting. <i>Frontiers in Chemistry</i> , 2021, 9, 690357.	3.6	2
10	Enhancement of doxorubicin anti-cancer activity by vascular targeting using IsoDGR/cytokine-coated nanogold. <i>Journal of Nanobiotechnology</i> , 2021, 19, 128.	9.1	13
11	The tumor suppressor folliculin inhibits lactate dehydrogenase A and regulates the Warburg effect. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 662-670.	8.2	19
12	Self-Assembling Peptide Hydrogels for 3D Microarrays. <i>Methods in Molecular Biology</i> , 2021, 2237, 179-189.	0.9	2
13	A bi-functional polymeric coating for the co-immobilization of proteins and peptides on microarray substrates. <i>Analytica Chimica Acta</i> , 2021, 1187, 339138.	5.4	5
14	Digital count of antibodies through differential impedance for high-resolution immunosensing. , 2021, , ,		1
15	Hexokinase 2 displacement from mitochondria-associated membranes prompts Ca ²⁺ -dependent death of cancer cells. <i>EMBO Reports</i> , 2020, 21, e49117.	4.5	62
16	Chemical Perturbation of Oncogenic Protein Folding: from the Prediction of Locally Unstable Structures to the Design of Disruptors of Hsp90-Client Interactions. <i>Chemistry - A European Journal</i> , 2020, 26, 9459-9465.	3.3	39
17	Halogenation of the N-Terminus Tyrosine 10 Promotes Supramolecular Stabilization of the Amyloid β Sequence 7-12. <i>ChemistryOpen</i> , 2020, 9, 253-260.	1.9	6
18	Biomimetic engineering of the molecular recognition and self-assembly of peptides and proteins via halogenation. <i>Coordination Chemistry Reviews</i> , 2020, 411, 213242.	18.8	37

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19	Enhanced self-assembly of the 7 th –12 sequence of amyloid- β peptide by tyrosine bromination. <i>Supramolecular Chemistry</i> , 2020, 32, 247-255.	1.2	8
20	A nicotinamide phosphoribosyltransferase \leftrightarrow GAPDH interaction sustains the stress-induced NMN/NAD ⁺ salvage pathway in the nucleus. <i>Journal of Biological Chemistry</i> , 2020, 295, 3635-3651.	3.4	21
21	Membrane \leftrightarrow binding peptides for extracellular vesicles on \leftrightarrow chip analysis. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1751428.	12.2	47
22	Diflunisal targets the \langle sc \rangle HMGB \langle /sc \rangle 1/ \langle sc \rangle CXCL \langle /sc \rangle 12 heterocomplex and blocks immune cell recruitment. <i>EMBO Reports</i> , 2019, 20, e47788.	4.5	34
23	Towards precision medicine: the role and potential of protein and peptide microarrays. <i>Analyst</i> , The, 2019, 144, 5353-5367.	3.5	14
24	Clickable cellulosic surfaces for peptide-based bioassays. <i>Talanta</i> , 2019, 205, 120152.	5.5	9
25	A self-assembling peptide hydrogel for ultrarapid 3D bioassays. <i>Nanoscale Advances</i> , 2019, 1, 490-497.	4.6	19
26	Computational Analysis of Dengue Virus Envelope Protein (E) Reveals an Epitope with Flavivirus Immunodiagnostic Potential in Peptide Microarrays. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1921.	4.1	31
27	Peptides for Infectious Diseases: From Probe Design to Diagnostic Microarrays. <i>Antibodies</i> , 2019, 8, 23.	2.5	18
28	A stapled chromogranin A-derived peptide is a potent dual ligand for integrins α 6 β 1 and α 8 β 1. <i>Chemical Communications</i> , 2019, 55, 14777-14780.	4.1	5
29	The calcium-binding type III repeats domain of thrombospondin-2 binds to fibroblast growth factor 2 (FGF2). <i>Angiogenesis</i> , 2019, 22, 133-144.	7.2	37
30	<i>In Situ</i> Generation of Chiroptically-Active Gold-Peptide Superstructures Promoted by Iodination. <i>ACS Nano</i> , 2019, 13, 2158-2166.	14.6	25
31	Enhancing Antibody Serodiagnosis Using a Controlled Peptide Coimmobilization Strategy. <i>ACS Infectious Diseases</i> , 2018, 4, 998-1006.	3.8	25
32	Mosquito-Derived Anophelin Sulfopeptides Are Potent Antithrombotics. <i>ACS Central Science</i> , 2018, 4, 468-476.	11.3	37
33	Enhancement of Tumor Homing by Chemotherapy \leftrightarrow Loaded Nanoparticles. <i>Small</i> , 2018, 14, e1802886.	10.0	23
34	Dynamics of Structural Elements of GB1 β -Hairpin Revealed by Tryptophan \leftrightarrow Cysteine Contact Formation Experiments. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11468-11477.	2.6	6
35	Design of new nanocarriers for biomedical applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
36	A halogen bond-donor amino acid for organocatalysis in water. <i>Chemical Communications</i> , 2018, 54, 10718-10721.	4.1	42

