

Mahdi Behdani

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

1,430
citations

361045

20
h-index

414034

32
g-index

103
all docs

103
docs citations

103
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted therapy of angiogenesis using anti-VEGFR2 and anti-NRP-1 nanobodies. <i>Cancer Chemotherapy and Pharmacology</i> , 2022, 89, 165-172.	1.1	6
2	Angiogenic biomolecules specific nanobodies application in cancer imaging and therapy; review and updates. <i>International Immunopharmacology</i> , 2022, 105, 108585.	1.7	2
3	Human IL-2RÉ' subunit binding modulation of IL-2 through a decline in electrostatic interactions: A computational and experimental approach. <i>PLoS ONE</i> , 2022, 17, e0264353.	1.1	9
4	Apoplastic Production of Recombinant AntiVEGF Protein Using Plant-Virus Transient Expression Vector. <i>Molecular Biotechnology</i> , 2022, , 1.	1.3	2
5	Efficacy and antitumor activity of a mutant type of interleukin 2. <i>Scientific Reports</i> , 2022, 12, 5376.	1.6	3
6	Production and Conjugation of Truncated Recombinant Diphtheria Toxin to VEGFR-2 Specific Nanobody and Evaluation of its Cytotoxic Effect on PC-3 Cell Line. <i>Molecular Biotechnology</i> , 2022, 64, 1218-1226.	1.3	3
7	Cloning, Expression and One-Step Purification of a Novel IP-10-(anti-HER2 scFv) Fusion Protein in <i>Escherichia coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 433-446.	0.9	8
8	Isolation and characterization of nanobodies against epithelial cell adhesion molecule as novel theranostic agents for cancer therapy. <i>Molecular Immunology</i> , 2021, 129, 70-77.	1.0	18
9	Designing and Development of a Tandem Bivalent Nanobody against VEGF165. <i>Avicenna Journal of Medical Biotechnology</i> , 2021, 13, 58-64.	0.2	3
10	Inhibition of neovascularisation in human endothelial cells using anti NRP-1 nanobody fused to truncated form of diphtheria toxin as a novel immunotoxin. <i>Immunopharmacology and Immunotoxicology</i> , 2021, 43, 230-238.	1.1	5
11	<i>In Vivo</i> Tumor Therapy with Novel Immunotoxin Containing Programmed Cell Death Protein-1 and Diphtheria Toxin. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2021, 40, 113-117.	0.8	3
12	Development and characterization of human single chain antibody against Iranian <i>Macrovipera lebetina</i> snake venom. <i>Toxicon</i> , 2021, 197, 106-113.	0.8	10
13	Nanobodies as powerful pulmonary targeted biotherapeutics against SARS-CoV-2, pharmaceutical point of view. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129974.	1.1	12
14	Expressing of Recombinant VEGFR2-specific Nanobody in Baculovirus Expression System. <i>Iranian Journal of Biotechnology</i> , 2021, 19, e2783.	0.3	0
15	Developing and characterizing a single-domain antibody (nanobody) against human cytotoxic T-lymphocyte-associated protein 4 (hCTLA-4).. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 1264-1271.	1.0	0
16	Development of camelid monoclonal nanobody against SLC39A6 zinc transporter protein.. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 1726-1733.	1.0	0
17	Functional Study of a Camelid Single Domain Anti-CD22 Antibody. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 633-639.	0.9	2
18	Optimization of Anti-CXCL10 Nanobody Expression Using Response Surface Methodology and Evaluation of its Anti-metastatic Effect on Breast Cancer cells. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1399-1407.	0.9	3

