

Martine Pugniere

List of Publications by Year in descending order

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107
papers

3,461
citations

147801

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docs citations

110
times ranked

5034
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#	ARTICLE	IF	CITATIONS
1	Adenovirus-Î±-Defensin Complexes Induce NLRP3-Associated Maturation of Human Phagocytes via Toll-Like Receptor 4 Engagement. <i>Journal of Virology</i> , 2022, 96, jvi0185021.	3.4	9
2	New recognition specificity in a plant immune receptor by molecular engineering of its integrated domain. <i>Nature Communications</i> , 2022, 13, 1524.	12.8	47
3	Lactoferrin Retargets Human Adenoviruses to TLR4 to Induce an Abortive NLRP3-Associated Pyroptotic Response in Human Phagocytes. <i>Frontiers in Immunology</i> , 2021, 12, 685218.	4.8	16
4	Design, Synthesis and Evaluation of a Series of 1,5- <i>Diaryl</i> -1,2,3- <i>triazole</i> -4- <i>carbohydrazones</i> as Inhibitors of the YAP/TAZ/TEAD Complex. <i>ChemMedChem</i> , 2021, 16, 2823-2844.	3.2	11
5	Discovery of a cryptic site at the interface 2 of TEAD â€“ Towards a new family of YAP/TAZ-TEAD inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113835.	5.5	21
6	Development of Amino Acids Functionalized SBA-15 for the Improvement of Protein Adsorption. <i>Molecules</i> , 2021, 26, 6085.	3.8	4
7	4C3 Human Monoclonal Antibody: A Proof of Concept for Non-pathogenic Proteinase 3 Anti-neutrophil Cytoplasmic Antibodies in Granulomatosis With Polyangiitis. <i>Frontiers in Immunology</i> , 2020, 11, 573040.	4.8	6
8	Alterins Produced by Oyster-Associated Pseudoalteromonas Are Antibacterial Cyclolipopeptides with LPS-Binding Activity. <i>Marine Drugs</i> , 2020, 18, 630.	4.6	15
9	Exploration and Modulation of Antibody Fragment Biophysical Properties by Replacing the Framework Region Sequences. <i>Antibodies</i> , 2020, 9, 9.	2.5	4
10	Transportin-1 binds to the HIV-1 capsid via a nuclear localization signal and triggers uncoating. <i>Nature Microbiology</i> , 2019, 4, 1840-1850.	13.3	76
11	Targeting <i>Aspergillus fumigatus</i> Crf Transglycosylases With Neutralizing Antibody Is Relevant but Not Sufficient to Erase Fungal Burden in a Neutropenic Rat Model. <i>Frontiers in Microbiology</i> , 2019, 10, 600.	3.5	19
12	Immunotherapy of triple-negative breast cancer with cathepsin D-targeting antibodies. , 2019, 7, 29.		63
13	CCSP counterbalances airway epithelial-driven neutrophilic chemotaxis. <i>European Respiratory Journal</i> , 2019, 54, 1802408.	6.7	13
14	Binding analysis between monomeric Î²-casein and hydrophobic bioactive compounds investigated by surface plasmon resonance and fluorescence spectroscopy. <i>Food Chemistry</i> , 2019, 286, 289-296.	8.2	28
15	A recycling anti-transferrin receptor-1 monoclonal antibody as an efficient therapy for erythroleukemia through target up-regulation and antibody-dependent cytotoxic effector functions. <i>MAbs</i> , 2019, 11, 593-605.	5.2	17
16	Targeting the NRG1/HER3 pathway in tumor cells and cancer-associated fibroblasts with an anti-neuregulin 1 antibody inhibits tumor growth in pre-clinical models of pancreatic cancer. <i>Cancer Letters</i> , 2018, 432, 227-236.	7.2	37
17	PIP30/FAM192A is a novel regulator of the nuclear proteasome activator PA28Î³. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6477-E6486.	7.1	29
18	Nanofluidic fluorescence microscopy with integrated concentration gradient generation for one-shot parallel kinetic assays. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 338-342.	7.8	3

