

# Vesa HytÄñnen

## List of Publications by Year in descending order

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200  
papers

6,143  
citations

81900

39  
h-index

102487

66  
g-index

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.	3.9	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.	2.4	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.	5.4	4
4	Hepcidin is potential regulator for renin activity. <i>PLoS ONE</i> , 2022, 17, e0267343.	2.5	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.	3.7	2
6	The production and biochemical characterization of $\beta$ -carbonic anhydrase from <i>Lactobacillus rhamnosus</i> GG. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4065-4074.	3.6	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, .	2.3	2
8	Regenerable Biosensors for Small-Molecule Kinetic Characterization Using SPR. <i>SLAS Discovery</i> , 2021, 26, 730-739.	2.7	7
9	Modular vaccine platform based on the norovirus-like particle. <i>Journal of Nanobiotechnology</i> , 2021, 19, 25.	9.1	15
10	Activation of the $\beta$ -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.	5.2	3
11	Cancer associated talin point mutations disorganise cell adhesion and migration. <i>Scientific Reports</i> , 2021, 11, 347.	3.3	18
12	Structural and functional analysis of LIM domain-dependent recruitment of paxillin to $\beta_3$ integrin-positive focal adhesions. <i>Communications Biology</i> , 2021, 4, 380.	4.4	15
13	Bacterial avidins are a widely distributed protein family in Actinobacteria, Proteobacteria and Bacteroidetes. <i>Bmc Ecology and Evolution</i> , 2021, 21, 53.	1.6	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.	4.5	15
15	Comparative analysis of two paradigm bacteriophytochromes reveals opposite functionalities in two-component signaling. <i>Nature Communications</i> , 2021, 12, 4394.	12.8	22
16	Surface Modification of Bioresorbable Phosphate Glasses for Controlled Protein Adsorption. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4483-4493.	5.2	10
17	Surface Modification of Bioactive Glass Promotes Cell Attachment and Spreading. <i>ACS Omega</i> , 2021, 6, 22635-22642.	3.5	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.	5.4	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.	0.6	19
20	Inhibition of the $\hat{1}^2$ -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.	5.2	4
21	Extrusion-Based Bioprinting of Multilayered Nanocellulose Constructs for Cell Cultivation Using <i>In Situ</i> Freezing and Preprint $\text{CaCl}_2$ Cross-Linking. <i>ACS Omega</i> , 2021, 6, 569-578.	3.5	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.	1.0	5
23	Syndecan-4 tunes cell mechanics by activating the kindlin-integrin-RhoA pathway. <i>Nature Materials</i> , 2020, 19, 669-678.	27.5	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, .	2.0	18
25	Mechanical Unfolding of Proteins—A Comparative Nonequilibrium Molecular Dynamics Study. <i>Biophysical Journal</i> , 2020, 119, 939-949.	0.5	7
26	Inhibition of the newly discovered $\hat{1}^2$ -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.	3.5	10
27	Sulphonamide inhibition profile of <i>Staphylococcus aureus</i> $\hat{1}^2$ -carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1834-1839.	5.2	15
28	Modern Tools for Rapid Diagnostics of Antimicrobial Resistance. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 308.	3.9	156
29	Rotavirus Inner Capsid VP6 Acts as an Adjuvant in Formulations with Particulate Antigens Only. <i>Vaccines</i> , 2020, 8, 365.	4.4	7
30	Structural Insight into CVB3-VLP Non-Adjuvanted Vaccine. <i>Microorganisms</i> , 2020, 8, 1287.	3.6	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.	7.1	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.	10.3	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.	5.2	19
34	Induction of ligand promiscuity of $\hat{1}^2$ integrin by mechanical force. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	22
35	Multiplexed High-Throughput Serological Assay for Human Enteroviruses. <i>Microorganisms</i> , 2020, 8, 963.	3.6	5
36	(Strept)avidin as a template for ligands other than biotin: An overview. <i>Methods in Enzymology</i> , 2020, 633, 21-28.	1.0	3