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37	Succinimide-Based Conjugates Improve IsoDGR Cyclopeptide Affinity to $\hat{1}^2$ without Promoting Integrin Allosteric Activation. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7474-7485.	6.4	19
38	The enzymatic processing of $\hat{1}^2$ -dystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. <i>PLoS ONE</i> , 2018, 13, e0192651.	2.5	4
39	T cell neoepitope discovery in colorectal cancer by high throughput profiling of somatic mutations in expressed genes. <i>Gut</i> , 2017, 66, 454-463.	12.1	48
40	Multiple epitope presentation and surface density control enabled by chemoselective immobilization lead to enhanced performance in IgE-binding fingerprinting on peptide microarrays. <i>Analytica Chimica Acta</i> , 2017, 983, 189-197.	5.4	27
41	Halogenation dictates the architecture of amyloid peptide nanostructures. <i>Nanoscale</i> , 2017, 9, 9805-9810.	5.6	33
42	Unraveling Energy and Dynamics Determinants to Interpret Protein Functional Plasticity: The Limonene-1,2-epoxide-hydrolase Case Study. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 717-725.	5.4	5
43	Frontispiece: Disulfide Bond Mimetics: Strategies and Challenges. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
44	Disulfide Bond Mimetics: Strategies and Challenges. <i>Chemistry - A European Journal</i> , 2017, 23, 14987-14995.	3.3	38
45	Designing Probes for Immunodiagnostics: Structural Insights into an Epitope Targeting <i>Burkholderia</i> Infections. <i>ACS Infectious Diseases</i> , 2017, 3, 736-743.	3.8	8
46	Glycine $\hat{1}^2$ -Methylation in NGR-Tagged Nanocarriers Prevents Isoaspartate Formation and Integrin Binding without Impairing CD13 Recognition and Tumor Homing. <i>Advanced Functional Materials</i> , 2017, 27, 1701245.	14.9	19
47	Structural Vaccinology for Melioidosis Vaccine Design and Immunodiagnostics. <i>Current Tropical Medicine Reports</i> , 2017, 4, 103-110.	3.7	1
48	Abstract 5130: Tumor-penetrating peptide-coated nanoparticles as a novel strategy for the targeted therapy of neuroblastoma. , 2017, , .		0
49	Screening Complex Biological Samples with Peptide Microarrays: The Favorable Impact of Probe Orientation via Chemoselective Immobilization Strategies on Clickable Polymeric Coatings. <i>Bioconjugate Chemistry</i> , 2016, 27, 2669-2677.	3.6	40
50	Evolving serodiagnostics by rationally designed peptide arrays: the <i>Burkholderia</i> paradigm in Cystic Fibrosis. <i>Scientific Reports</i> , 2016, 6, 32873.	3.3	21
51	Flexible vs Rigid Epitope Conformations for Diagnostic- and Vaccine-Oriented Applications: Novel Insights from the <i>Burkholderia pseudomallei</i> BPSL2765 Pal3 Epitope. <i>ACS Infectious Diseases</i> , 2016, 2, 221-230.	3.8	22
52	NGR-tagged nano-gold: A new CD13-selective carrier for cytokine delivery to tumors. <i>Nano Research</i> , 2016, 9, 1393-1408.	10.4	48
53	Chemoselective Strategies to Peptide and Protein Bioprobes Immobilization on Microarray Surfaces. <i>Methods in Molecular Biology</i> , 2016, 1352, 145-156.	0.9	9
54	Clickable Polymeric Coating for Oriented Peptide Immobilization. <i>Methods in Molecular Biology</i> , 2016, 1352, 167-182.	0.9	3

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55	Sequence- and Structure-Based Immunoreactive Epitope Discovery for <i>Burkholderia pseudomallei</i> Flagellin. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003917.	3.0	40
56	Î±-dystroglycan is a potential target of matrix metalloproteinase MMP-2. <i>Matrix Biology</i> , 2015, 41, 2-7.	3.6	12
57	Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. <i>Biomaterials</i> , 2015, 68, 89-99.	11.4	36
58	Dichotomy of short and long thymic stromal lymphopoietin isoforms in inflammatory disorders of the bowel and skin. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 413-422.	2.9	102
59	Structure-Based Design of a B Cell Antigen from <i>B. pseudomallei</i> . <i>ACS Chemical Biology</i> , 2015, 10, 803-812.	3.4	12
60	Stabilization of the Cysteine-Rich Conotoxin MrlA by Using a 1,2,3-Triazole as a Disulfide Bond Mimetic. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1361-1364.	13.8	45
61	Prediction of Antigenic B and T Cell Epitopes via Energy Decomposition Analysis: Description of the Web-Based Prediction Tool BEPPE. <i>Methods in Molecular Biology</i> , 2015, 1348, 13-22.	0.9	6
62	Development of U11-Functionalized Gold Nanoparticles for Selective Targeting of Urokinase Plasminogen Activator Receptor-Positive Breast Cancer Cells. <i>Bioconjugate Chemistry</i> , 2014, 25, 1381-1386.	3.6	19
63	Exploiting the <i>Burkholderia pseudomallei</i> Acute Phase Antigen BPSL2765 for Structure-Based Epitope Discovery/Design in Structural Vaccinology. <i>Chemistry and Biology</i> , 2013, 20, 1147-1156.	6.0	50
64	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. <i>Journal of Controlled Release</i> , 2013, 170, 233-241.	9.9	41
65	Rational Epitope Design for Protein Targeting. <i>ACS Chemical Biology</i> , 2013, 8, 397-404.	3.4	36
66	A Structure-Based Strategy for Epitope Discovery in <i>Burkholderia pseudomallei</i> OppA Antigen. <i>Structure</i> , 2013, 21, 167-175.	3.3	49
67	Peptides for immunological purposes: design, strategies and applications. <i>Amino Acids</i> , 2013, 45, 257-268.	2.7	61
68	1-Hydroxy-4-azepine-4-amino-4-carboxylic Acid: A New Î±,Î±-Disubstituted Ornithine Analogue Capable of Inducing Helix Conformations in Short Ala-Aib Pentapeptides. <i>Chemistry - A European Journal</i> , 2012, 18, 8705-8715.	3.3	30
69	A Self-assembling Peptide Hydrogel for Ultrarapid 3D Immunoassays. , 0, , .		0