

Serge V Muyldermans

List of Publications by Year in descending order

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279
papers

26,829
citations

6613

79
h-index

7348

152
g-index

291
all docs

291
docs citations

291
times ranked

16152
citing authors

#	ARTICLE	IF	CITATIONS
1	Naturally occurring antibodies devoid of light chains. <i>Nature</i> , 1993, 363, 446-448.	27.8	2,600
2	Nanobodies: Natural Single-Domain Antibodies. <i>Annual Review of Biochemistry</i> , 2013, 82, 775-797.	11.1	1,602
3	Selection and identification of single domain antibody fragments from camel heavy-chain antibodies. <i>FEBS Letters</i> , 1997, 414, 521-526.	2.8	646
4	A Versatile Nanotrap for Biochemical and Functional Studies with Fluorescent Fusion Proteins. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 282-289.	3.8	616
5	Targeting and tracing antigens in live cells with fluorescent nanobodies. <i>Nature Methods</i> , 2006, 3, 887-889.	19.0	613
6	A general protocol for the generation of Nanobodies for structural biology. <i>Nature Protocols</i> , 2014, 9, 674-693.	12.0	571
7	Molecular basis for the preferential cleft recognition by dromedary heavy-chain antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4586-4591.	7.1	541
8	Single-domain antibody fragments with high conformational stability. <i>Protein Science</i> , 2009, 11, 500-515.	7.6	501
9	Modulation of protein properties in living cells using nanobodies. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 133-138.	8.2	494
10	Crystal structure of a camel single-domain VH antibody fragment in complex with lysozyme. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 803-811.	8.2	448
11	General Strategy to Humanize a Camelid Single-domain Antibody and Identification of a Universal Humanized Nanobody Scaffold. <i>Journal of Biological Chemistry</i> , 2009, 284, 3273-3284.	3.4	441
12	The Therapeutic Potential of Nanobodies. <i>BioDrugs</i> , 2020, 34, 11-26.	4.6	435
13	Camelid immunoglobulins and nanobody technology. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 178-183.	1.2	424
14	Potent enzyme inhibitors derived from dromedary heavy-chain antibodies. <i>EMBO Journal</i> , 1998, 17, 3512-3520.	7.8	421
15	Sequence and structure of VH domain from naturally occurring camel heavy chain immunoglobulins lacking light chains. <i>Protein Engineering, Design and Selection</i> , 1994, 7, 1129-1135.	2.1	407
16	Nanobody-based products as research and diagnostic tools. <i>Trends in Biotechnology</i> , 2014, 32, 263-270.	9.3	341
17	Specific Cell Targeting with Nanobody Conjugated Branched Gold Nanoparticles for Photothermal Therapy. <i>ACS Nano</i> , 2011, 5, 4319-4328.	14.6	338
18	Efficient Cancer Therapy with a Nanobody-Based Conjugate. <i>Cancer Research</i> , 2004, 64, 2853-2857.	0.9	318

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19	Î²-Lactamase Inhibitors Derived from Single-Domain Antibody Fragments Elicited in the Camelidae. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2807-2812.	3.2	301
20	Single domain camel antibodies: current status. <i>Reviews in Molecular Biotechnology</i> , 2001, 74, 277-302.	2.8	291
21	Recognition of antigens by single-domain antibody fragments: the superfluous luxury of paired domains. <i>Trends in Biochemical Sciences</i> , 2001, 26, 230-235.	7.5	283
22	Comparison of llama VH sequences from conventional and heavy chain antibodies. <i>Molecular Immunology</i> , 1997, 34, 1121-1131.	2.2	271
23	Camel Single-domain Antibodies as Modular Building Units in Bispecific and Bivalent Antibody Constructs. <i>Journal of Biological Chemistry</i> , 2001, 276, 7346-7350.	3.4	268
24	Nanobodies and their potential applications. <i>Nanomedicine</i> , 2013, 8, 1013-1026.	3.3	252
25	Preclinical screening of anti-HER2 nanobodies for molecular imaging of breast cancer. <i>FASEB Journal</i> , 2011, 25, 2433-2446.	0.5	246
26	Camel heavy-chain antibodies: diverse germline VHH and specific mechanisms enlarge the antigen-binding repertoire. <i>EMBO Journal</i> , 2000, 19, 921-930.	7.8	243
27	Efficient Targeting of Conserved Cryptic Epitopes of Infectious Agents by Single Domain Antibodies. <i>Journal of Biological Chemistry</i> , 2004, 279, 1256-1261.	3.4	238
28	ProteomeBinders: planning a European resource of affinity reagents for analysis of the human proteome. <i>Nature Methods</i> , 2007, 4, 13-17.	19.0	231
29	Efficient tumor targeting by single-domain antibody fragments of camels. <i>International Journal of Cancer</i> , 2002, 98, 456-462.	5.1	228
30	A camelid antibody fragment inhibits the formation of amyloid fibrils by human lysozyme. <i>Nature</i> , 2003, 424, 783-788.	27.8	227
31	Prostate-specific antigen immunosensing based on mixed self-assembled monolayers, camel antibodies and colloidal gold enhanced sandwich assays. <i>Biosensors and Bioelectronics</i> , 2005, 21, 483-490.	10.1	209
32	Position and orientation of the globular domain of linker histone H5 on the nucleosome. <i>Nature</i> , 1998, 395, 402-405.	27.8	205
33	Nanobodies as novel agents for cancer therapy. <i>Expert Opinion on Biological Therapy</i> , 2005, 5, 111-124.	3.1	196
34	Nanobodies and recombinant binders in cell biology. <i>Journal of Cell Biology</i> , 2015, 209, 633-644.	5.2	195
35	Identification of a Universal VHH Framework to Graft Non-canonical Antigen-binding Loops of Camel Single-domain Antibodies. <i>Journal of Molecular Biology</i> , 2005, 352, 597-607.	4.2	194
36	Single-domain antibodies as building blocks for novel therapeutics. <i>Current Opinion in Pharmacology</i> , 2008, 8, 600-608.	3.5	173

