

# Nazzareno Dimasi

## List of Publications by Year in descending order

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62  
papers

2,842  
citations

186265

28  
h-index

175258

52  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Function of Natural Killer Cell Receptors: Multiple Molecular Solutions to Self, Nonself Discrimination. <i>Annual Review of Immunology</i> , 2002, 20, 853-885.	21.8	305
2	A Biparatopic HER2-Targeting Antibody-Drug Conjugate Induces Tumor Regression in Primary Models Refractory to or Ineligible for HER2-Targeted Therapy. <i>Cancer Cell</i> , 2016, 29, 117-129.	16.8	281
3	A multifunctional bispecific antibody protects against <i>Pseudomonas aeruginosa</i> . <i>Science Translational Medicine</i> , 2014, 6, 262ra155.	12.4	228
4	Crystal Structure of a Superantigen Bound to the High-Affinity, Zinc-Dependent Site on MHC Class II. <i>Immunity</i> , 2001, 14, 93-104.	14.3	134
5	Variable MHC class I engagement by Ly49 natural killer cell receptors demonstrated by the crystal structure of Ly49C bound to H-2Kb. <i>Nature Immunology</i> , 2003, 4, 1213-1222.	14.5	127
6	Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. <i>Biochemistry</i> , 2004, 43, 4170-4178.	2.5	105
7	Human Natural Killer cell receptors: insights into their molecular function and structure. <i>Journal of Cellular and Molecular Medicine</i> , 2003, 7, 376-387.	3.6	102
8	Stabilization of cysteine-linked antibody drug conjugates with N-aryl maleimides. <i>Journal of Controlled Release</i> , 2015, 220, 660-670.	9.9	95
9	The Design and Characterization of Oligospecific Antibodies for Simultaneous Targeting of Multiple Disease Mediators. <i>Journal of Molecular Biology</i> , 2009, 393, 672-692.	4.2	84
10	Active Focal Segmental Glomerulosclerosis Is Associated with Massive Oxidation of Plasma Albumin. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 799-810.	6.1	83
11	Antibody-Drug Conjugates Bearing Pyrrolobenzodiazepine or Tubulysin Payloads Are Immunomodulatory and Synergize with Multiple Immunotherapies. <i>Cancer Research</i> , 2017, 77, 2686-2698.	0.9	77
12	Characterization of oxidation end product of plasma albumin <i>in vivo</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 668-673.	2.1	71
13	Structural basis of MHC class I recognition by natural killer cell receptors. <i>Immunological Reviews</i> , 2001, 181, 52-65.	6.0	64
14	Expression, crystallization and X-ray data collection from microcrystals of the extracellular domain of the human inhibitory receptor expressed on myeloid cells IREM-1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 204-208.	0.7	60
15	Efficient Preparation of Site-Specific Antibody-Drug Conjugates Using Cysteine Insertion. <i>Molecular Pharmaceutics</i> , 2017, 14, 1501-1516.	4.6	59
16	SLC46A3 as a Potential Predictive Biomarker for Antibody-Drug Conjugates Bearing Noncleavable Linked Maytansinoid and Pyrrolobenzodiazepine Warheads. <i>Clinical Cancer Research</i> , 2018, 24, 6570-6582.	7.0	56
17	Rational design, biophysical and biological characterization of site-specific antibody-tubulysin conjugates with improved stability, efficacy and pharmacokinetics. <i>Journal of Controlled Release</i> , 2016, 236, 100-116.	9.9	50
18	Preclinical assessment of an antibody-PBD conjugate that targets BCMA on multiple myeloma and myeloma progenitor cells. <i>Leukemia</i> , 2019, 33, 766-771.	7.2	49