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19	Cyclophilin A enables specific HIV-1 Tat palmitoylation and accumulation in uninfected cells. <i>Nature Communications</i> , 2018, 9, 2251.	12.8	30
20	Abstract 1779: Anti-M μ 4lllerian hormone type II receptor (AMHRII), a cancer target for GM103, a novel antibody-drug conjugate (ADC)., 2018, , .		0
21	Atomic Force Microscopy Study of the Topography and Nanomechanics of Casein Micelles Captured by an Antibody. <i>Langmuir</i> , 2017, 33, 4720-4728.	3.5	11
22	Thrombospondin-1 (TSP-1), a new bone morphogenetic protein-2 and -4 (BMP-2/4) antagonist identified in pituitary cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 15352-15368.	3.4	9
23	Antibody targeting of claudin-1 as a potential colorectal cancer therapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 89.	8.6	48
24	Nanofluidic Fluorescence Microscopy (NFM) for real-time monitoring of protein binding kinetics and affinity studies. <i>Biosensors and Bioelectronics</i> , 2017, 88, 25-33.	10.1	13
25	Imidazoquinoxaline anticancer derivatives and imiquimod interact with tubulin: Characterization of molecular microtubule inhibiting mechanisms in correlation with cytotoxicity. <i>PLoS ONE</i> , 2017, 12, e0182022.	2.5	20
26	The anti-tumor efficacy of 3C23K, a glyco-engineered humanized anti-MISRII antibody, in an ovarian cancer model is mainly mediated by engagement of immune effector cells. <i>Oncotarget</i> , 2017, 8, 37061-37079.	1.8	16
27	The humanized anti-human AMHRII mAb 3C23K exerts an anti-tumor activity against human ovarian cancer through tumor-associated macrophages. <i>Oncotarget</i> , 2017, 8, 99950-99965.	1.8	14
28	IgG1 Allotypes Influence the Pharmacokinetics of Therapeutic Monoclonal Antibodies through FcRn Binding. <i>Journal of Immunology</i> , 2016, 196, 607-613.	0.8	55
29	Design and Validation of a Novel Generic Platform for the Production of Tetravalent IgG1-like Bispecific Antibodies. <i>Journal of Immunology</i> , 2016, 196, 3199-3211.	0.8	30
30	Increment in Drug Loading on an Antibody-Drug Conjugate Increases Its Binding to the Human Neonatal Fc Receptor <i>In Vitro</i> . <i>Molecular Pharmaceutics</i> , 2016, 13, 1405-1412.	4.6	22
31	Developments in SPR Fragment Screening. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 489-499.	5.0	38
32	A method to confer Protein L binding ability to any antibody fragment. <i>MAbs</i> , 2016, 8, 379-388.	5.2	23
33	Computational and biophysical approaches to protein-protein interaction inhibition of <i>Plasmodium falciparum</i> AMA1/RON2 complex. <i>Journal of Computer-Aided Molecular Design</i> , 2015, 29, 525-539.	2.9	16
34	Preclinical validation of AXL receptor as a target for antibody-based pancreatic cancer immunotherapy. <i>Oncogene</i> , 2014, 33, 5405-5414.	5.9	97
35	Anti-HER3 Domain 1 and 3 Antibodies Reduce Tumor Growth by Hindering HER2/HER3 Dimerization and AKT-Induced MDM2, XIAP, and FoxO1 Phosphorylation. <i>Neoplasia</i> , 2013, 15, 335-IN40.	5.3	34
36	Fragment-Based Identification of a Locus in the Sec7 Domain of Arno for the Design of Protein-Protein Interaction Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8497-8511.	6.4	20

