

Francesca Nuti

List of Publications by Year in descending order

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44
papers

705
citations

687363

13
h-index

552781

26
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47
all docs

47
docs citations

47
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Di-(2-Ethylhexyl) Phthalate and Autism Spectrum Disorders. <i>ASN Neuro</i> , 2012, 4, AN20120015.	2.7	127
2	An N-glycosylated peptide detecting disease-specific autoantibodies, biomarkers of multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10273-10278.	7.1	111
3	Di-(2-Ethylhexyl) Phthalate Metabolites in Urine Show Age-Related Changes and Associations with Adiposity and Parameters of Insulin Sensitivity in Childhood. <i>PLoS ONE</i> , 2015, 10, e0117831.	2.5	47
4	A convenient microwave-assisted synthesis of N-glycosyl amino acids. <i>Tetrahedron Letters</i> , 2007, 48, 2901-2904.	1.4	38
5	Hydration and Hydrogen Bonding of Carbonyls in Dimyristoyl-Phosphatidylcholine Bilayer. <i>Journal of the American Chemical Society</i> , 2006, 128, 9466-9471.	13.7	34
6	Electrostatic interactions in phospholipid membranes revealed by coherent 2D IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15323-15327.	7.1	32
7	Ferrocenyl glycopeptides as electrochemical probes to detect autoantibodies in multiple sclerosis patients' sera. <i>Biopolymers</i> , 2008, 90, 488-495.	2.4	32
8	Designed Glycopeptides with Different β -Turn Types as Synthetic Probes for the Detection of Autoantibodies as Biomarkers of Multiple Sclerosis. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5304-5309.	6.4	28
9	Posttranslationally modified peptides efficiently mimicking neoantigens: A challenge for theragnostics of autoimmune diseases. <i>Biopolymers</i> , 2010, 94, 791-799.	2.4	24
10	Antibodies from multiple sclerosis patients preferentially recognize hyperglucosylated adhesin of non-typeable <i>Haemophilus influenzae</i> . <i>Scientific Reports</i> , 2016, 6, 39430.	3.3	23
11	Synthesis of DEHP metabolites as biomarkers for GC-MS evaluation of phthalates as endocrine disrupters. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 3461-3465.	3.0	22
12	A new lipophilic fluorescent probe for interaction studies of bioactive lipopeptides with membrane models. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1731-1734.	2.2	20
13	Immune Dysfunction in Rett Syndrome Patients Revealed by High Levels of Serum Anti-N(Glc) IgM Antibody Fraction. <i>Journal of Immunology Research</i> , 2014, 2014, 1-6.	2.2	18
14	Fmoc-protected iminosugar modified asparagine derivatives as building blocks for glycomimetics-containing peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3965-3973.	3.0	13
15	Synthesis of new ribosylated Asn building blocks as useful tools for glycopeptide and glycoprotein synthesis. <i>Tetrahedron Letters</i> , 2009, 50, 4151-4153.	1.4	12
16	Divergent and convergent synthesis of polymannosylated dibranched antigenic peptide of the immunodominant epitope MBP(83-99). <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6718-6725.	3.0	12
17	Diastereoselective Alkylation of Schiff Bases for the Synthesis of Lipidic Unnatural Fmoc-Protected β -Amino Acids. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2736.	2.4	11
18	Synthesis of diastereomerically pure Lys(β -lipoyl) building blocks and their use in Fmoc/tBu solid phase synthesis of lipoyl-containing peptides for diagnosis of primary biliary cirrhosis. <i>Journal of Peptide Science</i> , 2015, 21, 408-414.	1.4	10