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37	Talin Rod Mechanical Unfolding: In Silico Study using Both Boxed and Steered Molecular Dynamics. Biophysical Journal, 2020, 118, 125a.	0.5	1
38	Antibody Responses against Enterovirus Proteases are Potential Markers for an Acute Infection. Viruses, 2020, 12, 78.	3.3	7
39	Cyanidin-3-glucoside binds to talin and modulates colon cancer cell adhesions and 3D growth. FASEB Journal, 2020, 34, 2227-2237.	0.5	21
40	Cell Adhesion by Integrins. Physiological Reviews, 2019, 99, 1655-1699.	28.8	250
41	Design of modular gellan gum hydrogel functionalized with avidin and biotinylated adhesive ligands for cell culture applications. PLoS ONE, 2019, 14, e0221931.	2.5	10
42	Formalin treatment increases the stability and immunogenicity of coxsackievirus B1 VLP vaccine. Antiviral Research, 2019, 171, 104595.	4.1	15
43	A comparative study of the effect of UV and formalin inactivation on the stability and immunogenicity of a Coxsackievirus B1 vaccine. Vaccine, 2019, 37, 5962-5971.	3.8	19
44	Competition for Membrane Receptors: Norovirus Detachment via Lectin Attachment. Journal of the American Chemical Society, 2019, 141, 16303-16311.	13.7	18
45	Combination of three virus-derived nanoparticles as a vaccine against enteric pathogens; enterovirus, norovirus and rotavirus. Vaccine, 2019, 37, 7509-7518.	3.8	19
46	Intelectin 3 is dispensable for resistance against a mycobacterial infection in zebrafish (Danio rerio). Scientific Reports, 2019, 9, 995.	3.3	11
47	Identifying yeasts using surface enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 299-307.	3.9	21
48	Î21D-integrin splice variant stabilizes integrin dynamics and reduces integrin signaling by limiting paxillin recruitment. Journal of Cell Science, 2019, 132, .	2.0	17
49	Talin-mediated force transmission and talin rod domain unfolding independently regulate adhesion signaling. Journal of Cell Science, 2019, 132, .	2.0	38
50	Molecular features of steroid-binding antidins and their use for assaying serum progesterone. PLoS ONE, 2019, 14, e0212339.	2.5	2
51	Approaching infinite affinity through engineering of peptide-protein interaction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26523-26533.	7.1	163
52	Host Cell Calpains Can Cleave Structural Proteins from the Enterovirus Polyprotein. Viruses, 2019, 11, 1106.	3.3	7
53	Phosphorylated immunoreceptor tyrosine-based activation motifs and integrin cytoplasmic domains activate spleen tyrosine kinase via distinct mechanisms. Journal of Biological Chemistry, 2018, 293, 4591-4602.	3.4	18
54	Membrane Deformation Induces Clustering of Norovirus Bound to Glycosphingolipids in a Supported Cell-Membrane Mimic. Journal of Physical Chemistry Letters, 2018, 9, 2278-2284.	4.6	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, , .	0.3	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.	2.1	13
57	StructureMapper: a high-throughput algorithm for analyzing protein sequence locations in structural data. <i>Bioinformatics</i> , 2018, 34, 2302-2304.	4.1	1
58	A novel rat CVB1-VP1 monoclonal antibody 3A6 detects a broad range of enteroviruses. <i>Scientific Reports</i> , 2018, 8, 33.	3.3	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.	6.3	58
60	Surface Characteristics Control the Attachment and Functionality of (Chimeric) Avidin. <i>Langmuir</i> , 2018, 34, 15335-15342.	3.5	5
61	A DNA-actuator enabling optical monitoring of nanoscale movements induced by an electric field. <i>Nanoscale</i> , 2018, 10, 19297-19309.	5.6	8
62	Mechanical unfolding reveals stable 3-helix intermediates in talin and $\beta$ -catenin. <i>PLoS Computational Biology</i> , 2018, 14, e1006126.	3.2	15
63	Mechanotransduction in talin through the interaction of the R8 domain with DLC1. <i>PLoS Biology</i> , 2018, 16, e2005599.	5.6	62
64	Molecular tools for selective recovery and detection of lignin-derived molecules. <i>Green Chemistry</i> , 2018, 20, 2829-2839.	9.0	8
65	Involvement of $\beta$ -Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	13
66	Quantitative pigment extraction analysis for human pluripotent stem cell derived retinal pigment epithelial cells. <i>IFMBE Proceedings</i> , 2018, , 61-64.	0.3	1
67	The molecular basis of talin's high affinity toward $\beta$ 1-integrin. <i>Scientific Reports</i> , 2017, 7, 41989.	3.3	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.	7.8	24
69	Mechanical stability of talin rod controls cell migration and substrate sensing. <i>Scientific Reports</i> , 2017, 7, 3571.	3.3	44
70	3D-Printable Bioactivated Nanocellulose-Alginate Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21959-21970.	8.0	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.	3.8	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.	1.5	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.	5.2	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.	7.8	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.	3.8	13
77	Mixture of PLA&#x2013;PEG and biotinylated albumin enables immobilization of avidins on electrospun fibers. Journal of Biomedical Materials Research - Part A, 2017, 105, 356-362.	4.0	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, .	2.4	5
80	Structural characterization of core-bradavidin in complex with biotin. PLoS ONE, 2017, 12, e0176086.	2.5	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&#x2013;carbonic anhydrase. PeerJ, 2017, 5, e4128.	2.0	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.	14.6	61
85	Talin2-mediated traction force drives matrix degradation and cell invasion. Journal of Cell Science, 2016, 129, 3661-3674.	2.0	32
86	Toward Single Electron Nanoelectronics Using Self-Assembled DNA Structure. Nano Letters, 2016, 16, 6780-6786.	9.1	44
87	Core&#x2013;Shell Nanorod Columnar Array Combined with Gold Nanoplate&#x2013;Nanosphere Assemblies Enable Powerful In Situ SERS Detection of Bacteria. ACS Applied Materials & Interfaces, 2016, 8, 24394-24403.	8.0	36
88	Talin and vinculin are downregulated in atherosclerotic plaque; Tampere Vascular Study. Atherosclerosis, 2016, 255, 43-53.	0.8	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.	3.3	21
90	Enteroviral proteases: structure, host interactions and pathogenicity. Reviews in Medical Virology, 2016, 26, 251-267.	8.3	72

