Sabrina Oliveira

List of Publications by Year
in descending order

70 papers	4,305 citations	101384 36 h-index	123241 61 g-index
71 all docs	71 docs citations	71 times ranked	5984 citing authors

#	Article	IF	Citations
1	Oncologic Photodynamic Therapy: Basic Principles, Current Clinical Status and Future Directions. Cancers, 2017, 9, 19.	1.7	694
2	Tumor-Specific Uptake of Fluorescent Bevacizumabâ€"IRDye800CW Microdosing in Patients with Primary Breast Cancer: A Phase I Feasibility Study. Clinical Cancer Research, 2017, 23, 2730-2741.	3.2	212
3	Nanobody-based cancer therapy of solid tumors. Nanomedicine, 2015, 10, 161-174.	1.7	204
4	Antibody or Antibody Fragments: Implications for Molecular Imaging and Targeted Therapy of Solid Tumors. Frontiers in Immunology, 2017, 8, 1287.	2.2	181
5	Targeting tumors with nanobodies for cancer imaging and therapy. Journal of Controlled Release, 2013, 172, 607-617.	4.8	172
6	Crosstalk Between Epidermal Growth Factor Receptor- and Insulin-Like Growth Factor-1 Receptor Signaling: Implications for Cancer Therapy. Current Cancer Drug Targets, 2009, 9, 748-760.	0.8	165
7	Rapid Visualization of Human Tumor Xenografts through Optical Imaging with a Near-Infrared Fluorescent Antiâ€"Epidermal Growth Factor Receptor Nanobody. Molecular Imaging, 2012, 11, 7290.2011.00025.	0.7	152
8	Fusogenic peptides enhance endosomal escape improving siRNA-induced silencing of oncogenes. International Journal of Pharmaceutics, 2007, 331, 211-214.	2.6	145
9	EGFR targeted nanobodyâ€"photosensitizer conjugates for photodynamic therapy in a pre-clinical model of head and neck cancer. Journal of Controlled Release, 2016, 229, 93-105.	4.8	132
10	Downregulation of EGFR by a novel multivalent nanobody-liposome platform. Journal of Controlled Release, 2010, 145, 165-175.	4.8	117
11	Intrinsically active nanobody-modified polymeric micelles for tumor-targeted combination therapy. Biomaterials, 2013, 34, 1255-1260.	5.7	111
12	Rapid optical imaging of human breast tumour xenografts using anti-HER2 VHHs site-directly conjugated to IRDye 800CW for image-guided surgery. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1718-1729.	3.3	109
13	Nanobody â€" Shell functionalized thermosensitive core-crosslinked polymeric micelles for active drug targeting. Journal of Controlled Release, 2011, 151, 183-192.	4.8	94
14	Insights into maleimide-thiol conjugation chemistry: Conditions for efficient surface functionalization of nanoparticles for receptor targeting. Journal of Controlled Release, 2018, 282, 101-109.	4.8	91
15	Rapid visualization of human tumor xenografts through optical imaging with a near-infrared fluorescent anti-epidermal growth factor receptor nanobody. Molecular Imaging, 2012, 11, 33-46.	0.7	88
16	Photochemical internalization enhances silencing of epidermal growth factor receptor through improved endosomal escape of siRNA. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1211-1217.	1.4	86
17	Tumor-targeted Nanobullets: Anti-EGFR nanobody-liposomes loaded with anti-IGF-1R kinase inhibitor for cancer treatment. Journal of Controlled Release, 2012, 159, 281-289.	4.8	83
18	Intraoperative fluorescence delineation of head and neck cancer with a fluorescent Antiâ€epidermal growth factor receptor nanobody. International Journal of Cancer, 2014, 134, 2663-2673.	2.3	76