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37	Synthesis, Preclinical Validation, Dosimetry, and Toxicity of ⁶⁸ Ga-NOTA-Anti-HER2 Nanobodies for iPET Imaging of HER2 Receptor Expression in Cancer. <i>Journal of Nuclear Medicine</i> , 2013, 54, 776-784.	5.0	173
38	Nanobodies Targeting Mouse/Human VCAM1 for the Nuclear Imaging of Atherosclerotic Lesions. <i>Circulation Research</i> , 2012, 110, 927-937.	4.5	167
39	Targeted Radionuclide Therapy with A ¹⁷⁷ Lu-labeled Anti-HER2 Nanobody. <i>Theranostics</i> , 2014, 4, 708-720.	10.0	165
40	Antibody repertoire development in camelids. <i>Developmental and Comparative Immunology</i> , 2006, 30, 187-198.	2.3	164
41	A Case Of Convergence: Why Did a Simple Alternative to Canonical Antibodies Arise in Sharks and Camels?. <i>PLoS Biology</i> , 2011, 9, e1001120.	5.6	159
42	A guide to: generation and design of nanobodies. <i>FEBS Journal</i> , 2021, 288, 2084-2102.	4.7	153
43	A single-domain antibody fragment in complex with RNase A: non-canonical loop structures and nanomolar affinity using two CDR loops. <i>Structure</i> , 1999, 7, 361-370.	3.3	150
44	Three Camelid VHH Domains in Complex with Porcine Pancreatic Î±-Amylase. <i>Journal of Biological Chemistry</i> , 2002, 277, 23645-23650.	3.4	145
45	Applications of Nanobodies. <i>Annual Review of Animal Biosciences</i> , 2021, 9, 401-421.	7.4	144
46	Emergence and evolution of functional heavy-chain antibodies in Camelidae. <i>Developmental and Comparative Immunology</i> , 2003, 27, 87-103.	2.3	143
47	Antigen Specificity and High Affinity Binding Provided by One Single Loop of a Camel Single-domain Antibody. <i>Journal of Biological Chemistry</i> , 2001, 276, 26285-26290.	3.4	141
48	Experimental therapy of African trypanosomiasis with a nanobody-conjugated human trypanolytic factor. <i>Nature Medicine</i> , 2006, 12, 580-584.	30.7	140
49	Disulfide Bond Introduction for General Stabilization of Immunoglobulin Heavy-Chain Variable Domains. <i>Journal of Molecular Biology</i> , 2008, 377, 478-488.	4.2	140
50	Site-Specific Labeling of Cysteine-Tagged Camelid Single-Domain Antibody-Fragments for Use in Molecular Imaging. <i>Bioconjugate Chemistry</i> , 2014, 25, 979-988.	3.6	135
51	Antibody Fragments as Probe in Biosensor Development. <i>Sensors</i> , 2008, 8, 4669-4686.	3.8	134
52	Functional heavy-chain antibodies in camelidae. <i>Advances in Immunology</i> , 2001, 79, 261-296.	2.2	131
53	Single domain antibodies: comparison of camel VH and camelised human VH domains. <i>Journal of Immunological Methods</i> , 1999, 231, 25-38.	1.4	127
54	A bispecific nanobody to provide full protection against lethal scorpion envenoming. <i>FASEB Journal</i> , 2010, 24, 3479-3489.	0.5	126

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55	Nanobody-Based Delivery Systems for Diagnosis and Targeted Tumor Therapy. <i>Frontiers in Immunology</i> , 2017, 8, 1442.	4.8	126
56	Generation of Single Domain Antibody Fragments Derived from Camelids and Generation of Manifold Constructs. <i>Methods in Molecular Biology</i> , 2012, 907, 145-176.	0.9	124
57	VHH, bivalent domains and chimeric Heavy chain-only antibodies with high neutralizing efficacy for scorpion toxin Aahlâ€². <i>Molecular Immunology</i> , 2008, 45, 3847-3856.	2.2	123
58	Single Domain Antibodies Derived from Dromedary Lymph Node and Peripheral Blood Lymphocytes Sensing Conformational Variants of Prostate-specific Antigen. <i>Journal of Biological Chemistry</i> , 2004, 279, 51965-51972.	3.4	120
59	Unique single-domain antigen binding fragments derived from naturally occurring camel heavy-chain antibodies. <i>Journal of Molecular Recognition</i> , 1999, 12, 131-140.	2.1	119
60	Targeted alpha therapy using short-lived alpha-particles and the promise of nanobodies as targeting vehicle. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 1035-1047.	3.1	119
61	Dual Beneficial Effect of Interloop Disulfide Bond for Single Domain Antibody Fragments. <i>Journal of Biological Chemistry</i> , 2012, 287, 1970-1979.	3.4	113
62	Crystal Structure of the Intrinsically Flexible Addiction Antidote MazE. <i>Journal of Biological Chemistry</i> , 2003, 278, 28252-28257.	3.4	109
63	Localization, mechanism and reduction of renal retention of technetiumâ€¹m labeled epidermal growth factor receptorâ€²specific nanobody in mice. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 85-92.	0.8	108
64	Engineering Camel Single-Domain Antibodies and Immobilization Chemistry for Human Prostate-Specific Antigen Sensing. <i>Analytical Chemistry</i> , 2005, 77, 7547-7555.	6.5	106
65	In Vitro Analysis and In Vivo Tumor Targeting of a Humanized, Grafted Nanobody in Mice Using Pinhole SPECT/Micro-CT. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1099-1106.	5.0	106
66	The structural basis of nanobody unfolding reversibility and thermoresistance. <i>Scientific Reports</i> , 2018, 8, 7934.	3.3	106
67	Camelid single-domain antibody-fragment engineering for (pre)clinical<i>in vivo</i> molecular imaging applications: adjusting the bullet to its target. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 1149-1160.	3.1	105
68	Nanobodies as Tools for In Vivo Imaging of Specific Immune Cell Types. <i>Journal of Nuclear Medicine</i> , 2010, 51, 782-789.	5.0	102
69	Loss of splice consensus signal is responsible for the removal of the entire CH1 domain of the functional camel IGG2A heavy-chain antibodies11This work was supported by the VLIR, VIB and FGWO.. <i>Molecular Immunology</i> , 1999, 36, 515-524.	2.2	100
70	Reduced Global Cooperativity is a Common Feature Underlying the Amyloidogenicity of Pathogenic Lysozyme Mutations. <i>Journal of Molecular Biology</i> , 2005, 346, 773-788.	4.2	100
71	Sortase Aâ€²mediated siteâ€²specific labeling of camelid singleâ€²domain antibodyâ€²fragments: a versatile strategy for multiple molecular imaging modalities. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 328-339.	0.8	100
72	Homo- and Heteronuclear Two-Dimensional NMR Studies of the Globular Domain of Histone H1: Full Assignment, Tertiary Structure, and Comparison with the Globular Domain of Histone H5. <i>Biochemistry</i> , 1994, 33, 11079-11086.	2.5	98