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19	CD19 and CD32b Differentially Regulate Human B Cell Responsiveness. <i>Journal of Immunology</i> , 2014, 192, 1480-1490.	0.8	44
20	Characterization of engineered hepatitis C virus NS3 protease inhibitors affinity selected from human pancreatic secretory trypsin inhibitor and minibody repertoires. <i>Journal of Virology</i> , 1997, 71, 7461-7469.	3.4	42
21	Structural and functional aspects of the Ly49 natural killer cell receptors. <i>Immunology and Cell Biology</i> , 2005, 83, 1-8.	2.3	38
22	Preclinical Evaluation of MEDI0641, a Pyrrolobenzodiazepine-Conjugated Antibody-Drug Conjugate Targeting 5T4. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1576-1587.	4.1	37
23	Fractionated Dosing Improves Preclinical Therapeutic Index of Pyrrolobenzodiazepine-Containing Antibody Drug Conjugates. <i>Clinical Cancer Research</i> , 2017, 23, 5858-5868.	7.0	37
24	Synthesis of a heterotrifunctional linker for the site-specific preparation of antibody-drug conjugates with two distinct warheads. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3617-3621.	2.2	36
25	A Nanoparticle Platform To Evaluate Bioconjugation and Receptor-Mediated Cell Uptake Using Cross-Linked Polyion Complex Micelles Bearing Antibody Fragments. <i>Biomacromolecules</i> , 2016, 17, 1818-1833.	5.4	35
26	Antitumor Activity of MEDI3726 (ADCT-401), a Pyrrolobenzodiazepine Antibody-Drug Conjugate Targeting PSMA, in Preclinical Models of Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 2176-2186.	4.1	33
27	Straightforward Glycoengineering Approach to Site-Specific Antibody-Pyrrolobenzodiazepine Conjugates. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1005-1008.	2.8	31
28	Crystal Structure of the Ly49I Natural Killer Cell Receptor Reveals Variability in Dimerization Mode Within the Ly49 Family. <i>Journal of Molecular Biology</i> , 2002, 320, 573-585.	4.2	30
29	Design of Selective Eglin Inhibitors of HCV NS3 Proteinase. <i>Biochemistry</i> , 1998, 37, 11459-11468.	2.5	29
30	The Crystal Structure of the Extracellular Domain of the Inhibitor Receptor Expressed on Myeloid Cells IREM-1. <i>Journal of Molecular Biology</i> , 2007, 367, 310-318.	4.2	29
31	Identification and molecular modelling of a novel familial mutation in the SRY gene implicated in the pure gonadal dysgenesis. <i>European Journal of Human Genetics</i> , 2007, 15, 76-80.	2.8	28
32	Hydrolytically Stable Site-Specific Conjugation at the N-Terminus of an Engineered Antibody. <i>Bioconjugate Chemistry</i> , 2015, 26, 2085-2096.	3.6	26
33	MHC class I recognition by Ly49 natural killer cell receptors. <i>Molecular Immunology</i> , 2002, 38, 1023-1027.	2.2	25
34	Critical Residues at the Ly49 Natural Killer Receptor's Homodimer Interface Determine Functional Recognition of m157, a Mouse Cytomegalovirus MHC Class I-Like Protein. <i>Journal of Immunology</i> , 2007, 178, 369-377.	0.8	25
35	Structure of the Ly49 Family of Natural Killer (NK) Cell Receptors and Their Interaction With MHC Class I Molecules. <i>Immunologic Research</i> , 2004, 30, 095-104.	2.9	22
36	Structure of the saccharide-binding domain of the human natural killer cell inhibitory receptor p75/AIRM1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 401-403.	2.5	21

