

Vesa HytÄĳnen

List of Publications by Year in descending order

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200
papers

6,143
citations

81743

39
h-index

102304

66
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206
all docs

206
docs citations

206
times ranked

7613
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and structural characterization of beta-carbonic anhydrase from the parasite <i>Trichomonas vaginalis</i> . <i>Journal of Molecular Medicine</i> , 2022, 100, 115-124.	1.7	4
2	Antigenicity and immunogenicity of HA2 and M2e influenza virus antigens conjugated to norovirus-like, VP1 capsid-based particles by the SpyTag/SpyCatcher technology. <i>Virology</i> , 2022, 566, 89-97.	1.1	8
3	Detection of cultured breast cancer cells from human tumor-derived matrix by differential ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1202, 339659.	2.6	4
4	Hepcidin is potential regulator for renin activity. <i>PLoS ONE</i> , 2022, 17, e0267343.	1.1	1
5	Rapid high-throughput compatible label-free virus particle quantification method based on time-resolved luminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4509-4518.	1.9	2
6	The production and biochemical characterization of $\hat{1}\pm$ -carbonic anhydrase from <i>Lactobacillus rhamnosus</i> GG. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4065-4074.	1.7	3
7	A reverse vaccinology approach on transmembrane carbonic anhydrases from <i>Plasmodium</i> species as vaccine candidates for malaria prevention. <i>Malaria Journal</i> , 2022, 21, .	0.8	2
8	Regenerable Biosensors for Small-Molecule Kinetic Characterization Using SPR. <i>SLAS Discovery</i> , 2021, 26, 730-739.	1.4	7
9	Modular vaccine platform based on the norovirus-like particle. <i>Journal of Nanobiotechnology</i> , 2021, 19, 25.	4.2	15
10	Activation of the $\hat{1}^2$ -carbonic anhydrase from the protozoan pathogen <i>Trichomonas vaginalis</i> with amines and amino acids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 758-763.	2.5	3
11	Cancer associated talin point mutations disorganise cell adhesion and migration. <i>Scientific Reports</i> , 2021, 11, 347.	1.6	18
12	Structural and functional analysis of LIM domain-dependent recruitment of paxillin to $\hat{1}\pm\hat{v}^23$ integrin-positive focal adhesions. <i>Communications Biology</i> , 2021, 4, 380.	2.0	15
13	Bacterial avidins are a widely distributed protein family in Actinobacteria, Proteobacteria and Bacteroidetes. <i>Bmc Ecology and Evolution</i> , 2021, 21, 53.	0.7	7
14	Polyphenols Epigallocatechin Gallate and Resveratrol, and Polyphenol-Functionalized Nanoparticles Prevent Enterovirus Infection through Clustering and Stabilization of the Viruses. <i>Pharmaceutics</i> , 2021, 13, 1182.	2.0	15
15	Comparative analysis of two paradigm bacteriophytochromes reveals opposite functionalities in two-component signaling. <i>Nature Communications</i> , 2021, 12, 4394.	5.8	22
16	Surface Modification of Bioresorbable Phosphate Glasses for Controlled Protein Adsorption. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4483-4493.	2.6	10
17	Surface Modification of Bioactive Glass Promotes Cell Attachment and Spreading. <i>ACS Omega</i> , 2021, 6, 22635-22642.	1.6	8
18	Avidin-Conjugated Nanofibrillar Cellulose Hydrogel Functionalized with Biotinylated Fibronectin and Vitronectin Promotes 3D Culture of Fibroblasts. <i>Biomacromolecules</i> , 2021, 22, 4122-4137.	2.6	5