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19	Nanobodyâ€"photosensitizer conjugates for targeted photodynamic therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1441-1451.	1.7	76
20	Preclinical and Clinical Evidence of Immune Responses Triggered in Oncologic Photodynamic Therapy: Clinical Recommendations. Journal of Clinical Medicine, 2020, 9, 333.	1.0	72
21	Sensitive Spectroscopic Detection of Large and Denatured Protein Aggregates in Solution by Use of the Fluorescent Dye Nile Red. Journal of Fluorescence, 2007, 17, 181-192.	1.3	67
22	Patient-Derived Head and Neck Cancer Organoids Recapitulate EGFR Expression Levels of Respective Tissues and Are Responsive to EGFR-Targeted Photodynamic Therapy. Journal of Clinical Medicine, 2019, 8, 1880.	1.0	64
23	Targeted Delivery of siRNA. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-9.	3.0	62
24	Nanobody-Targeted Photodynamic Therapy Selectively Kills Viral GPCR-Expressing Glioblastoma Cells. Molecular Pharmaceutics, 2019, 16, 3145-3156.	2.3	61
25	Gold Nanoclusters: Imaging, Therapy, and Theranostic Roles in Biomedical Applications. Bioconjugate Chemistry, 2022, 33, 4-23.	1.8	57
26	Molecular biology of epidermal growth factor receptor inhibition for cancer therapy. Expert Opinion on Biological Therapy, 2006, 6, 605-617.	1.4	54
27	Hypoxia-Targeting Fluorescent Nanobodies for Optical Molecular Imaging of Pre-Invasive Breast Cancer. Molecular Imaging and Biology, 2016, 18, 535-544.	1.3	54
28	A novel method to quantify IRDye800CW fluorescent antibody probes ex vivo in tissue distribution studies. EJNMMI Research, 2012, 2, 50.	1.1	49
29	Selective Cytotoxicity to HER2 Positive Breast Cancer Cells by Saporin-Loaded Nanobody-Targeted Polymeric Nanoparticles in Combination with Photochemical Internalization. Molecular Pharmaceutics, 2019, 16, 1633-1647.	2.3	49
30	Nanobody-targeted photodynamic therapy induces significant tumor regression of trastuzumab-resistant HER2-positive breast cancer, after a single treatment session. Journal of Controlled Release, 2020, 323, 269-281.	4.8	49
31	Recent advances in molecular imaging biomarkers in cancer: application of bench to bedside technologies. Drug Discovery Today, 2010, 15, 102-114.	3.2	45
32	Delivery of siRNA to the Target Cell Cytoplasm: Photochemical Internalization Facilitates Endosomal Escape and Improves Silencing Efficiency, In Vitro and In Vivo. Current Pharmaceutical Design, 2008, 14, 3686-3697.	0.9	43
33	Optical imaging of pre-invasive breast cancer with a combination of VHHs targeting CAIX and HER2 increases contrast and facilitates tumour characterization. EJNMMI Research, 2016, 6, 14.	1.1	43
34	EGFR-Targeted Nanobody Functionalized Polymeric Micelles Loaded with mTHPC for Selective Photodynamic Therapy. Molecular Pharmaceutics, 2020, 17, 1276-1292.	2.3	43
35	Characterization and Evaluation of the Artemis Camera for Fluorescence-Guided Cancer Surgery. Molecular Imaging and Biology, 2015, 17, 413-423.	1.3	37
36	Site-specific conjugation of single domain antibodies to liposomes enhances photosensitizer uptake and photodynamic therapy efficacy. Nanoscale, 2016, 8, 6490-6494.	2.8	37

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37	Threshold Analysis and Biodistribution of Fluorescently Labeled Bevacizumab in Human Breast Cancer. Cancer Research, 2017, 77, 623-631.	0.4	34
38	Homogeneous tumor targeting with a single dose of HER2-targeted albumin-binding domain-fused nanobody-drug conjugates results in long-lasting tumor remission in mice. Theranostics, 2021, 11, 5525-5538.	4.6	33
39	Acute cellular and vascular responses to photodynamic therapy using EGFR-targeted nanobody-photosensitizer conjugates studied with intravital optical imaging and magnetic resonance imaging. Theranostics, 2020, 10, 2436-2452.	4.6	32
40	Reprint of "Nanobody â€" Shell functionalized thermosensitive core-crosslinked polymeric micelles for active drug targeting". Journal of Controlled Release, 2011, 153, 93-102.	4.8	29
41	VHH-Photosensitizer Conjugates for Targeted Photodynamic Therapy of Met-Overexpressing Tumor Cells. Antibodies, 2019, 8, 26.	1.2	28
42	Inhibition of Tumor Growth by Targeted Anti-EGFR/IGF-1R Nanobullets Depends on Efficient Blocking of Cell Survival Pathways. Molecular Pharmaceutics, 2013, 10, 3717-3727.	2.3	26
43	Vascular targeted photodynamic therapy: A review of the efforts towards molecular targeting of tumor vasculature. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1229-1240.	0.4	23
44	Imaging of Tumor Spheroids, Dual-Isotope SPECT, and Autoradiographic Analysis to Assess the Tumor Uptake and Distribution of Different Nanobodies. Molecular Imaging and Biology, 2019, 21, 1079-1088.	1.3	22
45	Molecular imaging with a fluorescent antibody targeting carbonic anhydrase IX can successfully detect hypoxic ductal carcinoma in situ of the breast. Breast Cancer Research and Treatment, 2013, 140, 263-272.	1.1	21
46	The Potential of Nanobody-Targeted Photodynamic Therapy to Trigger Immune Responses. Cancers, 2020, 12, 978.	1.7	21
47	What NIR photodynamic activation offers molecular targeted nanomedicines: Perspectives into the conundrum of tumor specificity and selectivity. Nano Today, 2021, 36, 101052.	6.2	21
48	Endothelial Cell Targeting by cRGD-Functionalized Polymeric Nanoparticles under Static and Flow Conditions. Nanomaterials, 2020, 10, 1353.	1.9	20
49	Epidermal growth factor receptor (EGFR) density may not be the only determinant for the efficacy of EGFRâ€targeted photoimmunotherapy in human head and neck cancer cell lines. Lasers in Surgery and Medicine, 2018, 50, 513-522.	1.1	19
50	Capillary electrophoresis-based assessment of nanobody affinity and purity. Analytica Chimica Acta, 2014, 818, 1-6.	2.6	17
51	Dithiolane-Crosslinked Poly(Îµ-caprolactone)-Based Micelles: Impact of Monomer Sequence, Nature of Monomer, and Reducing Agent on the Dynamic Crosslinking Properties. Macromolecules, 2020, 53, 7009-7024.	2.2	15
52	Targeting of promising transmembrane proteins for diagnosis and treatment of pancreatic ductal adenocarcinoma. Theranostics, 2021, 11, 9022-9037.	4.6	13
53	Dual Targeting of Endothelial and Cancer Cells Potentiates In Vitro Nanobody-Targeted Photodynamic Therapy. Cancers, 2020, 12, 2732.	1.7	12
54	Correlation between in vitro stability and pharmacokinetics of poly(Îµ-caprolactone)-based micelles loaded with a photosensitizer. Journal of Controlled Release, 2020, 328, 942-951.	4.8	12