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19	An Optimised Di-Boronate-ChemMatrix Affinity Chromatography to Trap Deoxyfructosylated Peptides as Biomarkers of Glycation. <i>Molecules</i> , 2020, 25, 755.	3.8	10
20	Conformational Analysis of Glycyl-L-Ala-L-NHMe in D ₂ O and DMSO Solutions: A Two-Dimensional Infrared Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14226-14237.	2.6	9
21	A Photochromic Azobenzene Peptidomimetic of a β -Turn Model Peptide Structure as a Conformational Switch. <i>Frontiers in Chemistry</i> , 2019, 7, 180.	3.6	9
22	Epitope mapping of anti-myelin oligodendrocyte glycoprotein (MOG) antibodies in a mouse model of multiple sclerosis: microwave-assisted synthesis of the peptide antigens and ELISA screening. <i>Journal of Peptide Science</i> , 2016, 22, 52-58.	1.4	8
23	Role of Lipoylation of the Immunodominant Epitope of Pyruvate Dehydrogenase Complex: Toward a Peptide-Based Diagnostic Assay for Primary Biliary Cirrhosis. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6619-6629.	6.4	7
24	Serpine A1 C-Terminal Peptides as Collagen Turnover Modulators. <i>ChemMedChem</i> , 2016, 11, 1850-1855.	3.2	6
25	Antibodies to post-translationally modified mitochondrial peptide PDC-E2(167-184) in type 1 diabetes. <i>Archives of Biochemistry and Biophysics</i> , 2018, 659, 66-74.	3.0	6
26	Interaction Study of Phospholipid Membranes with an N-Glucosylated β -Turn Peptide Structure Detecting Autoantibodies Biomarkers of Multiple Sclerosis. <i>Membranes</i> , 2015, 5, 576-596.	3.0	5
27	Structure-Activity Relationship Studies, SPR Affinity Characterization, and Conformational Analysis of Peptides That Mimic the HNK-1 Carbohydrate Epitope. <i>ChemMedChem</i> , 2017, 12, 751-759.	3.2	5
28	A Multiple N-Glucosylated Peptide Epitope Efficiently Detecting Antibodies in Multiple Sclerosis. <i>Brain Sciences</i> , 2020, 10, 453.	2.3	5
29	Selective capture of anti-N-glycosylated NTHi adhesin peptide antibodies by a multivalent dextran conjugate. <i>ChemBioChem</i> , 2021, , .	2.6	4
30	Palladium-Catalyzed Oxidation of Glucose in Glycopeptides**. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4
31	Hyperglucosylated adhesin-derived peptides as antigenic probes in multiple sclerosis: Structure optimization and immunological evaluation. <i>Journal of Peptide Science</i> , 2020, 26, e3281.	1.4	3
32	Cross-reactive peptide epitopes of Enterovirus Coxsackie B4 and human glutamic acid decarboxylase detecting antibodies in latent autoimmune diabetes in adults versus type 1 diabetes. <i>Clinica Chimica Acta</i> , 2021, 515, 73-79.	1.1	3
33	Microwave-assisted reaction of glycosylamine with aspartic acid. <i>Amino Acids</i> , 2010, 39, 599-604.	2.7	2
34	Natural Triterpene Glycosides for Antibody Recognition. <i>Planta Medica Letters</i> , 2016, 3, e2-e7.	0.2	2
35	ELISA based on peptide antigens reproducing cross-reactive viral epitopes to detect antibodies in latent autoimmune diabetes in adults vs. type 1 diabetes. <i>MethodsX</i> , 2021, 8, 101452.	1.6	1
36	Microwave-assisted Synthesis of N-glycosylated Building Blocks. , 2006, , 190-191.		0

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37	Does an Aberrant Glucosylation Trigger Autoimmunity in Multiple Sclerosis?. , 2006, , 775-776.		0
38	Optimization of Multiple Sclerosis Antigenic Probes by a Combinatorial Approach. , 2006, , 779-780.		0
39	Lipoylated Peptides and Proteins. Topics in Heterocyclic Chemistry, 2015, , 1.	0.2	0
40	Lipoylated Peptides and Proteins. Topics in Heterocyclic Chemistry, 2015, , 235-252.	0.2	0
41	Ribose Building Block For The Synthesis Of Glycopeptides For Fishing Out Antibodies In Autoimmune Diseases. Advances in Experimental Medicine and Biology, 2009, 611, 441-442.	1.6	0
42	Studies for Identification of the Minimal Epitope(s) mimicked by the Synthetic Glucopeptide CSF114(Glc). Advances in Experimental Medicine and Biology, 2009, 611, 431-432.	1.6	0
43	Synthesis Of Organometallic Glycopeptides And Electrochemical Studies To Detect Autoantibodies In Multiple Sclerosis Patients'Sera.. Advances in Experimental Medicine and Biology, 2009, 611, 435-436.	1.6	0
44	Role of Helical Structure in MBP Immunodominant Peptides for Efficient IgM Antibody Recognition in Multiple Sclerosis. Frontiers in Chemistry, 0, 10, .	3.6	0