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19	Anti-HER2 scFv Expression in Escherichia coli SHuffle®T7 Express Cells: Effects on Solubility and Biological Activity. <i>Molecular Biotechnology</i> , 2020, 62, 18-30.	1.3	22
20	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.	1.6	25
21	Liposomal delivery of vascular endothelial growth factor/receptors and their inhibitors. <i>Journal of Drug Targeting</i> , 2020, 28, 379-385.	2.1	11
22	Albumin nanoparticles as nanocarriers for drug delivery: Focusing on antibody and nanobody delivery and albumin-based drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101471.	1.4	52
23	Selection and characterization of specific nanobody against neuropilin-1 for inhibition of angiogenesis. <i>Molecular Immunology</i> , 2020, 128, 56-63.	1.0	11
24	Complete neutralization of the lethality of Hemiscorpius lepturus crude venom by a novel anti-recombinant phospholipase D1 IgGs. <i>Toxicon</i> , 2020, 183, 36-43.	0.8	1
25	A nanobody-derived mimotope against VEGF inhibits cancer angiogenesis. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1233-1239.	2.5	25
26	combination therapy of pathologic angiogenesis using anti-vascular endothelial growth factor and anti-neuropilin-1 nanobodies. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 1335-1339.	1.0	4
27	Design and Analysis of a Wideband CPW-Fed Circularly-Polarized Antenna. , 2020, , ,		1
28	Enhanced expression and purification of anti-VEGF nanobody in cucurbit plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 263-270.	0.9	1
29	Development of a human scFv antibody targeting the lethal Iranian cobra (Naja oxiana) snake venom. <i>Toxicon</i> , 2019, 171, 78-85.	0.8	10
30	Genotoxicity assessment of antiepileptic drugs (AEDs) in human embryonic stem cells. <i>Epilepsy Research</i> , 2019, 158, 106232.	0.8	12
31	Evaluation of Laboratory Application of Camelid Sera Containing Heavy-Chain Polyclonal Antibody Against Recombinant Cytotoxic T-Lymphocyte-Associated Protein-4. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2019, 38, 235-241.	0.8	3
32	Recombinant Expression of Zinc Transporter SLC39A6 and Its Functional Antibody Production. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2019, 38, 70-74.	0.8	3
33	A novel toxoid phospholipase D1 from Iranian Hemiscorpius lepturus scorpion and immunogenicity studies in BALB/c mice. <i>Toxicon</i> , 2019, 159, S22-S23.	0.8	0
34	T cell engineered with a novel nanobody-based chimeric antigen receptor against VEGFR2 as a candidate for tumor immunotherapy. <i>IUBMB Life</i> , 2019, 71, 1259-1267.	1.5	45
35	Protective responses of an engineered PspA recombinant antigen against Streptococcus pneumoniae. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00385.	2.1	10
36	Oligoclonal selection of nanobodies targeting vascular endothelial growth factor. <i>Journal of Immunotoxicology</i> , 2019, 16, 34-42.	0.9	15

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37	Modified PO-PO hybrid method for scattering of 2D ship model on the rough sea surface. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 156-162.	0.7	6
38	Production of Novel Camelid Anti-CXCL10 Specific Polyclonal Antibodies and Evaluation of Their Bioreactivity. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 535-540.	0.9	3
39	Linear mimotope analysis of Iranian cobra (<i>Naja oxiana</i>) snake venom using peptide displayed phage library. <i>Toxin Reviews</i> , 2019, 38, 106-114.	1.5	1
40	Generation and Characterization of a Functional Nanobody Against Inflammatory Chemokine CXCL10, as a Novel Strategy for the Treatment of Multiple Sclerosis. <i>CNS and Neurological Disorders - Drug Targets</i> , 2019, 18, 141-148.	0.8	7
41	Phylogenetic analysis of metalloprotease from transcriptome of venom gland of <i>Hemiscorpius lepturus</i> . <i>Archives of Biotechnology and Biomedicine</i> , 2019, 3, 006-010.	0.1	2
42	Cytotoxicity Assessment and Apoptosis-related Gene Profiling of Antibody Treated Acute Myeloid Leukemia (AML) and Acute Lymphocytic Leukemia (ALL) Cancerous Cell Lines. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2019, 18, 679-687.	0.3	0
43	A comparative study on the equine and camelid antivenoms upon cardiovascular changes induced with venom in rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 1440-1444.	1.0	0
44	Expression of VGRNb-PE immunotoxin in transplastomic lettuce (<i>Lactuca sativa</i> L.). <i>Plant Molecular Biology</i> , 2018, 97, 103-112.	2.0	16
45	Generation and characterization of an anti-delta like ligand-4 Nanobody to induce non-productive angiogenesis. <i>Analytical Biochemistry</i> , 2018, 544, 34-41.	1.1	16
46	VP2 (PTA motif) encoding DNA vaccine confers protection against lethal challenge with infectious pancreatic necrosis virus (IPNV) in trout. <i>Molecular Immunology</i> , 2018, 94, 61-67.	1.0	35
47	Development and characterization of a camelid single-domain antibody directed to human CD22 biomarker. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 718-725.	1.4	12
48	Development of a novel nano-sized anti-VEGFA nanobody with enhanced physicochemical and pharmacokinetic properties. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1402-1414.	1.9	20
49	Single-Domain Antibodies or Nanobodies: A Class of Next-Generation Antibodies. <i>International Reviews of Immunology</i> , 2018, 37, 316-322.	1.5	74
50	Transient expression of anti-VEGFR2 nanobody in <i>Nicotiana tabacum</i> and <i>N. benthamiana</i> . <i>3 Biotech</i> , 2018, 8, 484.	1.1	4
51	An antibody fragment against human delta-like ligand-4 for inhibition of cell proliferation and neovascularization. <i>Immunopharmacology and Immunotoxicology</i> , 2018, 40, 368-374.	1.1	18
52	Nanobodies as novel therapeutic agents in envenomation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2955-2965.	1.1	30
53	Developing recombinant phospholipase D1 (rPLD1) toxoid from Iranian <i>Hemiscorpius lepturus</i> scorpion and its protective effects in BALB/c mice. <i>Toxicon</i> , 2018, 152, 30-36.	0.8	7
54	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