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73	Generation and characterization of a functional Nanobody against the vascular endothelial growth factor receptor-2; angiogenesis cell receptor. <i>Molecular Immunology</i> , 2012, 50, 35-41.	2.2	97
74	Immunogenicity Risk Profile of Nanobodies. <i>Frontiers in Immunology</i> , 2021, 12, 632687.	4.8	97
75	Canonical antigen-binding loop structures in immunoglobulins: more structures, more canonical classes?. <i>Journal of Molecular Biology</i> , 2000, 300, 83-91.	4.2	93
76	Camel single-domain antibody inhibits enzyme by mimicking carbohydrate substrate. , 1998, 32, 515-522.		92
77	An S-Layer Heavy Chain Camel Antibody Fusion Protein for Generation of a Nanopatterned Sensing Layer To Detect the Prostate-Specific Antigen by Surface Plasmon Resonance Technology. <i>Bioconjugate Chemistry</i> , 2004, 15, 664-671.	3.6	92
78	Antigen Binding and Solubility Effects upon the Veneering of a Camel VHH in Framework-2 to Mimic a VH. <i>Journal of Molecular Biology</i> , 2005, 350, 112-125.	4.2	90
79	Radiolabeled nanobodies as theranostic tools in targeted radionuclide therapy of cancer. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1939-1954.	5.0	88
80	Structural Insights into Polymorphic ABO Glycan Binding by <i>Helicobacter pylori</i> . <i>Cell Host and Microbe</i> , 2016, 19, 55-66.	11.0	88
81	Nanobodies as Probes for Protein Dynamics in Vitro and in Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 3767-3775.	3.4	84
82	The specific variable domain of camel heavy-chain antibodies is encoded in the germline. <i>Journal of Molecular Biology</i> , 1998, 275, 413-418.	4.2	83
83	Nanobody-coupled microbubbles as novel molecular tracer. <i>Journal of Controlled Release</i> , 2012, 158, 346-353.	9.9	78
84	Nanobodies [®] : proficient tools in diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 777-785.	3.1	75
85	Introduction to Heavy Chain Antibodies and Derived Nanobodies. , 2012, 911, 15-26.		75
86	Animal Immunization, in Vitro Display Technologies, and Machine Learning for Antibody Discovery. <i>Trends in Biotechnology</i> , 2021, 39, 1263-1273.	9.3	74
87	Nanobodies, a promising tool for species-specific diagnosis of <i>Taenia solium</i> cysticercosis. <i>International Journal for Parasitology</i> , 2009, 39, 625-633.	3.1	72
88	Ultrasensitive Measurement of Ca ²⁺ Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7750-7754.	13.8	72
89	Development of ¹⁷⁷ Lu-εnanobodies for radioimmunotherapy of HER2-εpositive breast cancer: evaluation of different bifunctional chelators. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 254-264.	0.8	70
90	A Novel Promiscuous Class of Camelid Single-Domain Antibody Contributes to the Antigen-Binding Repertoire. <i>Journal of Immunology</i> , 2010, 184, 5696-5704.	0.8	68

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91	Development of VEGFR2-specific Nanobody Pseudomonas exotoxin A conjugated to provide efficient inhibition of tumor cell growth. <i>New Biotechnology</i> , 2013, 30, 205-209.	4.4	68
92	Imaging and radioimmunotherapy of multiple myeloma with anti-idiotypic Nanobodies. <i>Leukemia</i> , 2014, 28, 444-447.	7.2	68
93	Chemical Basis for the Affinity Maturation of a Camel Single Domain Antibody. <i>Journal of Biological Chemistry</i> , 2004, 279, 53593-53601.	3.4	66
94	Heating as a rapid purification method for recovering correctly-folded thermotolerant VH and VHH domains. <i>BMC Biotechnology</i> , 2007, 7, 7.	3.3	66
95	Engineering a Camelid Antibody Fragment That Binds to the Active Site of Human Lysozyme and Inhibits Its Conversion into Amyloid Fibrils. <i>Biochemistry</i> , 2008, 47, 11041-11054.	2.5	66
96	Nanoimmunoassay onto a screen printed electrode for HER2 breast cancer biomarker determination. <i>Talanta</i> , 2014, 130, 164-170.	5.5	66
97	A nanobody-based electrochemiluminescent immunosensor for sensitive detection of human prolactin. <i>Analyst</i> , 2014, 139, 3718.	3.5	66
98	Heavy-chain antibodies in Camelidae ; a case of evolutionary innovation. <i>Immunogenetics</i> , 2002, 54, 39-47.	2.4	64
99	Soluble aggregates present in cerebrospinal fluid change in size and mechanism of toxicity during Alzheimer's disease progression. <i>Acta Neuropathologica Communications</i> , 2019, 7, 120.	5.2	64
100	Parallel selection of multiple anti-infectome Nanobodies without access to purified antigens. <i>Journal of Immunological Methods</i> , 2008, 329, 138-150.	1.4	61
101	Understanding the Significance and Implications of Antibody Numbering and Antigen-Binding Surface/Residue Definition. <i>Frontiers in Immunology</i> , 2018, 9, 2278.	4.8	60
102	Homo- and heteronuclear two-dimensional NMR studies of the globular domain of histone H1: Sequential assignment and secondary structure. <i>Biochemistry</i> , 1993, 32, 11345-11351.	2.5	58
103	High Affinity Nanobodies against the Trypanosome brucei VSG Are Potent Trypanolytic Agents that Block Endocytosis. <i>PLoS Pathogens</i> , 2011, 7, e1002072.	4.7	58
104	Generation of a Functional Monomolecular Protein Lattice Consisting of an S-Layer Fusion Protein Comprising the Variable Domain of a Camel Heavy Chain Antibody. <i>Bioconjugate Chemistry</i> , 2003, 14, 440-448.	3.6	57
105	Generation and characterization of nanobodies targeting PSMA for molecular imaging of prostate cancer. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 211-220.	0.8	57
106	Theranostic Radiolabeled Anti-CD20 sdAb for Targeted Radionuclide Therapy of Non-Hodgkin Lymphoma. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2828-2839.	4.1	57
107	Identification of potent nanobodies to neutralize the most poisonous polypeptide from scorpion venom. <i>Biochemical Journal</i> , 2009, 424, 263-272.	3.7	56
108	Structure of cyclin G-associated kinase (GAK) trapped in different conformations using nanobodies. <i>Biochemical Journal</i> , 2014, 459, 59-69.	3.7	56