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37	Kinetics of Interaction between ADP-ribosylation Factor-1 (Arf1) and the Sec7 Domain of Arno Guanine Nucleotide Exchange Factor, Modulation by Allosteric Factors, and the Uncompetitive Inhibitor Brefeldin A. <i>Journal of Biological Chemistry</i> , 2013, 288, 4659-4672.	3.4	10
38	Abstract B245: Claudin-1 (CLDN1) as a new therapeutic target in colorectal cancer: Inhibition of cell growth and survival by an anti-CLDN1 monoclonal antibody.. , 2013, , .		2
39	Abstract 2528: 3C23K: an anti-human MÃ¼llerian inhibiting substance type II receptor humanized monoclonal antibody for ovarian cancer targeted therapy. , 2012, , .		1
40	Host Cell Invasion by Apicomplexan Parasites: Insights from the Co-Structure of AMA1 with a RON2 Peptide. <i>Science</i> , 2011, 333, 463-467.	12.6	168
41	Oligomeric-Induced Activity by Thienyl Pyrimidine Compounds Traps Prion Infectivity. <i>Journal of Neuroscience</i> , 2011, 31, 14882-14892.	3.6	18
42	Phosphatidylinositol-(4,5)-bisphosphate enables efficient secretion of HIV-1 Tat by infected T-cells. <i>EMBO Journal</i> , 2010, 29, 1348-1362.	7.8	174
43	Insight into Invertebrate Defensin Mechanism of Action. <i>Journal of Biological Chemistry</i> , 2010, 285, 29208-29216.	3.4	117
44	Cyclophilin A as negative regulator of apoptosis by sequestering cytochrome c. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 325-330.	2.1	28
45	Use of a Surface Plasmon Resonance Method To Investigate Antibiotic and Plasma Protein Interactions. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1528-1531.	3.2	19
46	The Antibiotics in the Chemical Space. <i>Current Medicinal Chemistry</i> , 2009, 16, 390-393.	2.4	20
47	NMR structure of <i>ALF</i> , an anti-lipopolysaccharide factor from shrimp: Model of the possible lipid A binding site. <i>Biopolymers</i> , 2009, 91, 207-220.	2.4	76
48	Parallel acoustic detection of biological warfare agents surrogates by means of piezoelectric immunochips. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 532-538.	7.8	18
49	Llama single-domain antibodies directed against nonconventional epitopes of tumor-associated carcinoembryonic antigen absent from nonspecific cross-reacting antigen. <i>FEBS Journal</i> , 2009, 276, 3881-3893.	4.7	58
50	A llama single domain anti-idiotypic antibody mimicking HER2 as a vaccine: Immunogenicity and efficacy. <i>Vaccine</i> , 2009, 27, 4826-4833.	3.8	33
51	A homogeneous resonance energy transfer-based assay to monitor MutS/DNA interactions. <i>Analytical Biochemistry</i> , 2008, 383, 301-306.	2.4	13
52	Evidence of a bactericidal permeability increasing protein in an invertebrate, the <i>Crassostrea gigas</i> Cg-BPI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17759-17764.	7.1	124
53	Isolation and characterization of anti-FcÎ³RIII (CD16) llama single-domain antibodies that activate natural killer cells. <i>Protein Engineering, Design and Selection</i> , 2007, 21, 1-10.	2.1	75
54	Generation of llama single-domain antibodies against methotrexate, a prototypical hapten. <i>Molecular Immunology</i> , 2007, 44, 1680-1690.	2.2	88

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55	Structure-Activity Relationships of Phenyl-Furanyl-Rhodanines as Inhibitors of RNA Polymerase with Antibacterial Activity on Biofilms. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4195-4204.	6.4	74
56	Antibody-antigenic peptide interactions monitored by SPR and QCM-D. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3113-3119.	10.1	81
57	121 POSTER Isolation and characterisation of anti-idiotypic scFv antibody fragments and llama VHH domains used as a surrogate tumour antigen to elicit an anti-HER-2 humoral response in mice. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 40.	2.2	1
58	Biological activities on T lymphocytes of a baculovirus-expressed chimeric recombinant IgG1 antibody with specificity for the CDR3-like loop on the D1 domain of the CD4 molecule. <i>Clinical Immunology</i> , 2006, 119, 38-50.	3.2	9
59	Highly conserved β 216/ β 217 β 2-hairpin structure in human immunodeficiency virus type 1 YU2 gp120 is critical for CCR5 binding. <i>Journal of Molecular Medicine</i> , 2005, 83, 542-552.	3.9	9
60	Precise Characterization of the Epitope Recognized by a Monoclonal Antibody Against <i>Escherichia coli</i> RNA Polymerase. <i>Hybridoma</i> , 2005, 24, 1-5.	0.4	1
61	HcPro, a multifunctional protein encoded by a plant RNA virus, targets the 20S proteasome and affects its enzymic activities. <i>Journal of General Virology</i> , 2005, 86, 2595-2603.	2.9	87
62	Changes in the Dimeric State of Neuronal Nitric Oxide Synthase Affect the Kinetics of Secretagogue-Induced Insulin Response. <i>Diabetes</i> , 2004, 53, 1467-1474.	0.6	23
63	Directed Mutagenesis in Region 713-720 of Human Thyroperoxidase Assigns 713KFPED717 Residues as Being Involved in the B Domain of the Discontinuous Immunodominant Region Recognized by Human Autoantibodies. <i>Journal of Biological Chemistry</i> , 2004, 279, 39058-39067.	3.4	26
64	Isolation and characterisation of a human anti-idiotypic scFv used as a surrogate tumour antigen to elicit an anti-HER-2/neu humoral response in mice. <i>British Journal of Cancer</i> , 2004, 90, 2032-2041.	6.4	24
65	Fully human IgG and IgM antibodies directed against the carcinoembryonic antigen (CEA) Gold 4 epitope and designed for radioimmunotherapy (RIT) of colorectal cancers. <i>BMC Cancer</i> , 2004, 4, 75.	2.6	13
66	The anti-Mullerian hormone type II receptor: insights into the binding domains recognized by a monoclonal antibody and the natural ligand. <i>Biochemical Journal</i> , 2004, 379, 785-793.	3.7	35
67	Enhancement of radiation therapy by tumor necrosis factor alpha in human colon cancer using a bispecific antibody. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1363-1373.	0.8	16
68	Rational design of a CD4 mimic that inhibits HIV-1 entry and exposes cryptic neutralization epitopes. <i>Nature Biotechnology</i> , 2003, 21, 71-76.	17.5	182
69	Synthesis and NMR Structure of P41icf, a Potent Inhibitor of Human Cathepsin L. <i>Journal of the American Chemical Society</i> , 2003, 125, 1508-1517.	13.7	24
70	A peptide mimetic of an anti-CD4 monoclonal antibody by rational design. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 198-205.	2.1	33
71	Localization of the Discontinuous Immunodominant Region Recognized by Human Anti-thyroperoxidase Autoantibodies in Autoimmune Thyroid Diseases. <i>Journal of Biological Chemistry</i> , 2003, 278, 9560-9569.	3.4	43
72	Mapping the Paratope of Anti-CD4 Recombinant Fab 13B8.2 by Combining Parallel Peptide Synthesis and Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 14265-14273.	3.4	22

