

Ekaterina Dadachova

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

3,651
citations

159525

30
h-index

149623

56
g-index

108
all docs

108
docs citations

108
times ranked

3681
citing authors

#	ARTICLE	IF	CITATIONS
1	Human monoclonal antibodies against Staphylococcus aureus surface antigens recognize in vitro and in vivo biofilm. <i>ELife</i> , 2022, 11, .	2.8	16
2	Mitigating effects of sublethal and lethal whole-body gamma irradiation in a mouse model with soluble melanin. <i>Journal of Radiological Protection</i> , 2022, 42, 011508.	0.6	4
3	Highlights of the Latest Developments in Radiopharmaceuticals for Infection Imaging and Future Perspectives. <i>Frontiers in Medicine</i> , 2022, 9, 819702.	1.2	9
4	Radioimmunotherapy Targeting IGF2R on Canine-Patient-Derived Osteosarcoma Tumors in Mice and Radiation Dosimetry in Canine and Pediatric Models. <i>Pharmaceuticals</i> , 2022, 15, 10.	1.7	8
5	Transcriptomic and genomic changes associated with radioadaptation in <i>Exophiala dermatitidis</i> . <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 196-205.	1.9	13
6	Novel Human Antibodies to Insulin Growth Factor 2 Receptor (IGF2R) for Radioimmunoimaging and Therapy of Canine and Human Osteosarcoma. <i>Cancers</i> , 2021, 13, 2208.	1.7	8
7	LETTER TO THE EDITOR: ON POTENTIAL USE OF RADIOLABELED ANTIBODIES FOR IMAGING AND TREATMENT OF COVID-19. <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.120.261874.	2.8	0
8	Melanin “protecting and enhancing the earliest life on Earth. <i>Physics of Life Reviews</i> , 2021, 38, 127-128.	1.5	0
9	²²⁵ Ac-labeled CD33-targeting antibody reverses resistance to Bcl-2 inhibitor venetoclax in acute myeloid leukemia models. <i>Cancer Medicine</i> , 2021, 10, 1128-1140.	1.3	25
10	Mars: new insights and unresolved questions. <i>International Journal of Astrobiology</i> , 2021, 20, 394-426.	0.9	19
11	Radioadapted <i>Wangiella dermatitidis</i> senses radiation in its environment in a melanin-dependent fashion. <i>Fungal Biology</i> , 2020, 124, 368-375.	1.1	5
12	Mechanistic Insights into Synergy between Melanin-Targeting Radioimmunotherapy and Immunotherapy in Experimental Melanoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8721.	1.8	8
13	Safety Evaluation of an Alpha-Emitter Bismuth-213 Labeled Antibody to (1 ²⁵ I)- ¹²⁵ I-Glucan in Healthy Dogs as a Prelude for a Trial in Companion Dogs with Invasive Fungal Infections. <i>Molecules</i> , 2020, 25, 3604.	1.7	7
14	Radioimmunotherapy of Blastomycosis in a Mouse Model With a (1 ²⁵ I)- ¹²⁵ I-Glucans Targeting Antibody. <i>Frontiers in Microbiology</i> , 2020, 11, 147.	1.5	8
15	Comparison of various radioactive payloads for a human monoclonal antibody to glycoprotein 41 for elimination of HIV-infected cells. <i>Nuclear Medicine and Biology</i> , 2020, 82-83, 80-88.	0.3	6
16	Targeted lymphodepletion with a CD45-directed antibody radioconjugate as a novel conditioning regimen prior to adoptive cell therapy. <i>Oncotarget</i> , 2020, 11, 3571-3581.	0.8	4
17	Responses of the Black Fungus <i>Cryomyces antarcticus</i> to Simulated Mars and Space Conditions on Rock Analogs. <i>Astrobiology</i> , 2019, 19, 209-220.	1.5	25
18	Detection and targeting insulin growth factor receptor type 2 (IGF2R) in osteosarcoma PDX in mouse models and in canine osteosarcoma tumors. <i>Scientific Reports</i> , 2019, 9, 11476.	1.6	24