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109	Single-Domain Antibodies Targeting Neuraminidase Protect against an H5N1 Influenza Virus Challenge. <i>Journal of Virology</i> , 2014, 88, 8278-8296.	3.4	56
110	Nanobody-mediated resistance to Grapevine fanleaf virus in plants. <i>Plant Biotechnology Journal</i> , 2018, 16, 660-671.	8.3	55
111	DNA Sequence Organization in Chromatosomes. <i>Journal of Molecular Biology</i> , 1994, 235, 855-870.	4.2	54
112	Surface display of a single-domain antibody library on Gram-positive bacteria. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1081-1093.	5.4	53
113	Strong in Vivo Maturation Compensates for Structurally Restricted H3 Loops in Antibody Repertoires. <i>Journal of Biological Chemistry</i> , 2005, 280, 14114-14121.	3.4	52
114	Correlation Between Epidermal Growth Factor Receptor-Specific Nanobody Uptake and Tumor Burden: A Tool for Noninvasive Monitoring of Tumor Response to Therapy. <i>Molecular Imaging and Biology</i> , 2011, 13, 940-948.	2.6	51
115	Minimum information about a protein affinity reagent (MIAPAR). <i>Nature Biotechnology</i> , 2010, 28, 650-653.	17.5	50
116	Development of a Nanobody-based lateral flow assay to detect active Trypanosoma congolense infections. <i>Scientific Reports</i> , 2018, 8, 9019.	3.3	49
117	Degenerate interfaces in antigen-antibody complexes. <i>Journal of Molecular Biology</i> , 2001, 313, 473-478.	4.2	48
118	Direct Injection of Functional Single-Domain Antibodies from E. coli into Human Cells. <i>PLoS ONE</i> , 2010, 5, e15227.	2.5	48
119	A recombinant dromedary antibody fragment (VHH or nanobody) directed against human Duffy antigen receptor for chemokines. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3371-3387.	5.4	47
120	Molecular Imaging with Macrophage CR1g-Targeting Nanobodies for Early and Preclinical Diagnosis in a Mouse Model of Rheumatoid Arthritis. <i>Journal of Nuclear Medicine</i> , 2014, 55, 824-829.	5.0	47
121	Distinct antibody species: structural differences creating therapeutic opportunities. <i>Current Opinion in Immunology</i> , 2016, 40, 7-13.	5.5	47
122	Kinetic and Affinity Predictions of a Protein-Protein Interaction Using Multivariate Experimental Design. <i>Journal of Biological Chemistry</i> , 2002, 277, 29897-29907.	3.4	46
123	A bacterial-two-hybrid selection system for one-step isolation of intracellularly functional Nanobodies. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 114-123.	3.0	46
124	Formation, stability and core histone positioning of nucleosomes reassembled on bent and other nucleosome-derived DNA. <i>Journal of Molecular Biology</i> , 1989, 207, 183-192.	4.2	45
125	Nanobodies As Novel Agents for Targeting Angiogenesis in Solid Cancers. <i>Frontiers in Immunology</i> , 2017, 8, 1746.	4.8	45
126	Evaluation of a nanobody phage display library constructed from a Brucella-immunised camel. <i>Veterinary Immunology and Immunopathology</i> , 2011, 142, 49-56.	1.2	44

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127	Differentially expressed proteins in glioblastoma multiforme identified with a nanobody-based anti-proteome approach and confirmed by OncoFinder as possible tumor-class predictive biomarker candidates. <i>Oncotarget</i> , 2017, 8, 44141-44158.	1.8	44
128	Using microdialysis to analyse the passage of monovalent nanobodies through the blood-brain barrier. <i>British Journal of Pharmacology</i> , 2012, 165, 2341-2353.	5.4	42
129	A Nanobody Binding to Non-Amyloidogenic Regions of the Protein Human Lysozyme Enhances Partial Unfolding but Inhibits Amyloid Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13245-13258.	2.6	42
130	Individual aggregates of amyloid beta induce temporary calcium influx through the cell membrane of neuronal cells. <i>Scientific Reports</i> , 2016, 6, 31910.	3.3	42
131	A nanobody-based tracer targeting DPP6 for non-invasive imaging of human pancreatic endocrine cells. <i>Scientific Reports</i> , 2017, 7, 15130.	3.3	41
132	Generation and characterization of inhibitory nanobodies towards thrombin activatable fibrinolysis inhibitor. <i>Journal of Thrombosis and Haemostasis</i> , 2010, 8, 1302-1312.	3.8	40
133	Emerging site-specific bioconjugation strategies for radioimmuno-tracer development. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1149-1163.	5.0	40
134	Upon the observation of superbeads in chromatin. <i>Nucleic Acids Research</i> , 1980, 8, 2165-2172.	14.5	39
135	In vitro antiviral activity of single domain antibody fragments against poliovirus. <i>Antiviral Research</i> , 2010, 87, 257-264.	4.1	38
136	Exploiting sequence and stability information for directing nanobody stability engineering. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2196-2205.	2.4	38
137	Identification of Useful Nanobodies by Phage Display of Immune Single Domain Libraries Derived from Camelid Heavy Chain Antibodies. <i>Current Pharmaceutical Design</i> , 2017, 22, 6500-6518.	1.9	37
138	A DNA Sequence for Positioning Chromatosomes. <i>Journal of Molecular Biology</i> , 1996, 257, 486-491.	4.2	36
139	Limiting the protein corona: A successful strategy for in vivo active targeting of anti-HER2 nanobody-functionalized nanostars. <i>Biomaterials</i> , 2017, 123, 15-23.	11.4	36
140	Functionalization of gold nanoparticles with nanobodies through physical adsorption. <i>Analytical Methods</i> , 2017, 9, 3430-3440.	2.7	36
141	Selection of specific nanobodies to develop an immuno-assay detecting <i>Staphylococcus aureus</i> in milk. <i>Food Chemistry</i> , 2021, 353, 129481.	8.2	36
142	VHH (nanobody) directed against human glycoporphin A: A tool for autologous red cell agglutination assays. <i>Analytical Biochemistry</i> , 2013, 438, 82-89.	2.4	35
143	Inactivation of β -secretases leads to accumulation of substrates and non-Alzheimer neurodegeneration. <i>EMBO Molecular Medicine</i> , 2017, 9, 1088-1099.	6.9	35
144	Differences in rearrangements of H1 and H5 in chicken erythrocyte chromatin. <i>Biochemistry</i> , 1981, 20, 1104-1110.	2.5	33