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19	Coxsackievirus B Vaccines Prevent Infection-Accelerated Diabetes in NOD Mice and Have No Disease-Inducing Effect. <i>Diabetes</i> , 2021, 70, 2871-2878.	0.3	19
20	Inhibition of the \hat{I}^2 -carbonic anhydrase from the protozoan pathogen <i>Trichomonas vaginalis</i> with sulphonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 330-335.	2.5	4
21	Extrusion-Based Bioprinting of Multilayered Nanocellulose Constructs for Cell Cultivation Using <i>In Situ</i> Freezing and Preprint CaCl_2 Cross-Linking. <i>ACS Omega</i> , 2021, 6, 569-578.	1.6	13
22	Competitive binding assay for biotin and biotin derivatives, based on avidin and biotin-4-fluorescein. <i>Methods in Enzymology</i> , 2020, 633, 1-20.	0.4	5
23	Syndecan-4 tunes cell mechanics by activating the kindlin-integrin-RhoA pathway. <i>Nature Materials</i> , 2020, 19, 669-678.	13.3	66
24	The F1 loop of the talin head domain acts as a gatekeeper in integrin activation and clustering. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	18
25	Mechanical Unfolding of Proteins—A Comparative Nonequilibrium Molecular Dynamics Study. <i>Biophysical Journal</i> , 2020, 119, 939-949.	0.2	7
26	Inhibition of the newly discovered \hat{I}^2 -carbonic anhydrase from the protozoan pathogen <i>Trichomonas vaginalis</i> with inorganic anions and small molecules. <i>Journal of Inorganic Biochemistry</i> , 2020, 213, 111274.	1.5	10
27	Sulphonamide inhibition profile of <i>Staphylococcus aureus</i> \hat{I}^2 -carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1834-1839.	2.5	15
28	Modern Tools for Rapid Diagnostics of Antimicrobial Resistance. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 308.	1.8	156
29	Rotavirus Inner Capsid VP6 Acts as an Adjuvant in Formulations with Particulate Antigens Only. <i>Vaccines</i> , 2020, 8, 365.	2.1	7
30	Structural Insight into CVB3-VLP Non-Adjuvanted Vaccine. <i>Microorganisms</i> , 2020, 8, 1287.	1.6	8
31	Crystal structure of the FERM-folded talin head reveals the determinants for integrin binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32402-32412.	3.3	26
32	A hexavalent Coxsackievirus B vaccine is highly immunogenic and has a strong protective capacity in mice and nonhuman primates. <i>Science Advances</i> , 2020, 6, eaaz2433.	4.7	55
33	Biochemical and structural characterisation of a protozoan beta-carbonic anhydrase from <i>Trichomonas vaginalis</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1292-1299.	2.5	19
34	Induction of ligand promiscuity of \hat{I}^2 integrin by mechanical force. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	22
35	Multiplexed High-Throughput Serological Assay for Human Enteroviruses. <i>Microorganisms</i> , 2020, 8, 963.	1.6	5
36	(Strept)avidin as a template for ligands other than biotin: An overview. <i>Methods in Enzymology</i> , 2020, 633, 21-28.	0.4	3

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37	Talin Rod Mechanical Unfolding: In Silico Study using Both Boxed and Steered Molecular Dynamics. <i>Biophysical Journal</i> , 2020, 118, 125a.	0.2	1
38	Antibody Responses against Enterovirus Proteases are Potential Markers for an Acute Infection. <i>Viruses</i> , 2020, 12, 78.	1.5	7
39	Cyanidin-3- β -glucoside binds to talin and modulates colon cancer cell adhesions and 3D growth. <i>FASEB Journal</i> , 2020, 34, 2227-2237.	0.2	21
40	Cell Adhesion by Integrins. <i>Physiological Reviews</i> , 2019, 99, 1655-1699.	13.1	250
41	Design of modular gellan gum hydrogel functionalized with avidin and biotinylated adhesive ligands for cell culture applications. <i>PLoS ONE</i> , 2019, 14, e0221931.	1.1	10
42	Formalin treatment increases the stability and immunogenicity of coxsackievirus B1 VLP vaccine. <i>Antiviral Research</i> , 2019, 171, 104595.	1.9	15
43	A comparative study of the effect of UV and formalin inactivation on the stability and immunogenicity of a Coxsackievirus B1 vaccine. <i>Vaccine</i> , 2019, 37, 5962-5971.	1.7	19
44	Competition for Membrane Receptors: Norovirus Detachment via Lectin Attachment. <i>Journal of the American Chemical Society</i> , 2019, 141, 16303-16311.	6.6	18
45	Combination of three virus-derived nanoparticles as a vaccine against enteric pathogens; enterovirus, norovirus and rotavirus. <i>Vaccine</i> , 2019, 37, 7509-7518.	1.7	19
46	Intellectin 3 is dispensable for resistance against a mycobacterial infection in zebrafish (<i>Danio rerio</i>). <i>Scientific Reports</i> , 2019, 9, 995.	1.6	11
47	Identifying yeasts using surface enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 299-307.	2.0	21
48	β 1D-integrin splice variant stabilizes integrin dynamics and reduces integrin signaling by limiting paxillin recruitment. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	17
49	Talin-mediated force transmission and talin rod domain unfolding independently regulate adhesion signaling. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	38
50	Molecular features of steroid-binding antidiuretics and their use for assaying serum progesterone. <i>PLoS ONE</i> , 2019, 14, e0212339.	1.1	2
51	Approaching infinite affinity through engineering of peptide-protein interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26523-26533.	3.3	163
52	Host Cell Calpains Can Cleave Structural Proteins from the Enterovirus Polyprotein. <i>Viruses</i> , 2019, 11, 1106.	1.5	7
53	Phosphorylated immunoreceptor tyrosine-based activation motifs and integrin cytoplasmic domains activate spleen tyrosine kinase via distinct mechanisms. <i>Journal of Biological Chemistry</i> , 2018, 293, 4591-4602.	1.6	18
54	Membrane Deformation Induces Clustering of Norovirus Bound to Glycosphingolipids in a Supported Cell-Membrane Mimic. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2278-2284.	2.1	12