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55	Cell-specific targeting by engineered M13 bacteriophage expressing VEGFR2 nanobody. Iranian Journal of Basic Medical Sciences, 2018, 21, 884-888.	1.0	1
56	Development of a recombinant camelid specific diabody against the heminecrolysin fraction of <i>Hemiscorpius lepturus</i> scorpion. Toxin Reviews, 2017, 36, 7-11.	1.5	18
57	Development of anti-CD47 single-chain variable fragment targeted magnetic nanoparticles for treatment of human bladder cancer. Nanomedicine, 2017, 12, 597-613.	1.7	17
58	Oral DNA vaccines based on CS-TPP nanoparticles and alginate microparticles confer high protection against infectious pancreatic necrosis virus (IPNV) infection in trout. Developmental and Comparative Immunology, 2017, 74, 178-189.	1.0	57
59	The first report on transcriptome analysis of the venom gland of Iranian scorpion, <i>Hemiscorpius lepturus</i> . Toxicon, 2017, 125, 123-130.	0.8	37
60	Intrabody targeting vascular endothelial growth factor receptor-2 mediates downregulation of surface localization. Cancer Gene Therapy, 2017, 24, 33-37.	2.2	24
61	Anti-VEGFR2 nanobody expression in lettuce using an infectious Turnip mosaic virus vector. Journal of Plant Biochemistry and Biotechnology, 2017, 27, 167.	0.9	1
62	An overview on application of phage display technique in immunological studies. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 599-602.	0.5	34
63	Design and characterization of short hybrid antimicrobial peptides from <i>pEM2</i> , mastoparan ϵ 1, and mastoparan ϵ B. Chemical Biology and Drug Design, 2017, 89, 327-338.	1.5	33
64	Electromagnetic scattering from a pec target over a random rough sea surface using hybrid KA-PO-PTD method. , 2017, , .		4
65	Characteristics and Lethality of a Novel Recombinant Dermonecrotic Venom Phospholipase from <i>Hemiscorpius lepturus</i> . Toxins, 2017, 9, 102.	1.5	14
66	Stimulation of Camel Polyclonal Antibody against Human T cell Immunoglobulin and Mucin 3. Iranian Journal of Biotechnology, 2017, 15, 166-171.	0.3	3
67	immunotherapy of lung cancer using cross-species reactive vascular endothelial growth factor nanobodies. Iranian Journal of Basic Medical Sciences, 2017, 20, 489-496.	1.0	19
68	In Vitro Evaluation of Vegf-Pseudomonas Exotoxin: A Conjugated on Tumor Cells. Advanced Biomedical Research, 2017, 6, 144.	0.2	5
69	Electromagnetic scattering from a PEC target buried beneath a rough surface using KA-PO method. , 2016, , .		2
70	Development of a novel engineered antibody targeting human CD123. Analytical Biochemistry, 2016, 511, 27-30.	1.1	10
71	Production and Characterization of Novel Camel Single Domain Antibody Targeting Mouse Vascular Endothelial Growth Factor. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2016, 35, 167-171.	0.8	28
72	Datasets of a novel bivalent single chain antibody constructed by overlapping oligonucleotide annealing method targeting human CD123. Data in Brief, 2016, 8, 1137-1143.	0.5	2