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145	Interactions between Metal-binding Domains Modulate Intracellular Targeting of Cu(I)-ATPase ATP7B, as Revealed by Nanobody Binding. <i>Journal of Biological Chemistry</i> , 2014, 289, 32682-32693.	3.4	33
146	Camelid nanobodies with high affinity for broad bean mottle virus: a possible promising tool to immunomodulate plant resistance against viruses. <i>Plant Molecular Biology</i> , 2015, 87, 355-369.	3.9	33
147	An overview on display systems (phage, bacterial, and yeast display) for production of anticancer antibodies; advantages and disadvantages. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 421-442.	7.5	33
148	A Camelid-derived Antibody Fragment Targeting the Active Site of a Serine Protease Balances between Inhibitor and Substrate Behavior. <i>Journal of Biological Chemistry</i> , 2016, 291, 15156-15168.	3.4	32
149	Different residues in periplasmic domains of the CcmC inner membrane protein of <i>Pseudomonas fluorescens</i> ATCC 17400 are critical for cytochrome c biogenesis and pyoverdine-mediated iron uptake. <i>Molecular Microbiology</i> , 1998, 30, 547-555.	2.5	31
150	Development of Cys38 knock-out and humanized version of NbAahlI10 nanobody with improved neutralization of AahlI Scorpion toxin. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 727-735.	2.1	30
151	An Anti-proteome Nanobody Library Approach Yields a Specific Immunoassay for <i>Trypanosoma congolense</i> Diagnosis Targeting Glycosomal Aldolase. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004420.	3.0	30
152	Nanobodies as novel therapeutic agents in envenomation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2955-2965.	2.4	30
153	Chaperonin GroEL a <i>Brucella</i> immunodominant antigen identified using Nanobody and MALDI-TOF-MS technologies. <i>Veterinary Immunology and Immunopathology</i> , 2012, 146, 254-263.	1.2	29
154	Application of Single-Domain Antibodies (Nanobodies) to Laboratory Diagnosis. <i>Annals of Laboratory Medicine</i> , 2021, 41, 549-558.	2.5	29
155	Neutron scattering studies of chromatosomes. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 810-816.	2.1	28
156	Camelid nanobodies raised against an integral membrane enzyme, nitric oxide reductase. <i>Protein Science</i> , 2009, 18, 619-628.	7.6	28
157	Development of Nanobodies Against Hemorrhagic and Myotoxic Components of <i>Bothrops atrox</i> Snake Venom. <i>Frontiers in Immunology</i> , 2020, 11, 655.	4.8	28
158	Heavy-chain only antibodies derived from dromedary are secreted and displayed by mouse B cells. <i>Immunology</i> , 2003, 109, 93-101.	4.4	27
159	Expression of a Dromedary Heavy Chain-Only Antibody and B Cell Development in the Mouse. <i>Journal of Immunology</i> , 2005, 175, 3769-3779.	0.8	27
160	Pre-clinical studies of toxin-specific Nanobodies: Evidence of in vivo efficacy to prevent fatal disturbances provoked by scorpion envenoming. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 222-231.	2.8	27
161	Monitoring liver macrophages using nanobodies targeting Vsig4: Concanavalin A induced acute hepatitis as paradigm. <i>Immunobiology</i> , 2015, 220, 200-209.	1.9	27
162	Discovery of a novel conformational equilibrium in urokinase-type plasminogen activator. <i>Scientific Reports</i> , 2017, 7, 3385.	3.3	27

#	ARTICLE	IF	CITATIONS
163	Novel half-life extended anti-MIF nanobodies protect against endotoxic shock. <i>FASEB Journal</i> , 2018, 32, 3411-3422.	0.5	27
164	Mechanisms Underlying Connexin Hemichannel Activation in Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3503.	4.1	27
165	Generation and characterization of non-competitive furin-inhibiting nanobodies. <i>Biochemical Journal</i> , 2012, 448, 73-82.	3.7	26
166	TRIM28 and β -Actin Identified via Nanobody-Based Reverse Proteomics Approach as Possible Human Glioblastoma Biomarkers. <i>PLoS ONE</i> , 2014, 9, e113688.	2.5	26
167	Generation of a Nanobody Targeting the Paraflagellar Rod Protein of Trypanosomes. <i>PLoS ONE</i> , 2014, 9, e115893.	2.5	26
168	Molecular analysis of heavy chain-only antibodies of <i>Camelus bactrianus</i> . <i>Biochemistry (Moscow)</i> , 2014, 79, 1382-1390.	1.5	26
169	A camelid antibody candidate for development of a therapeutic agent against <i>Hemiscorpius lepturus</i> envenomation. <i>FASEB Journal</i> , 2014, 28, 4004-4014.	0.5	26
170	Construction of High-Quality Camel Immune Antibody Libraries. <i>Methods in Molecular Biology</i> , 2018, 1701, 169-187.	0.9	26
171	The Development and Validation of a Novel Nanobody-Based Competitive ELISA for the Detection of Foot and Mouth Disease 3ABC Antibodies in Cattle. <i>Frontiers in Veterinary Science</i> , 2018, 5, 250.	2.2	26
172	The structural organization of dinucleosomes and oligonucleosomes. Electric dichroism and birefringence study. <i>Nucleic Acids Research</i> , 1981, 9, 5763-5784.	14.5	25
173	Nanobody [®] -based chromatin immunoprecipitation/micro-array analysis for genome-wide identification of transcription factor DNA binding sites. <i>Nucleic Acids Research</i> , 2013, 41, e59-e59.	14.5	25
174	Specific Targeting of Atherosclerotic Plaques in ApoE ^{-/-} /A ^{-/-} Mice Using a New Camelid sdAb Binding the Vulnerable Plaque Marker LOX-1. <i>Molecular Imaging and Biology</i> , 2014, 16, 690-698.	2.6	25
175	Development of a mono-specific anti-VEGF bivalent nanobody with extended plasma half-life for treatment of pathologic neovascularization. <i>Drug Testing and Analysis</i> , 2020, 12, 92-100.	2.6	25
176	^{99m} Tc-Labeled Nanobodies: A New Type of Targeted Probes for Imaging Antigen Expression. <i>Current Radiopharmaceuticals</i> , 2008, 1, 37-41.	0.8	24
177	Molecular Imaging with Kupffer Cell-Targeting Nanobodies for Diagnosis and Prognosis in Mouse Models of Liver Pathogenesis. <i>Molecular Imaging and Biology</i> , 2017, 19, 49-58.	2.6	24
178	DNA recombination associated with short direct repeats in <i>Leishmania mexicana</i> M379. <i>Molecular and Biochemical Parasitology</i> , 1992, 50, 351-353.	1.1	23
179	Structural evaluation of a nanobody targeting complement receptor Vsig4 and its cross reactivity. <i>Immunobiology</i> , 2017, 222, 807-813.	1.9	23
180	Epitope structure and binding affinity of single chain llama anti- β -amyloid antibodies revealed by proteolytic excision affinity-mass spectrometry. <i>Journal of Molecular Recognition</i> , 2013, 26, 1-9.	2.1	22

