

The relationship of glycosylation and isoelectric point w

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#	ARTICLE	IF	CITATIONS
1	Recombinant NeutraLite Avidin: a non-glycosylated, acidic mutant of chicken avidin that exhibits high affinity for biotin and low non-specific binding properties. <i>FEBS Letters</i> , 2000, 467, 31-36.	2.8	93
2	Pre-Targeted Locoregional Radioimmunotherapy with 90Y-biotin in Glioma Patients: Phase I Study and Preliminary Therapeutic Results. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2001, 16, 227-235.	1.0	115
3	Localization of Avidin in Superficial Bladder Cancer: A Potentially New Approach for Radionuclide Therapy. <i>European Urology</i> , 2003, 44, 556-559.	1.9	19
4	Characterization of poultry egg-white avidins and their potential as a tool in pretargeting cancer treatment. <i>Biochemical Journal</i> , 2003, 372, 219-225.	3.7	52
5	Hepatocyte targeting of 111In-labeled oligo-DNA with avidin or avidin-dendrimer complex. <i>Journal of Controlled Release</i> , 2004, 95, 133-141.	9.9	39
6	Efficient production of active chicken avidin using a bacterial signal peptide in <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2004, 384, 385-390.	3.7	64
7	Novel Avidin-like Protein from a Root Nodule Symbiotic Bacterium, <i>Bradyrhizobium japonicum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 13250-13255.	3.4	60
8	In Vivo Spectral Fluorescence Imaging of Submillimeter Peritoneal Cancer Implants Using a Lectin-Targeted Optical Agent. <i>Neoplasia</i> , 2006, 8, 607-IN2.	5.3	59
9	Advances in Radioimmunotherapy in the Age of Molecular Engineering and Pretargeting. <i>Cancer Investigation</i> , 2006, 24, 82-97.	1.3	31
10	Influence of specific growth rate on specific productivity and glycosylation of a recombinant avidin produced by a <i>Pichia pastoris</i> Mut strain. <i>Biotechnology and Bioengineering</i> , 2008, 99, 368-377.	3.3	49
11	Structural and functional characteristics of xenavidin, the first frog avidin from <i>Xenopus tropicalis</i> . <i>BMC Structural Biology</i> , 2009, 9, 63.	2.3	25
12	Tumor-Specific Detection of an Optically Targeted Antibody Combined with a Quencher-Conjugated Neutravidin-Quencher-Chaser: A Dual Quench and Chase Strategy to Improve Target to Nontarget Ratios for Molecular Imaging of Cancer. <i>Bioconjugate Chemistry</i> , 2009, 20, 147-154.	3.6	30
13	Macromolecular and dendrimer-based magnetic resonance contrast agents. <i>Acta Radiologica</i> , 2010, 51, 751-767.	1.1	67
14	AvidinOX ₂ for Highly Efficient Tissue-Pretargeted Radionuclide Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 143-148.	1.0	20
15	Biochemical and Biological Characterization of a New Oxidized Avidin with Enhanced Tissue Binding Properties. <i>Journal of Biological Chemistry</i> , 2010, 285, 9090-9099.	3.4	29
16	Label-free detection of protein-protein interactions using a calmodulin-modified nanowire transistor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1047-1052.	7.1	115
17	Avidin-biotin technology in targeted therapy. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 551-564.	5.0	159
18	Chemical Linkage to Injected Tissues Is a Distinctive Property of Oxidized Avidin. <i>PLoS ONE</i> , 2011, 6, e21075.	2.5	10

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19	Preclinical Pharmacology and Safety of a Novel Avidin Derivative for Tissue-Targeted Delivery of Radiolabelled Biotin. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 109, 145-155.	2.5	10
20	Radiosynthesis, biodistribution and micro-SPECT imaging study of dendrimer-avidin conjugate. <i>Biorganic and Medicinal Chemistry</i> , 2011, 19, 1643-1648.	3.0	41
21	EGF receptor targeted tumor imaging with biotin-PEG-EGF linked to ^{99m} Tc-HYNIC labeled avidin and streptavidin. <i>Nuclear Medicine and Biology</i> , 2012, 39, 1122-1127.	0.6	11
22	Trans-resveratrol loaded chitosan nanoparticles modified with biotin and avidin to target hepatic carcinoma. <i>International Journal of Pharmaceutics</i> , 2013, 452, 355-362.	5.2	92
23	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1624-1628.	8.2	58
24	Effect of ultrasound irradiation on bacterial internalization and bacteria-mediated gene transfer to cancer cells. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1187-1193.	8.2	8
25	Discrimination between streptavidin and avidin with fluorescent affinity-based probes. <i>Analyst</i> , The, 2015, 140, 4648-4653.	3.5	13
26	Recent Developments in Magnetic Diagnostic Systems. <i>Chemical Reviews</i> , 2015, 115, 10690-10724.	47.7	239
27	Targeted and ultrasound-triggered cancer cell injury using perfluorocarbon emulsion-loaded liposomes endowed with cancer cell-targeting and fusogenic capabilities. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 54-61.	8.2	21
28	Characterization of therapeutic protein AvidinOX by an integrated analytical approach. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 553-564.	3.7	3
29	Impact of food processing on the structural and allergenic properties of egg white. <i>Trends in Food Science and Technology</i> , 2018, 78, 188-196.	15.1	77
30	Avidin Adsorption to Silk Fibroin Films as a Facile Method for Functionalization. <i>Biomacromolecules</i> , 2018, 19, 3705-3713.	5.4	19
31	Apatinib-loaded lipid nanobubbles combined with ultrasound-targeted nanobubble destruction for synergistic treatment of HepG2 cells in vitro. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 4785-4795.	2.0	23
32	Boosting Antitumor Drug Efficacy with Chemically Engineered Multidomain Proteins. <i>Advanced Science</i> , 2018, 5, 1701036.	11.2	22
33	Design strategy for germanium-rhodamine based pH-activatable near-infrared fluorescence probes suitable for biological applications. <i>Communications Chemistry</i> , 2019, 2, .	4.5	29