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55	Expression of Exogenous Antigens in the <i>Mycobacterium bovis</i> BCG Vaccine via Non-genetic Surface Decoration with the Avidin-biotin System. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	0
56	New Coxsackievirus 2Apro and 3Cpro protease antibodies for virus detection and discovery of pathogenic mechanisms. <i>Journal of Virological Methods</i> , 2018, 255, 29-37.	1.0	13
57	StructureMapper: a high-throughput algorithm for analyzing protein sequence locations in structural data. <i>Bioinformatics</i> , 2018, 34, 2302-2304.	1.8	1
58	A novel rat CVB1-VP1 monoclonal antibody 3A6 detects a broad range of enteroviruses. <i>Scientific Reports</i> , 2018, 8, 33.	1.6	18
59	A Coxsackievirus B vaccine protects against virus-induced diabetes in an experimental mouse model of type 1 diabetes. <i>Diabetologia</i> , 2018, 61, 476-481.	2.9	58
60	Surface Characteristics Control the Attachment and Functionality of (Chimeric) Avidin. <i>Langmuir</i> , 2018, 34, 15335-15342.	1.6	5
61	A DNA-actuated nanoparticle actuator enabling optical monitoring of nanoscale movements induced by an electric field. <i>Nanoscale</i> , 2018, 10, 19297-19309.	2.8	8
62	Mechanical unfolding reveals stable 3-helix intermediates in talin and β -catenin. <i>PLoS Computational Biology</i> , 2018, 14, e1006126.	1.5	15
63	Mechanotransduction in talin through the interaction of the R8 domain with DLC1. <i>PLoS Biology</i> , 2018, 16, e2005599.	2.6	62
64	Molecular tools for selective recovery and detection of lignin-derived molecules. <i>Green Chemistry</i> , 2018, 20, 2829-2839.	4.6	8
65	Involvement of β -Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	13
66	Quantitative pigment extraction analysis for human pluripotent stem cell derived retinal pigment epithelial cells. <i>IFMBE Proceedings</i> , 2018, , 61-64.	0.2	1
67	The molecular basis of talin2's high affinity toward β 1-integrin. <i>Scientific Reports</i> , 2017, 7, 41989.	1.6	9
68	Stable immobilisation of His-tagged proteins on BLI biosensor surface using cobalt. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 104-113.	4.0	24
69	Mechanical stability of talin rod controls cell migration and substrate sensing. <i>Scientific Reports</i> , 2017, 7, 3571.	1.6	44
70	3D-Printable Bioactivated Nanocellulose-Alginate Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21959-21970.	4.0	252
71	Optimized production and purification of Coxsackievirus B1 vaccine and its preclinical evaluation in a mouse model. <i>Vaccine</i> , 2017, 35, 3718-3725.	1.7	27
72	Synergistic Expression of Histone Deacetylase 9 and Matrix Metalloproteinase 12 in M4 Macrophages in Advanced Carotid Plaques. <i>European Journal of Vascular and Endovascular Surgery</i> , 2017, 53, 632-640.	0.8	16