#	ARTICLE	IF	CITATIONS
181	Identification and characterization of a novel nanobody against human placental growth factor to modulate angiogenesis. <i>Molecular Immunology</i> , 2016, 78, 183-192.	2.2	22
182	Chromosome rearrangement in <i>Leishmania mexicana</i> M379. <i>Molecular and Biochemical Parasitology</i> , 1991, 46, 53-60.	1.1	21
183	Cloning and characterization of the dromedary (<i>Camelus dromedarius</i>) neonatal Fc receptor (drFcRn). <i>Developmental and Comparative Immunology</i> , 2006, 30, 1203-1215.	2.3	21
184	TAFIa inhibiting nanobodies as profibrinolytic tools and discovery of a new TAFIa conformation. <i>Journal of Thrombosis and Haemostasis</i> , 2011, 9, 2268-2277.	3.8	21
185	The genome-wide binding profile of the <i>Sulfolobus solfataricus</i> transcription factor Ss-LrpB shows binding events beyond direct transcription regulation. <i>BMC Genomics</i> , 2013, 14, 828.	2.8	21
186	Expanded target and cofactor repertoire for the transcriptional activator LysM from <i>Sulfolobus</i> . <i>Nucleic Acids Research</i> , 2013, 41, 2932-2949.	14.5	21
187	Pharmacokinetics of radiolabeled dimeric sdAbs constructs targeting human CD20. <i>New Biotechnology</i> , 2018, 45, 69-79.	4.4	21
188	Glioblastoma-specific anti-TUFM nanobody for <i>in-vitro</i> immunoimaging and cancer stem cell targeting. <i>Oncotarget</i> , 2018, 9, 17282-17299.	1.8	21
189	Differential association of linker histones H1 and H5 with telomeric nucleosomes in chicken erythrocytes. <i>Nucleic Acids Research</i> , 1994, 22, 5635-5639.	14.5	20
190	Inhibiting the Ca ²⁺ Influx Induced by Human CSF. <i>Cell Reports</i> , 2017, 21, 3310-3316.	6.4	20
191	Nanobody-Based high-performance immunosorbent for selective beta 2-microglobulin purification from blood. <i>Acta Biomaterialia</i> , 2020, 107, 232-241.	8.3	20
192	Direct Immobilization of Engineered Nanobodies on Gold Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17353-17360.	8.0	20
193	Antibody technology in proteomics. <i>Briefings in Functional Genomics & Proteomics</i> , 2008, 7, 275-282.	3.8	19
194	Structural Basis for the Specific Neutralization of Stx2a with a Camelid Single Domain Antibody Fragment. <i>Toxins</i> , 2018, 10, 108.	3.4	19
195	Identification of New DR5 Agonistic Nanobodies and Generation of Multivalent Nanobody Constructs for Cancer Treatment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4818.	4.1	19
196	A Synthetic Camel Anti-Lysozyme Peptide Antibody (Peptibody) with Flexible Loop Structure Identified by High-Resolution Affinity Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2006, 12, 1915-1923.	3.3	18
197	Blocking EGFR Activation with Anti-EGF Nanobodies via Two Distinct Molecular Recognition Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13843-13847.	13.8	18
198	Fast One-Step Ultrasensitive Detection of <i>Toxocara canis</i> Antigens by a Nanobody-Based Electrochemical Magnetosensor. <i>Analytical Chemistry</i> , 2019, 91, 11582-11588.	6.5	18

#	ARTICLE	IF	CITATIONS
199	Identification of Nanobodies against the Acute Myeloid Leukemia Marker CD33. <i>International Journal of Molecular Sciences</i> , 2020, 21, 310.	4.1	18
200	Imaging of Glioblastoma Tumor-Associated Myeloid Cells Using Nanobodies Targeting Signal Regulatory Protein Alpha. <i>Frontiers in Immunology</i> , 2021, 12, 777524.	4.8	18
201	Cytoplasmic versus periplasmic expression of site-specifically and bioorthogonally functionalized nanobodies using expressed protein ligation. <i>Protein Expression and Purification</i> , 2017, 133, 25-34.	1.3	16
202	Llama peripheral B-cell populations producing conventional and heavy chain-only IgG subtypes are phenotypically indistinguishable but immunogenetically distinct. <i>Immunogenetics</i> , 2019, 71, 307-320.	2.4	16
203	An innovative approach in the detection of <i>Toxocara canis</i> excretory/secretory antigens using specific nanobodies. <i>International Journal for Parasitology</i> , 2019, 49, 635-645.	3.1	16
204	Development of anti-matrix metalloproteinase-2 (MMP-2) nanobodies as potential therapeutic and diagnostic tools. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102103.	3.3	16
205	Design of a humanized anti vascular endothelial growth factor nanobody and evaluation of its function. <i>Iranian Journal of Basic Medical Sciences</i> , 2018, 21, 260-266.	1.0	16
206	Isolation of Antigen-Specific Nanobodies. , 2010, , 251-266.		15
207	Generation of Anti-infectome/Anti-proteome Nanobodies. <i>Methods in Molecular Biology</i> , 2011, 790, 239-259.	0.9	15
208	Affinity Is an Important Determinant of the Anti-Trypanosome Activity of Nanobodies. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1902.	3.0	15
209	Structural basis for the high specificity of a <i>Trypanosoma congolense</i> immunoassay targeting glycosomal aldolase. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005932.	3.0	15
210	Unbiased Immunization Strategy Yielding Specific Nanobodies against Macadamia Allergen of Vicilin-like Protein for Immunoassay Development. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5178-5188.	5.2	15
211	Identification of a novel, nanobody-induced, mechanism of TAFI inactivation and its in vivo application. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 229-236.	3.8	14
212	Generation of VHH antibodies against the <i>Arabidopsis thaliana</i> seed storage proteins. <i>Plant Molecular Biology</i> , 2014, 84, 83-93.	3.9	14
213	Generation and in vitro characterisation of inhibitory nanobodies towards plasminogen activator inhibitor 1. <i>Thrombosis and Haemostasis</i> , 2016, 116, 1032-1040.	3.4	14
214	Non-canonical roles of connexins. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 153, 35-41.	2.9	14
215	A simple quantitative affinity capturing assay of poliovirus antigens and subviral particles by single-domain antibodies using magnetic beads. <i>Journal of Virological Methods</i> , 2011, 173, 300-305.	2.1	13
216	Resolution of an immunodiagnostic dilemma: Heavy chain chimeric antibodies for species in which plasmacytomas are unknown. <i>Molecular Immunology</i> , 2013, 53, 140-148.	2.2	13