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19	Evaluation of novel highly specific antibodies to cancer testis antigen Centrin ¹ for radioimmunoimaging and radioimmunotherapy of pancreatic cancer. <i>Cancer Medicine</i> , 2019, 8, 5289-5300.	1.3	8
20	Monoclonal Antibodies Against Human Papillomavirus E6 and E7 Oncoproteins Inhibit Tumor Growth in Experimental Cervical Cancer. <i>Translational Oncology</i> , 2019, 12, 1289-1295.	1.7	12
21	Comparative Radioimmunotherapy of Experimental Melanoma with Novel Humanized Antibody to Melanin Labeled with ²¹³ Bismuth and ¹⁷⁷ Lutetium. <i>Pharmaceutics</i> , 2019, 11, 348.	2.0	18
22	Future Vistas in Alpha Therapy of Infectious Diseases. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, S49-S52.	0.2	6
23	Assessing Melanin Capabilities in Radiation Shielding and Radioadaptation. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, S2.	0.2	3
24	Daratumumab- ²²⁵ Actinium conjugate demonstrates greatly enhanced antitumor activity against experimental multiple myeloma tumors. <i>Oncolimmunology</i> , 2019, 8, 1607673.	2.1	31
25	Melanin as an Energy Transducer and a Radioprotector in Black Fungi. , 2019, , 175-184.		11
26	The effect of protracted X-ray exposure on cell survival and metabolic activity of fast and slow growing fungi capable of melanogenesis. <i>Environmental Microbiology Reports</i> , 2018, 10, 255-263.	1.0	25
27	Fungal strategies for dealing with environment- and agriculture-induced stresses. <i>Fungal Biology</i> , 2018, 122, 602-612.	1.1	52
28	Morphological changes in melanized and non-melanized <i>Cryptococcus neoformans</i> cells post exposure to sparsely and densely ionizing radiation demonstrate protective effect of melanin. <i>Fungal Biology</i> , 2018, 122, 449-456.	1.1	15
29	Resistance of an Antarctic cryptoendolithic black fungus to radiation gives new insights of astrobiological relevance. <i>Fungal Biology</i> , 2018, 122, 546-554.	1.1	37
30	Survival and redox activity of <i>Friedmanniomyces endolithicus</i> , an Antarctic endemic black meristematic fungus, after gamma rays exposure. <i>Fungal Biology</i> , 2018, 122, 1222-1227.	1.1	16
31	Evaluation of N-Succinimidyl S-Acetylthioacetate Ligand for Radiolabeling of Humanized Antibodies with ¹⁸⁸ Rhenium. <i>Cancer Biotherapy and Radiopharmaceutics</i> , 2018, 33, 349-355.	0.7	2
32	Radioimmunotherapy as a Novel Approach in HIV, Bacterial, and Fungal Infectious Diseases. <i>Cancer Biotherapy and Radiopharmaceutics</i> , 2018, 33, 330-335.	0.7	18
33	Reverse Engineering To Characterize Redox Properties: Revealing Melanin's Redox Activity through Mediated Electrochemical Probing. <i>Chemistry of Materials</i> , 2018, 30, 5814-5826.	3.2	36
34	<i>In vivo</i> Evaluation of Free and Chelated Accelerator-produced Actinium- 225 - Radiation Dosimetry and Toxicity Results. <i>Current Radiopharmaceutics</i> , 2018, 11, 215-222.	0.3	16
35	Biodistribution of a Radiolabeled Antibody in Mice as an Approach to Evaluating Antibody Pharmacokinetics. <i>Pharmaceutics</i> , 2018, 10, 262.	2.0	16
36	Melanin is effective in protecting fast and slow growing fungi from various types of ionizing radiation. <i>Environmental Microbiology</i> , 2017, 19, 1612-1624.	1.8	86