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73	Coordinated multi-cell resource allocation for 5G ultra-reliable low latency communications. , 2017, , .		16
74	Optimized Streptavidin for Fluorescent Labeling of Biotinylated Targets. Cell Chemical Biology, 2017, 24, 921-922.	2.5	4
75	Synergistic enhancement via plasmonic nanoplate-bacteria-nanorod supercrystals for highly efficient SERS sensing of food-borne bacteria. Sensors and Actuators B: Chemical, 2017, 239, 515-525.	4.0	36
76	Search for KPNA7 cargo proteins in human cells reveals MVP and ZNF414 as novel regulators of cancer cell growth. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 211-219.	1.8	13
77	Mixture of PLA–PEG and biotinylated albumin enables immobilization of avidins on electrospun fibers. Journal of Biomedical Materials Research - Part A, 2017, 105, 356-362.	2.1	11
78	Therapeutic proteins in bioactive materials for wound healing. , 2017, , 273-295.		0
79	Priming of innate antimycobacterial immunity by heat-killed <i>Listeria monocytogenes</i> induces sterilizing response in the adult zebrafish tuberculosis model. DMM Disease Models and Mechanisms, 2017, 11, .	1.2	5
80	Structural characterization of core-bradavidin in complex with biotin. PLoS ONE, 2017, 12, e0176086.	1.1	2
81	Pneumatically actuated elastomeric device for simultaneous mechanobiological studies and live-cell fluorescent microscopy. , 2017, , .		2
82	Identification and characterization of a novel zebrafish (<i>Danio rerio</i>) pentraxin–carbonic anhydrase. PeerJ, 2017, 5, e4128.	0.9	8
83	Abstract LB-272: KPNA7 nuclear import protein - a key regulator of cancer cell growth and nuclear morphology. , 2017, , .		0
84	All Subdomains of the Talin Rod Are Mechanically Vulnerable and May Contribute To Cellular Mechanosensing. ACS Nano, 2016, 10, 6648-6658.	7.3	61
85	Talin2-mediated traction force drives matrix degradation and cell invasion. Journal of Cell Science, 2016, 129, 3661-3674.	1.2	32
86	Toward Single Electron Nanoelectronics Using Self-Assembled DNA Structure. Nano Letters, 2016, 16, 6780-6786.	4.5	44
87	Core–Shell Nanorod Columnar Array Combined with Gold Nanoplate–Nanosphere Assemblies Enable Powerful In Situ SERS Detection of Bacteria. ACS Applied Materials & Interfaces, 2016, 8, 24394-24403.	4.0	36
88	Talin and vinculin are downregulated in atherosclerotic plaque; Tampere Vascular Study. Atherosclerosis, 2016, 255, 43-53.	0.4	35
89	Improved antifouling properties and selective biofunctionalization of stainless steel by employing heterobifunctional silane-polyethylene glycol overlayers and avidin-biotin technology. Scientific Reports, 2016, 6, 29324.	1.6	21
90	Enteroviral proteases: structure, host interactions and pathogenicity. Reviews in Medical Virology, 2016, 26, 251-267.	3.9	72

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91	Horizontal transfer of \hat{I}^2 -carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. <i>Parasites and Vectors</i> , 2016, 9, 152.	1.0	21
92	SERS detection of cell surface and intracellular components of microorganisms using nano-aggregated Ag substrate. <i>Vibrational Spectroscopy</i> , 2016, 83, 36-45.	1.2	44
93	Regenerative biosensor chips based on switchable mutants of avidin—A systematic study. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 646-654.	4.0	8
94	Artificial Avidin-Based Receptors for a Panel of Small Molecules. <i>ACS Chemical Biology</i> , 2016, 11, 211-221.	1.6	6
95	Mechanosensing in cell—matrix adhesions — Converting tension into chemical signals. <i>Experimental Cell Research</i> , 2016, 343, 35-41.	1.2	84
96	Biolayer Interferometry: A Novel Method to Elucidate Protein—Protein and Protein—DNA Interactions in the Mitochondrial DNA Replisome. <i>Methods in Molecular Biology</i> , 2016, 1351, 223-231.	0.4	25
97	The Minor Capsid Protein VP11 of Thermophilic Bacteriophage P23-77 Facilitates Virus Assembly by Using Lipid-Protein Interactions. <i>Journal of Virology</i> , 2015, 89, 7593-7603.	1.5	6
98	Food Supplementation Reveals Constraints and Adaptability of Egg Quality in the Magpie <i>Pica pica</i> . <i>Avian Biology Research</i> , 2015, 8, 244-253.	0.4	4
99	Dynamic piezoelectric stimulation enhances osteogenic differentiation of human adipose stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2172-2175.	2.1	148
100	Enhancement of adhesion and promotion of osteogenic differentiation of human adipose stem cells by poled electroactive poly(vinylidene fluoride). <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 919-928.	2.1	63
101	Neutralized Chimeric Avidin Binding at a Reference Biosensor Surface. <i>Langmuir</i> , 2015, 31, 1921-1930.	1.6	23
102	Kindlin 3 (FERMT3) is associated with unstable atherosclerotic plaques, anti-inflammatory type II macrophages and upregulation of beta-2 integrins in all major arterial beds. <i>Atherosclerosis</i> , 2015, 242, 145-154.	0.4	29
103	Rapid and sensitive detection of norovirus antibodies in human serum with a biolayer interferometry biosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 507-514.	4.0	34
104	His-tagged norovirus-like particles: A versatile platform for cellular delivery and surface display. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 22-31.	2.0	39
105	PIP2 and Talin Join Forces to Activate Integrin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12381-12389.	1.2	27
106	Efficient preparation of shuffled DNA libraries through recombination (Gateway) cloning. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 23-28.	1.0	7
107	Improving the Immunogenicity of the <i>Mycobacterium bovis</i> BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS ONE</i> , 2015, 10, e0145833.	1.1	9
108	Chimeric Avidin — NMR Structure and Dynamics of a 56 kDa Homotetrameric Thermostable Protein. <i>PLoS ONE</i> , 2014, 9, e100564.	1.1	1