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55	Molecular targets for anticancer therapies in companion animals and humans: what can we learn from each other?. Theranostics, 2021, 11, 3882-3897.	4.6	10
56	Ï€-Ï€-Stacked Poly(Îµ-caprolactone)-b-poly(ethylene glycol) Micelles Loaded with a Photosensitizer for Photodynamic Therapy. Pharmaceutics, 2020, 12, 338.	2.0	6
57	Nanobody-targeted photodynamic therapy for the treatment of feline oral carcinoma: a step towards translation to the veterinary clinic. Nanophotonics, 2021, 10, 3075-3087.	2.9	6
58	The Effect of Microbubble-Assisted Ultrasound on Molecular Permeability across Cell Barriers. Pharmaceutics, 2022, 14, 494.	2.0	6
59	Nanobody-targeted photodynamic therapy for oncology. Photodiagnosis and Photodynamic Therapy, 2015, 12, 339.	1.3	2
60	Single Domain Antibodies as Carriers for Intracellular Drug Delivery: A Proof of Principle Study. Biomolecules, 2021, 11, 927.	1.8	2
61	Conjugation of IRDye Photosensitizers or Fluorophores to Nanobodies. Methods in Molecular Biology, 2022, 2451, 495-503.	0.4	1
62	121 Tumor-targeted Nanobullets for Anti-cancer Combination Therapy. European Journal of Cancer, 2012, 48, 38.	1.3	0
63	Vascular targeted photodynamic therapy: A review of the efforts towards molecular targeting of tumor vasculature. , 2021, , 175-186.		0
64	Abstract 4935: Hypoxia targeting fluorescent nanobodies for optical molecular imaging of preinvasive breast cancer. , 2014, , .		0
65	Understanding the first steps towards immune-modulation triggered by nanobody-targeted photodynamic therapy (Conference Presentation). , 2019, , .		0
66	In Vitro Assessment of Binding Affinity, Selectivity, Uptake, Intracellular Degradation, and Toxicity of Nanobody-Photosensitizer Conjugates. Methods in Molecular Biology, 2022, 2451, 505-520.	0.4	0
67	Investigation of the Therapeutic Potential of Nanobody-Targeted Photodynamic Therapy in an Orthotopic Head and Neck Cancer Model. Methods in Molecular Biology, 2022, 2451, 521-531.	0.4	0
68	Nanobody-Targeted Photodynamic Therapy: Nanobody Production and Purification. Methods in Molecular Biology, 2022, 2451, 481-493.	0.4	0
69	Assessment of the In Vivo Response to Nanobody-Targeted PDT Through Intravital Microscopy. Methods in Molecular Biology, 2022, 2451, 533-545.	0.4	0
70	Orthotopic Breast Cancer Model to Investigate the Therapeutic Efficacy of Nanobody-Targeted Photodynamic Therapy. Methods in Molecular Biology, 2022, 2451, 547-556.	0.4	0