#	ARTICLE	IF	CITATIONS
217	Therapeutic Nanobodies Targeting Cell Plasma Membrane Transport Proteins: A High-Risk/High-Gain Endeavor. <i>Biomolecules</i> , 2021, 11, 63.	4.0	13
218	AAV-mediated delivery of an anti-ACE1 VHH alleviates pathology in an Alzheimer's disease model. <i>EMBO Molecular Medicine</i> , 2022, 14, e09824.	6.9	13
219	Influence of histones H1/H5 on the DNA coiling in the nucleosome – electric dichroism and birefringence study. <i>International Journal of Biological Macromolecules</i> , 1981, 3, 370-376.	7.5	12
220	A phage-displayed single domain antibody fused to alkaline phosphatase for detection of porcine circovirus type 2. <i>Journal of Virological Methods</i> , 2015, 213, 84-92.	2.1	12
221	Paradigm shift in the diagnosis of peste des petits ruminants: scoping review. <i>Acta Veterinaria Scandinavica</i> , 2020, 62, 7.	1.6	12
222	Scatter analysis of discrete-sized chromatin fragments favours a cylindrical organization. <i>FEBS Journal</i> , 1985, 151, 283-289.	0.2	11
223	Isolation and characterization of single-chain Fv genes encoding antibodies specific for <i>Drosophila</i> Poxn protein. <i>FEBS Letters</i> , 1998, 437, 75-80.	2.8	11
224	Nanobodies, Single-Domain Antigen-Binding Fragments of Camelid Heavy-Chain Antibodies. , 2010, , 29-48.		11
225	Expression, purification and X-ray crystallographic analysis of the <i>Helicobacter pylori</i> blood group antigen-binding adhesin BabA. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1631-1635.	0.8	11
226	Specificity Evaluation and Disease Monitoring in Arthritis Imaging with Complement Receptor of the Ig superfamily targeting Nanobodies. <i>Scientific Reports</i> , 2016, 6, 35966.	3.3	11
227	Combinatorial Design of a Nanobody that Specifically Targets Structured RNAs. <i>Journal of Molecular Biology</i> , 2018, 430, 1652-1670.	4.2	11
228	Site-Specific Radioactive Labeling of Nanobodies. <i>Methods in Molecular Biology</i> , 2018, 1827, 505-540.	0.9	11
229	NIRF-Molecular Imaging with Synovial Macrophages-Targeting Vsig4 Nanobody for Disease Monitoring in a Mouse Model of Arthritis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3347.	4.1	11
230	Liposomal delivery of vascular endothelial growth factor/receptors and their inhibitors. <i>Journal of Drug Targeting</i> , 2020, 28, 379-385.	4.4	11
231	Recent developments in engineering and delivery of protein and antibody therapeutics. <i>Current Opinion in Biotechnology</i> , 2011, 22, 839-842.	6.6	10
232	In vitro and in vivo characterisation of the profibrinolytic effect of an inhibitory anti-rat TAFI nanobody. <i>Thrombosis and Haemostasis</i> , 2014, 111, 824-832.	3.4	10
233	Structural basis of nanobody recognition of grapevine fanleaf virus and of virus resistance loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10848-10855.	7.1	10
234	Nanobody-Based Immunosensor Detection Enhanced by Photocatalytic-Electrochemical Redox Cycling. <i>Analytical Chemistry</i> , 2021, 93, 13606-13614.	6.5	10

#	ARTICLE	IF	CITATIONS
235	Assembly of oligonucleosomes into a limit series of multimeric higher-order chromatin structures. <i>FEBS Journal</i> , 1985, 150, 441-442.	0.2	9
236	Limitations of the poly(glutamic acid) reconstitution method in the reassembly of mono- and dinucleosomes. <i>Biochemistry</i> , 1986, 25, 5043-5051.	2.5	9
237	Bacterial Two Hybrid: A Versatile One-Step Intracellular Selection Method. , 2012, 911, 135-150.		9
238	Development of a high affinity Affibody-derived protein against amyloid β peptide for future Alzheimer's disease therapy. <i>Biotechnology Journal</i> , 2015, 10, 1668-1669.	3.5	9
239	Ultrasensitive Measurement of Ca^{2+} Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie</i> , 2017, 129, 7858-7862.	2.0	9
240	CS1-specific single-domain antibodies labeled with Actinium-225 prolong survival and increase CD8+ T cells and PD-L1 expression in Multiple Myeloma. <i>Oncimmunology</i> , 2021, 10, 2000699.	4.6	9
241	Putative regulatory sequences for the transcription of mini-exons in <i>Trypanosoma brucei</i> as revealed by S1 sensitivity. <i>Gene</i> , 1985, 36, 263-270.	2.2	8
242	Immunological Aspects of Scorpion Toxins: Current Status and Perspectives. <i>Inflammation and Allergy: Drug Targets</i> , 2011, 10, 358-368.	1.8	8
243	Selection of Specific Nanobodies against Lupine Allergen Lup an 1 for Immunoassay Development. <i>Foods</i> , 2021, 10, 2428.	4.3	8
244	The crystal structure of recombinant rat pancreatic RNase A. , 1999, 35, 1-12.		7
245	Structure and Function of Camelid VHH. , 2016, , 153-159.		7
246	Protection of discrete DNA fragments by the complex H1-octamerhistones or H5-octamerhistones after micrococcal nuclease digestion. <i>Nucleic Acids Research</i> , 1981, 9, 3671-3680.	14.5	6
247	The regulated expression of an intrabody produces a mutant phenotype in <i>Drosophila</i> . <i>FEBS Letters</i> , 1998, 437, 81-86.	2.8	6
248	Development and Characterization of Nanobodies Targeting the Kupffer Cell. <i>Frontiers in Immunology</i> , 2021, 12, 641819.	4.8	6
249	Comparative filter binding study of H5 to nucleosome core particles, H1, H5 depleted chromatosomes and DNA fragments. <i>Molecular Biology Reports</i> , 1989, 13, 191-196.	2.3	5
250	Heavy-Chain-Only Antibody Expression and B-Cell Development in the Mouse. <i>Critical Reviews in Immunology</i> , 2006, 26, 377-390.	0.5	5
251	Generation of Nanobodies against SlyD and development of tools to eliminate this bacterial contaminant from recombinant proteins. <i>Protein Expression and Purification</i> , 2017, 137, 64-76.	1.3	5
252	Electrochemical detection of <i>Toxocara canis</i> excretory-secretory antigens in children from rural communities in Esmeraldas Province, Ecuador: association between active infection and high eosinophilia. <i>Parasites and Vectors</i> , 2020, 13, 245.	2.5	5