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109	pH-Dependent Deformations of the Energy Landscape of Avidin-like Proteins Investigated by Single Molecule Force Spectroscopy. <i>Molecules</i> , 2014, 19, 12531-12546.	1.7	10
110	Switchavidin: Reversible Biotin–Avidin–Biotin Bridges with High Affinity and Specificity. <i>Bioconjugate Chemistry</i> , 2014, 25, 2233-2243.	1.8	28
111	Beta carbonic anhydrases: novel targets for pesticides and anti-parasitic agents in agriculture and livestock husbandry. <i>Parasites and Vectors</i> , 2014, 7, 403.	1.0	24
112	Biofunctional hybrid materials: bimolecular organosilane monolayers on FeCr alloys. <i>Nanotechnology</i> , 2014, 25, 435603.	1.3	6
113	Kinetics of bioconjugate nanoparticle label binding in a sandwich-type immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 493-503.	1.9	5
114	Coxsackievirus B3 VLPs purified by ion exchange chromatography elicit strong immune responses in mice. <i>Antiviral Research</i> , 2014, 104, 93-101.	1.9	37
115	Talin-bound NPLY motif recruits integrin-signaling adapters to regulate cell spreading and mechanosensing. <i>Journal of Cell Biology</i> , 2014, 205, 265-281.	2.3	40
116	Protein conformation as a regulator of cell–matrix adhesion. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6342-6357.	1.3	37
117	Investigating the binding behaviour of two avidin–based testosterone binders using molecular recognition force spectroscopy. <i>Journal of Molecular Recognition</i> , 2014, 27, 92-97.	1.1	4
118	Connection between Absorption Properties and Conformational Changes in <i>Deinococcus radiodurans</i> Phytochrome. <i>Biochemistry</i> , 2014, 53, 7076-7085.	1.2	24
119	Cationic polymer brush-modified cellulose nanocrystals for high-affinity virus binding. <i>Nanoscale</i> , 2014, 6, 11871-11881.	2.8	92
120	Positive association between biotin and the abundance of root-feeding nematodes. <i>Soil Biology and Biochemistry</i> , 2014, 73, 93-95.	4.2	7
121	The talin–integrin interface under mechanical stress. <i>Molecular BioSystems</i> , 2014, 10, 3217-3228.	2.9	12
122	Global Analysis of Human Nonreceptor Tyrosine Kinase Specificity Using High-Density Peptide Microarrays. <i>Journal of Proteome Research</i> , 2014, 13, 4339-4346.	1.8	42
123	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 102-109.	2.5	9
124	A Novel Chimeric Avidin with Increased Thermal Stability Using DNA Shuffling. <i>PLoS ONE</i> , 2014, 9, e92058.	1.1	11
125	Maternal Morbidity and Estimates from Community Studies in India. <i>MGM Journal of Medical Sciences</i> , 2014, 1, 56-64.	0.1	2
126	The highly dynamic oligomeric structure of bradavidin II is unique among avidin proteins. <i>Protein Science</i> , 2013, 22, 980-994.	3.1	16