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73	Intracellular distribution of viral gene products regulates a complex mechanism of cauliflower mosaic virus acquisition by its aphid vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2422-2427.	7.1	69
74	Does fusion of domains from unrelated proteins affect their folding pathways and the structural changes involved in their function? A case study with the diphtheria toxin T domain. <i>Protein Engineering, Design and Selection</i> , 2002, 15, 383-391.	2.1	27
75	Functional Specific Binding of Testosterone to <i>Schistosoma haematobium</i> 28-Kilodalton Glutathione S-Transferase. <i>Infection and Immunity</i> , 2002, 70, 601-605.	2.2	50
76	Targeting of Human Breast Cancer by a Bispecific Antibody Directed against Two Tumour-Associated Antigens: ErbB-2 and Carcinoembryonic Antigen. <i>Tumor Biology</i> , 2002, 23, 337-347.	1.8	28
77	Characterization of monoclonal antibodies against <i>Escherichia coli</i> core RNA polymerase. <i>Biochemical Journal</i> , 2002, 361, 347.	3.7	5
78	Characterization of monoclonal antibodies against <i>Escherichia coli</i> core RNA polymerase. <i>Biochemical Journal</i> , 2002, 361, 347-354.	3.7	8
79	Casein Interactions Studied by the Surface Plasmon Resonance Technique. <i>Journal of Dairy Science</i> , 2002, 85, 2711-2721.	3.4	42
80	Expression and folding of an antibody fragment selected in vivo for high expression levels in <i>Escherichia coli</i> cytoplasm. <i>Research in Microbiology</i> , 2002, 153, 469-474.	2.1	10
81	A strategy for inducing an immune response against <i>Androctonus australis</i> scorpion venom toxin I in mice. Production of high-affinity monoclonal antibodies and their use in a sensitive two-site immunometric assay. <i>Journal of Immunological Methods</i> , 2002, 271, 37-46.	1.4	13
82	The chimeric mouse-human anti-CD4 Fab 13B8.2 expressed in baculovirus inhibits both antigen presentation and HIV-1 promoter activation. <i>Human Antibodies</i> , 2001, 10, 67-76.	1.5	13
83	Study of hydrophobic interactions between acylated proteins and phospholipid bilayers using BIACORE. <i>Journal of Molecular Recognition</i> , 2001, 14, 72-78.	2.1	8
84	Interaction of the octapeptide angiotensin II with a high-affinity single-chain Fv and with peptides derived from the antibody paratope. <i>Journal of Immunological Methods</i> , 2001, 254, 147-160.	1.4	11
85	Thyroid Peroxidase Autoantibodies Obtained from Random Single Chain Fv Libraries Contain the Same Heavy/Light Chain Combinations as Occur in Vivo. <i>Endocrinology</i> , 2001, 142, 4740-4750.	2.8	25
86	Thyroid Peroxidase Autoantibodies Obtained from Random Single Chain Fv Libraries Contain the Same Heavy/Light Chain Combinations as Occur in Vivo. <i>Endocrinology</i> , 2001, 142, 4740-4750.	2.8	7
87	Protein-disulfide Isomerase (PDI) in FRTL5 Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 1920-1929.	3.4	44
88	Affinity for the cognate monoclonal antibody of synthetic peptides derived from selection by phage display. <i>FEBS Journal</i> , 2000, 267, 1819-1829.	0.2	28
89	Human Anti-Thyroid Peroxidase Single-Chain Fragment Variable of Ig Isolated from a Combinatorial Library Assembled In-Cell: Insights into the In Vivo Situation. <i>Journal of Immunology</i> , 2000, 164, 4162-4169.	0.8	25
90	Streptabody, a high avidity molecule made by tetramerization of in vivo biotinylated, phage display-selected scFv fragments on streptavidin. <i>Molecular Immunology</i> , 2000, 37, 1067-1077.	2.2	71