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37	Development of a Trispecific Antibody Designed to Simultaneously and Efficiently Target Three Different Antigens on Tumor Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 3490-3501.	4.6	20
38	Structural and functional aspects of the Ly49 natural killer cell receptors. <i>Immunology and Cell Biology</i> , 2005, 83, 1-8.	2.3	19
39	Resistance to Pyrrolobenzodiazepine Dimers Is Associated with SLFN11 Downregulation and Can Be Reversed through Inhibition of ATR. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 541-552.	4.1	18
40	Insertion of scFv into the hinge domain of full-length IgG1 monoclonal antibody results in tetravalent bispecific molecule with robust properties. <i>MAbs</i> , 2017, 9, 240-256.	5.2	16
41	Characterization of Disulfide Bond Rebridged Fabâ€“Drug Conjugates Prepared Using a Dual Maleimide Pyrrolobenzodiazepine Cytotoxic Payload. <i>ChemMedChem</i> , 2019, 14, 1185-1195.	3.2	15
42	Rational design and functional expression of a constitutively active single-chain NS4Aâ€“NS3 proteinase. <i>Folding &amp; Design</i> , 1998, 3, 433-441.	4.5	14
43	Molecular analysis and solution structure from small-angle X-ray scattering of the human natural killer inhibitory receptor IRp60 (CD300a). <i>International Journal of Biological Macromolecules</i> , 2007, 40, 193-200.	7.5	13
44	Antibody-Drug Conjugates. <i>Annual Reports in Medicinal Chemistry</i> , 2017, 50, 441-480.	0.9	13
45	Design and characterization of homogenous antibody-drug conjugates with a drug-to-antibody ratio of one prepared using an engineered antibody and a dual-maleimide pyrrolobenzodiazepine dimer. <i>MAbs</i> , 2019, 11, 500-515.	5.2	13
46	Entropically Assisted Carbohydrate Recognition by a Natural Killer Cell-Surface Receptor. <i>ChemBioChem</i> , 2004, 5, 1571-1575.	2.6	12
47	The application of mathematical modelling to the design of bispecific monoclonal antibodies. <i>MAbs</i> , 2016, 8, 585-592.	5.2	11
48	Design and Validation of Linkers for Site-Specific Preparation of Antibodyâ€“Drug Conjugates Carrying Multiple Drug Copies Per Cysteine Conjugation Site. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6882.	4.1	9
49	Generation of bispecific antibodies using chemical conjugation methods. <i>Drug Discovery Today: Technologies</i> , 2021, 40, 13-24.	4.0	9
50	Structure and Dynamics of a Site-Specific Labeled Fc Fragment with Altered Effector Functions. <i>Pharmaceutics</i> , 2019, 11, 546.	4.5	8
51	Expression, crystallization and preliminary crystallographic analysis of the extracellular IgV-like domain of the human natural killer cell inhibitory receptor p75/AIRM1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1856-1858.	2.5	7
52	Crystal structure of the C-terminal SH3 domain of the adaptor protein GADS in complex with SLP-76 motif peptide reveals a unique SH3â€“SH3 interaction. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 109-123.	2.8	7
53	Guiding bispecific monovalent antibody formation through proteolysis of IgG1 single-chain. <i>MAbs</i> , 2017, 9, 438-454.	5.2	7
54	Fab-Arm Exchange Combined with Selective Protein A Purification Results in a Platform for Rapid Preparation of Monovalent Bispecific Antibodies Directly from Culture Media. <i>Pharmaceutics</i> , 2020, 12, 3.	4.5	7

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55	Biodistribution Analyses of a Near-Infrared, Fluorescently Labeled, Bispecific Monoclonal Antibody Using Optical Imaging. <i>Comparative Medicine</i> , 2016, 66, 90-9.	1.0	7
56	Human natural killer cell receptor functions and their implication in diseases. <i>Expert Review of Clinical Immunology</i> , 2005, 1, 405-417.	3.0	6
57	Structural Features of the Full-Length Adaptor Protein GADS in Solution Determined Using Small-Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2008, 94, 1766-1772.	0.5	5
58	Characterization and in vitro data of antibody drug conjugates (ADCs) derived from heterotrifunctional linker designed for the site-specific preparation of dual ADCs. <i>Data in Brief</i> , 2018, 21, 2208-2220.	1.0	4
59	Expression, refolding and crystallizations of the Grb2-like (GADS) C-terminal SH3 domain complexed with a SLP-76 motif peptide. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 52-55.	0.7	1
60	Abstract 4596: Antibody-drug conjugates bearing pyrrolobenzodiazepine or tubulysin payloads alter the tumor immune microenvironment and synergize with multiple immunotherapies. , 2017, , .		1
61	Innate immunity in self and infectious nonself recognition. <i>Expert Review of Clinical Immunology</i> , 2005, 1, 187-190.	3.0	0
62	Preclinical Characterization of an Antibody-Drug Conjugate Targeting CS-1 and the Identification of Uncharacterized Populations of CS-1-Positive Cells. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1649-1659.	4.1	0