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37	Melanin, Radiation, and Energy Transduction in Fungi. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	58
38	A Radiolabeled Fully Human Antibody to Human Aspartyl (Asparaginy) α -Hydroxylase Is a Promising Agent for Imaging and Therapy of Metastatic Breast Cancer. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2017, 32, 57-65.	0.7	9
39	Spectroelectrochemical Reverse Engineering Demonstrates That Melanin's Redox and Radical Scavenging Activities Are Linked. <i>Biomacromolecules</i> , 2017, 18, 4084-4098.	2.6	63
40	32-Phosphorus selectively delivered by listeria to pancreatic cancer demonstrates a strong therapeutic effect. <i>Oncotarget</i> , 2017, 8, 20729-20740.	0.8	38
41	Combination of Antiretroviral Drugs and Radioimmunotherapy Specifically Kills Infected Cells from HIV-Infected Individuals. <i>Frontiers in Medicine</i> , 2016, 3, 41.	1.2	6
42	A fully human antibody to gp41 selectively eliminates HIV-infected cells that transmigrated across a model human blood brain barrier. <i>Aids</i> , 2016, 30, 563-572.	1.0	12
43	Targeted Radionuclide Therapy of Melanoma. <i>Seminars in Nuclear Medicine</i> , 2016, 46, 250-259.	2.5	30
44	Targeted therapy of osteosarcoma with radiolabeled monoclonal antibody to an insulin-like growth factor-2 receptor (IGF2R). <i>Nuclear Medicine and Biology</i> , 2016, 43, 812-817.	0.3	28
45	Beta emitters rhenium-188 and lutetium-177 are equally effective in radioimmunotherapy of HPV-positive experimental cervical cancer. <i>Cancer Medicine</i> , 2016, 5, 9-16.	1.3	17
46	The Effects of Nanoparticles on Bone Marrow Cells. <i>Frontiers in Nanobiomedical Research</i> , 2016, , 85-100.	0.1	0
47	Quantitative Modeling of Microbial Population Responses to Chronic Irradiation Combined with Other Stressors. <i>PLoS ONE</i> , 2016, 11, e0147696.	1.1	6
48	Effects of radiation type and delivery mode on a radioresistant eukaryote <i>Cryptococcus neoformans</i> . <i>Nuclear Medicine and Biology</i> , 2015, 42, 515-523.	0.3	6
49	New Approaches for Modeling Radiopharmaceutical Pharmacokinetics Using Continuous Distributions of Rates. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1622-1628.	2.8	5
50	Fungal stress biology: a preface to the Fungal Stress Responses special edition. <i>Current Genetics</i> , 2015, 61, 231-238.	0.8	46
51	Non-invasive nuclear imaging for localization of viral reservoirs. <i>Nature Methods</i> , 2015, 12, 399-400.	9.0	6
52	Evaluation of benzyl-substituted DTPA analogues as decorporation agents of radionuclides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 303, 2407.	0.7	1
53	Treatment of experimental pancreatic cancer with 213-Bismuth-labeled chimeric antibody to single-strand DNA. <i>Expert Review of Anticancer Therapy</i> , 2014, 14, 1243-1249.	1.1	13
54	Branched amphiphilic peptide capsules: Cellular uptake and retention of encapsulated solutes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2296-2305.	1.4	38