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91	Low molecular weight serine protease inhibitors from insects are proteins with highly conserved sequences. <i>Insect Biochemistry and Molecular Biology</i> , 2000, 30, 145-152.	2.7	15
92	Systematic mapping of regions of human cardiac troponin I involved in binding to cardiac troponin C: N- and C-terminal low affinity contributing regions. <i>FEBS Letters</i> , 2000, 479, 99-105.	2.8	43
93	Synthetic Peptides Derived from the Variable Regions of an Anti-CD4 Monoclonal Antibody Bind to CD4 and Inhibit HIV-1 Promoter Activation in Virus-infected Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 3789-3796.	3.4	56
94	Anti-digoxin scFv fragments expressed in bacteria and in insect cells have different antigen binding properties. <i>FEBS Letters</i> , 1998, 423, 159-166.	2.8	27
95	Adsorption liquid chromatography on silica for the chiral separation of amino acids and asymmetric amines derivatized with optically active N- β -9-fluorenylmethyloxycarbonyl-amino acid-N-carboxyanhydrides. <i>Journal of Chromatography A</i> , 1997, 767, 69-75.	3.7	13
96	Pronase in amino acid technology: Optical resolution of nonproteinogenic α -amino acids. <i>Chirality</i> , 1994, 6, 472-478.	2.6	9
97	One-Step Conversion of Amino Acids into N-Menthylloxycarbonyl Alkyl Ester Derivatives for Chiral Gas Chromatography. <i>Analytical Biochemistry</i> , 1993, 214, 420-425.	2.4	21
98	Enzymatic synthesis of side chain benzyl esters of L- α -amino dicarboxylic acids. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 1015-1018.	1.8	10
99	Optical resolution of two isomeric naphthylalanines by immobilized enzymes. <i>Chirality</i> , 1991, 3, 170-173.	2.6	4
100	Specific esterase activity of subtilisin toward esters of α -haloacids. <i>Tetrahedron Letters</i> , 1990, 31, 4883-4886.	1.4	20
101	Immobilization of enzymes on alumina by means of pyridoxal 5'-phosphate. <i>Bioscience Reports</i> , 1988, 8, 263-269.	2.4	20
102	Peptide and ester synthesis in organic solvents catalyzed by seryl proteases linked to alumina. <i>Proteins: Structure, Function and Bioinformatics</i> , 1986, 1, 134-138.	2.6	19
103	Selective retention of organic phosphate esters and phosphonates on aluminium oxide. <i>Bioscience Reports</i> , 1986, 6, 477-483.	2.4	19
104	Racemization of amino acid esters by aromatic aldehydes in basic non-aqueous solvents. <i>Biotechnology Letters</i> , 1985, 7, 31-36.	2.2	3
105	Enzymatic hydrolysis of asymmetric heterocyclic amino acid derivatives. <i>Biotechnology Letters</i> , 1985, 7, 641-646.	2.2	6
106	Racemization of amino acid esters catalysed by pyridoxal 5' phosphate as a step in the production of L-amino acids. <i>Biotechnology Letters</i> , 1983, 5, 447-452.	2.2	17
107	Modulation of α -chymotrypsin specificity induced by pyridoxal. <i>Biotechnology Letters</i> , 1981, 3, 571-576.	2.2	4