#	ARTICLE	IF	CITATIONS
253	Reshaping nanobodies for affinity purification on protein a. <i>New Biotechnology</i> , 2020, 57, 20-28.	4.4	5
254	Development of Nanobodies against Mal de R�o Cuarto virus major viroplasm protein P9-1 for diagnostic sandwich ELISA and immunodetection. <i>Scientific Reports</i> , 2021, 11, 20013.	3.3	5
255	Development of Neutralizing Multimeric Nanobody Constructs Directed against IL-13: From Immunization to Lead Optimization. <i>Journal of Immunology</i> , 2021, 207, 2608-2620.	0.8	5
256	Complete Genome Sequencing of Field Isolates of Peste des Petits Ruminants Virus from Tanzania Revealed a High Nucleotide Identity with Lineage III PPR Viruses. <i>Animals</i> , 2021, 11, 2976.	2.3	5
257	Versatile Application of Nanobodies for Food Allergen Detection and Allergy Immunotherapy. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8901-8912.	5.2	5
258	Increased Expression of Adherens Junction Components in Mouse Liver following Bile Duct Ligation. <i>Biomolecules</i> , 2019, 9, 636.	4.0	4
259	Development of Nanobodies Targeting Peste des Petits Ruminants Virus: The Prospect in Disease Diagnosis and Therapy. <i>Animals</i> , 2021, 11, 2206.	2.3	4
260	Site-Selective Functionalization of Nanobodies Using Intein-Mediated Protein Ligation for Innovative Bioconjugation. <i>Methods in Molecular Biology</i> , 2019, 2033, 117-130.	0.9	4
261	Neutralizing Dromedary-Derived Nanobodies Against BotI-Like Toxin From the Most Hazardous Scorpion Venom in the Middle East and North Africa Region. <i>Frontiers in Immunology</i> , 2022, 13, 863012.	4.8	4
262	Preparation and purification of mononucleosome particles containing histone H5. <i>FEBS Letters</i> , 1980, 119, 93-96.	2.8	3
263	Single-Domain Antibodies. , 0, , 216-230.		3
264	Nanobody-Based Chromatin Immunoprecipitation. , 2012, 911, 491-505.		3
265	Dromedary immune response and specific Kv2.1 antibody generation using a specific immunization approach. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 167-171.	7.5	3
266	Unique single-domain antigen binding fragments derived from naturally occurring camel heavy-chain antibodies. <i>Journal of Molecular Recognition</i> , 1999, 12, 131-140.	2.1	3
267	Wheat germ in vitro translation to produce one of the most toxic sodium channel specific toxins. <i>Bioscience Reports</i> , 2014, 34, .	2.4	2
268	Blocking EGFR Activation with Anti-EGF Nanobodies via Two Distinct Molecular Recognition Mechanisms. <i>Angewandte Chemie</i> , 2018, 130, 14039-14043.	2.0	2
269	Intrabody Targeting HIF-1� Mediates Transcriptional Downregulation of Target Genes Related to Solid Tumors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12335.	4.1	2
270	Sensitive Protein Detection Using Site-Specifically Oligonucleotide-Conjugated Nanobodies. <i>Analytical Chemistry</i> , 2022, 94, 10054-10061.	6.5	2

#	ARTICLE	IF	CITATIONS
271	Guided Evolution of Recombinant Bombyx mori Acetylcholinesterase II by Homology Modeling to Change Pesticide Sensitivity. International Journal of Molecular Sciences, 2018, 19, 3366.	4.1	1
272	Nanobodies: From Serendipitous Discovery of Heavy Chain-Only Antibodies in Camelids to a Wide Range of Useful Applications. Methods in Molecular Biology, 2022, 2446, 3-17.	0.9	1
273	Neutron scattering of chromatin multinucleosomes. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 136, 265-267.	0.9	0
274	Corrigendum to: Isolation and characterization of single-chain Fv genes encoding antibodies specific for Drosophila Poxn protein (FEBS 20963). FEBS Letters, 1999, 443, 80-80.	2.8	0
275	Bio-chemical Process Monitoring with Terahertz Sensor. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 29-36.	0.3	0
276	Nanobodies against the metal binding domains of ATP7B as tools to study copper transport in the cell. Metallomics, 2020, 12, 1941-1950.	2.4	0
277	Abstract 4627: Generation and characterization of non-competitive furin-inhibiting nanobodies. , 2012, , .		0
278	Nanobodies as binding-chaperones stabilize the recombinant Bombyx mori acetylcholinesterase and protect the enzyme activity in pesticide detection. Enzyme and Microbial Technology, 2022, 155, 109992.	3.2	0
279	Cytoplasmic Expression of Nanobodies with Formylglycine Generating Enzyme Tag and Conversion to a Bio-Orthogonal Aldehyde Group. Methods in Molecular Biology, 2022, 2446, 357-371.	0.9	0