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127	Resonance assignments of the 56 kDa chimeric avidin in the biotin-bound and free forms. <i>Biomolecular NMR Assignments</i> , 2013, 7, 35-38.	0.4	1
128	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. <i>Bioconjugate Chemistry</i> , 2013, 24, 1656-1668.	1.8	14
129	Proprotein Convertase Subtilisin/Kexin Type 7 (PCSK7) Is Essential for the Zebrafish Development and Bioavailability of Transforming Growth Factor β 1a (TGF β 1a)*. <i>Journal of Biological Chemistry</i> , 2013, 288, 36610-36623.	1.6	14
130	Association of Neuroimmune Guidance Cue Netrin-1 and Its Chemorepulsive Receptor UNC5B With Atherosclerotic Plaque Expression Signatures and Stability in Human(s). <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 579-587.	5.1	33
131	Zebavidin - An Avidin-Like Protein from Zebrafish. <i>PLoS ONE</i> , 2013, 8, e77207.	1.1	18
132	Structural and Functional Characteristics of Chimeric Avidins Physically Adsorbed onto Functionalized Polythiophene Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4067-4077.	4.0	15
133	DNA family shuffling within the chicken avidin protein family – A shortcut to more powerful protein tools. <i>Journal of Biotechnology</i> , 2012, 157, 38-49.	1.9	12
134	Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 440-448.	4.0	13
135	Peptide-functionalized chitosan-DNA nanoparticles for cellular targeting. <i>Carbohydrate Polymers</i> , 2012, 89, 948-954.	5.1	13
136	GFP's Mechanical Intermediate States. <i>PLoS ONE</i> , 2012, 7, e46962.	1.1	25
137	Protein-Protein Interactions: Inhibition of Mammalian Carbonic Anhydrases IX by the Murine Inhibitor of Carbonic Anhydrase and Other Members of the Transferrin Family. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5529-5535.	2.9	27
138	A comparison of immunogenicity of norovirus GII.4 virus-like particles and P particles. <i>Immunology</i> , 2012, 135, 89-99.	2.0	83
139	Production and characterization of virus-like particles and the P domain protein of GII.4 norovirus. <i>Journal of Virological Methods</i> , 2012, 179, 1-7.	1.0	38
140	Purification of norovirus-like particles (VLPs) by ion exchange chromatography. <i>Journal of Virological Methods</i> , 2012, 181, 6-11.	1.0	31
141	Printable and flexible macroporous organosilica film with high protein adsorption capacity. <i>Thin Solid Films</i> , 2012, 520, 1934-1937.	0.8	3
142	Structure of Bradavidin – C-Terminal Residues Act as Intrinsic Ligands. <i>PLoS ONE</i> , 2012, 7, e35962.	1.1	8
143	Growth of immobilized DNA by polymerase: bridging nanoelectrodes with individual dsDNA molecules. <i>Nanoscale</i> , 2011, 3, 3788.	2.8	5
144	Covalent Biofunctionalization of Cellulose Acetate with Thermostable Chimeric Avidin. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2240-2245.	4.0	11

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145	Defined-size DNA triple crossover construct for molecular electronics: modification, positioning and conductance properties. <i>Nanotechnology</i> , 2011, 22, 275610.	1.3	15
146	Construction of Chimeric Dual-Chain Avidin by Tandem Fusion of the Related Avidins. <i>PLoS ONE</i> , 2011, 6, e20535.	1.1	6
147	Versatile bio-ink for covalent immobilization of chimeric avidin on sol-gel substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 409-414.	2.5	12
148	Modification of the loops in the ligand-binding site turns avidin into a steroid-binding protein. <i>BMC Biotechnology</i> , 2011, 11, 64.	1.7	9
149	Identification of proprotein convertase substrates using genome-wide expression correlation analysis. <i>BMC Genomics</i> , 2011, 12, 618.	1.2	16
150	Prevalence of norovirus GII-4 antibodies in Finnish children. <i>Journal of Medical Virology</i> , 2011, 83, 525-531.	2.5	67
151	Chimeric avidin shows stability against harsh chemical conditions—biochemical analysis and 3D structure. <i>Biotechnology and Bioengineering</i> , 2011, 108, 481-490.	1.7	35
152	WINSE: WiMAX NS-2 extension. <i>Simulation</i> , 2011, 87, 24-44.	1.1	8
153	Acetaldehyde-derived modifications on cytosolic human carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 862-870.	2.5	22
154	Bifunctional Avidin with Covalently Modifiable Ligand Binding Site. <i>PLoS ONE</i> , 2011, 6, e16576.	1.1	15
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