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55	Effect of AIDS on Women Who Have Sex-Determined Health Issues. <i>Seminars in Nuclear Medicine</i> , 2014, 44, 489-498.	2.5	3
56	Radiolabeled Antibodies for Therapy of Infectious Diseases. <i>Microbiology Spectrum</i> , 2014, 2, 0023.	1.2	10
57	Mathematical Modeling Predicts Enhanced Growth of X-Ray Irradiated Pigmented Fungi. <i>PLoS ONE</i> , 2014, 9, e85561.	1.1	15
58	The Effects of Nanoparticles on Bone Marrow Cells. <i>Frontiers in Nanobiomedical Research</i> , 2013, , 433-448.	0.1	0
59	Compton Scattering by Internal Shields Based on Melanin-Containing Mushrooms Provides Protection of Gastrointestinal Tract from Ionizing Radiation. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2012, 27, 570-576.	0.7	31
60	Pre-Clinical Evaluation of a ²¹³ Bi-Labeled 2556 Antibody to HIV-1 gp41 Glycoprotein in HIV-1 Mouse Models as a Reagent for HIV Eradication. <i>PLoS ONE</i> , 2012, 7, e31866.	1.1	32
61	Protection of Melanized <i>Cryptococcus neoformans</i> from Lethal Dose Gamma Irradiation Involves Changes in Melanin's Chemical Structure and Paramagnetism. <i>PLoS ONE</i> , 2011, 6, e25092.	1.1	40
62	The effects of gamma radiation, UV and visible light on ATP levels in yeast cells depend on cellular melanization. <i>Fungal Biology</i> , 2011, 115, 945-949.	1.1	35
63	Gamma radiation interacts with melanin to alter its oxidation/reduction potential and results in electric current production. <i>Bioelectrochemistry</i> , 2011, 82, 69-73.	2.4	49
64	Radioimmunotherapy of experimental head and neck squamous cell carcinoma (HNSCC) with E6-specific antibody using a novel HPV-16 positive HNSCC cell line. <i>Head & Neck Oncology</i> , 2011, 3, 9.	2.3	26
65	<i>Cryptococcus neoformans</i> as a Model for Radioimmunotherapy of Infections. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-11.	0.6	6
66	The influence of proteasome inhibitor MG132, external radiation, and unlabeled antibody on the tumor uptake and biodistribution of ¹⁸⁸ Re-labeled anti-E6 C1P5 antibody in cervical cancer in mice. <i>Cancer</i> , 2010, 116, 1067-1074.	2.0	19
67	Melanin-Covered Nanoparticles for Protection of Bone Marrow During Radiation Therapy of Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 1494-1502.	0.4	104
68	Radioimmunotherapy Is More Effective than Antifungal Treatment in Experimental Cryptococcal Infection. <i>Journal of Infectious Diseases</i> , 2010, 202, 633-637.	1.9	47
69	Cancer Therapy with Alpha-Emitters Labeled Peptides. <i>Seminars in Nuclear Medicine</i> , 2010, 40, 204-208.	2.5	35
70	Radiolabeled Antibodies to <i>Bacillus anthracis</i> Toxins Are Bactericidal and Partially Therapeutic in Experimental Murine Anthrax. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4860-4868.	1.4	19
71	Radioimmunotherapy Is Effective against High-Inoculum <i>Cryptococcus neoformans</i> Infection in Mice and Does Not Select for Radiation-Resistant Cryptococcal Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1679-1682.	1.4	18
72	Physico-Chemical Evaluation of Rationally Designed Melanins as Novel Nature-Inspired Radioprotectors. <i>PLoS ONE</i> , 2009, 4, e7229.	1.1	73