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73	Identification of the immunogenic epitopes of the whole venom component of the Hemiscorpius lepturus scorpion using the phage display peptide library. <i>Toxicon</i> , 2016, 124, 83-93.	0.8	12
74	Identification and characterization of a novel nanobody against human placental growth factor to modulate angiogenesis. <i>Molecular Immunology</i> , 2016, 78, 183-192.	1.0	22
75	Sindbis Virus-Pseudotyped Lentiviral Vectors Carrying VEGFR2-Specific Nanobody for Potential Transductional Targeting of Tumor Vasculature. <i>Molecular Biotechnology</i> , 2016, 58, 738-747.	1.3	16
76	Recombinant expression and purification of functional vascular endothelial growth factor-121 in the baculovirus expression system. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 1195-1199.	0.4	7
77	Construction and expression of an anti-VEGFR2 Nanobody-Fc fusionbody in NS0 host cell. <i>Protein Expression and Purification</i> , 2016, 123, 19-25.	0.6	22
78	Camelid antivenom development and potential in vivo neutralization of Hottentotta saulcyi scorpion venom. <i>Toxicon</i> , 2016, 113, 70-75.	0.8	12
79	Development of a novel in vitro assay for the evaluation of integrase DNA integrase activity. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 585-591.	0.5	0
80	Expression and purification of truncated diphtheria toxin, DT386, in Escherichia coli: An attempt for production of a new vaccine against diphtheria. <i>Research in Pharmaceutical Sciences</i> , 2016, 11, 428.	0.6	3
81	Evaluation of Sensitivity of Molecular Methods for Detection of Rifampin-Resistant Strains Amongst Drug-resistant Mycobacterium tuberculosis Isolates. <i>Archives of Pediatric Infectious Diseases</i> , 2016, inpress, .	0.1	0
82	A Model to Study the Phenotypic Changes of Insect Cell Transfection by Copepod Super Green Fluorescent Protein (cop-GFP) in Baculovirus Expression System. <i>Iranian Biomedical Journal</i> , 2016, 20, 182-6.	0.4	5
83	Preparation and characterization of a novel nanobody against T-cell immunoglobulin and mucin-3 (TIM-3). <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 1201-1208.	1.0	28
84	Camel Heavy Chain Polyclonal Antibody Raised Against Recombinant Murine Placental Growth Factor Expressed in Escherichia coli. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2015, 34, 126-130.	0.8	2
85	Inhibition of angiogenesis in human endothelial cell using VEGF specific nanobody. <i>Molecular Immunology</i> , 2015, 65, 58-67.	1.0	60
86	Selection and Characterization of Specific Nanobody Against Human Immunoglobulin G. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2015, 34, 201-205.	0.8	18
87	Development of protective agent against Hottentotta saulcyi venom using camelid single-domain antibody. <i>Molecular Immunology</i> , 2015, 68, 412-420.	1.0	15
88	Antigenic assessment of a recombinant human CD90 protein expressed in prokaryotic expression system. <i>Protein Expression and Purification</i> , 2015, 116, 139-143.	0.6	7
89	Development and Characterization of a New Antipeptide Monoclonal Antibody Directed to Human CD20 Antigen. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2015, 30, 310-316.	0.7	3
90	A camelid antibody candidate for development of a therapeutic agent against Hemiscorpius lepturus envenomation. <i>FASEB Journal</i> , 2014, 28, 4004-4014.	0.2	26

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91	Recombinant expression and purification of human placental growth factor 1 and specific camel heavy chain polyclonal antibody preparation. Saudi Journal of Biological Sciences, 2014, 21, 35-39.	1.8	12
92	Expression and purification of functional human vascular endothelial growth factor- α 121; the most important angiogenesis factor. Advanced Pharmaceutical Bulletin, 2014, 4, 323-8.	0.6	24
93	Development of VEGFR2-specific Nanobody Pseudomonas exotoxin A conjugated to provide efficient inhibition of tumor cell growth. New Biotechnology, 2013, 30, 205-209.	2.4	68
94	Expression, purification, and characterization of a diabody against the most important angiogenesis cell receptor: Vascular endothelial growth factor receptor 2. Advanced Biomedical Research, 2012, 1, 34.	0.2	8
95	Immunological evaluation of predicted linear B-cell epitopes of human CD20 antigen. Biotechnology and Applied Biochemistry, 2012, 59, 186-192.	1.4	3
96	Generation and characterization of a functional Nanobody against the vascular endothelial growth factor receptor-2; angiogenesis cell receptor. Molecular Immunology, 2012, 50, 35-41.	1.0	97
97	Functional recombinant extra membrane loop of human CD20, an alternative of the full length CD20 antigen. Iranian Biomedical Journal, 2012, 16, 121-6.	0.4	4
98	Rapid and low-cost colorimetric method using 2,3,5-triphenyltetrazolium chloride for detection of multidrug-resistant Mycobacterium tuberculosis. Journal of Medical Microbiology, 2006, 55, 1657-1659.	0.7	23