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73	Radioimmunotherapy of Infectious Diseases. <i>Seminars in Nuclear Medicine</i> , 2009, 39, 146-153.	2.5	40
74	The radioprotective properties of fungal melanin are a function of its chemical composition, stable radical presence and spatial arrangement. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 192-199.	1.5	134
75	Ionizing radiation: how fungi cope, adapt, and exploit with the help of melanin. <i>Current Opinion in Microbiology</i> , 2008, 11, 525-531.	2.3	304
76	In vitro evaluation, biodistribution and scintigraphic imaging in mice of radiolabeled anthrax toxins. <i>Nuclear Medicine and Biology</i> , 2008, 35, 755-761.	0.3	8
77	Radiofungicidal Effects of External Gamma Radiation and Antibody-Targeted Beta and Alpha Radiation on <i>Cryptococcus neoformans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2232-2235.	1.4	18
78	Pre-clinical evaluation and efficacy studies of a melanin-binding IgM antibody labeled with ¹⁸⁸ Re against experimental human metastatic melanoma in nude mice. <i>Cancer Biology and Therapy</i> , 2008, 7, 1116-1127.	1.5	49
79	Radioimmunotherapy of Infection with ²¹³ Bi-Labeled Antibodies. <i>Current Radiopharmaceuticals</i> , 2008, 1, 234-239.	0.3	12
80	Host and microbial cells as targets for armed antibodies in the treatment of infectious diseases. <i>Current Opinion in Investigational Drugs</i> , 2008, 9, 184-8.	2.3	7
81	Comparative Evaluation of Capsular Polysaccharide-Specific IgM and IgG Antibodies and F(ab ²) and Fab Fragments as Delivery Vehicles for Radioimmunotherapy of Fungal Infection. <i>Clinical Cancer Research</i> , 2007, 13, 5629s-5635s.	3.2	9
82	Radiolabeled Organism-Specific Antibodies for Diagnosis and Therapy of Infections. <i>Current Medical Imaging</i> , 2007, 3, 206-213.	0.4	2
83	Targeting host cells harbouring viruses with radiolabeled antibodies. <i>Expert Opinion on Biological Therapy</i> , 2007, 7, 595-597.	1.4	21
84	Targeting the Virus with Radioimmunotherapy in Virus-Associated Cancers. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2007, 22, 303-308.	0.7	12
85	Ionizing Radiation Changes the Electronic Properties of Melanin and Enhances the Growth of Melanized Fungi. <i>PLoS ONE</i> , 2007, 2, e457.	1.1	355
86	Treating Cancer as an Infectious Disease—Viral Antigens as Novel Targets for Treatment and Potential Prevention of Tumors of Viral Etiology. <i>PLoS ONE</i> , 2007, 2, e1114.	1.1	34
87	Targeted Killing of Virally Infected Cells by Radiolabeled Antibodies to Viral Proteins. <i>PLoS Medicine</i> , 2006, 3, e427.	3.9	76
88	Radiolabeled Melanin-Binding Peptides Are Safe and Effective in Treatment of Human Pigmented Melanoma in a Mouse Model of Disease. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2006, 21, 117-129.	0.7	32
89	Interaction of Radiolabeled Antibodies with Fungal Cells and Components of the Immune System In Vitro and during Radioimmunotherapy for Experimental Fungal Infection. <i>Journal of Infectious Diseases</i> , 2006, 193, 1427-1436.	1.9	54
90	Melanin as a potential target for radionuclide therapy of metastatic melanoma. <i>Future Oncology</i> , 2005, 1, 541-549.	1.1	25

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91	Antibodies as delivery vehicles for radioimmunotherapy of infectious diseases. Expert Opinion on Drug Delivery, 2005, 2, 1075-1084.	2.4	27
92	Treatment with rhenium-188-perrhenate and iodine-131 of NIS-expressing mammary cancer in a mouse model remarkably inhibited tumor growth. Nuclear Medicine and Biology, 2005, 32, 695-700.	0.3	32
93	Dead cells in melanoma tumors provide abundant antigen for targeted delivery of ionizing radiation by a mAb to melanin. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14865-14870.	3.3	65
94	Passive antibody therapy for infectious diseases. Nature Reviews Microbiology, 2004, 2, 695-703.	13.6	480
95	Radioimmunotherapy of Human Colon Carcinoma Xenografts Using a ²¹³ Bi-Labeled Domain-Deleted Humanized Monoclonal Antibody. Cancer Biotherapy and Radiopharmaceuticals, 2004, 19, 135-147.	0.7	46
96	The Na ⁺ /I ⁻ symporter (NIS): imaging and therapeutic applications. Seminars in Nuclear Medicine, 2004, 34, 23-31.	2.5	90
97	Susceptibility of the human pathogenic fungi Cryptococcus neoformans and Histoplasma capsulatum to gamma-radiation versus radioimmunotherapy with alpha- and beta-emitting radioisotopes. Journal of Nuclear Medicine, 2004, 45, 313-20.	2.8	40
98	Ionizing radiation delivered by specific antibody is therapeutic against a fungal infection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10942-10947.	3.3	98
99	Vaccines and Antibody Therapies from Cryptococcus neoformans to Melanoma. , 0, , 537-546.		1
100	Radiolabeled Antibodies for Therapy of Infectious Diseases. , 0, , 399-409.		0