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91	Horizontal transfer of $\beta$ -carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. <i>Parasites and Vectors</i> , 2016, 9, 152.	2.5	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.	2.2	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.	7.8	8
94	Artificial Avidin-Based Receptors for a Panel of Small Molecules. <i>ACS Chemical Biology</i> , 2016, 11, 211-221.	3.4	6
95	Mechanosensing in cell—matrix adhesions — Converting tension into chemical signals. <i>Experimental Cell Research</i> , 2016, 343, 35-41.	2.6	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.	0.9	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.	3.4	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.	0.9	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.	4.0	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.	4.0	63
101	Neutralized Chimeric Avidin Binding at a Reference Biosensor Surface. <i>Langmuir</i> , 2015, 31, 1921-1930.	3.5	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.	0.8	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.	7.8	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.	4.3	39
105	PIP2 and Talin Join Forces to Activate Integrin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12381-12389.	2.6	27
106	Efficient preparation of shuffled DNA libraries through recombination (Gateway) cloning. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 23-28.	2.1	7
107	Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. <i>PLoS ONE</i> , 2015, 10, e0145833.	2.5	9
108	Chimeric Avidin — NMR Structure and Dynamics of a 56 kDa Homotetrameric Thermostable Protein. <i>PLoS ONE</i> , 2014, 9, e100564.	2.5	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.	3.8	10
110	Switchavidin: Reversible Biotin–Avidin–Biotin Bridges with High Affinity and Specificity. <i>Bioconjugate Chemistry</i> , 2014, 25, 2233-2243.	3.6	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.	2.5	24
112	Biofunctional hybrid materials: bimolecular organosilane monolayers on FeCr alloys. <i>Nanotechnology</i> , 2014, 25, 435603.	2.6	6
113	Kinetics of bioconjugate nanoparticle label binding in a sandwich-type immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 493-503.	3.7	5
114	Coxsackievirus B3 VLPs purified by ion exchange chromatography elicit strong immune responses in mice. <i>Antiviral Research</i> , 2014, 104, 93-101.	4.1	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.	5.2	40
116	Protein conformation as a regulator of cell–matrix adhesion. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6342-6357.	2.8	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.	2.1	4
118	Connection between Absorption Properties and Conformational Changes in <i>Deinococcus radiodurans</i> Phytochrome. <i>Biochemistry</i> , 2014, 53, 7076-7085.	2.5	24
119	Cationic polymer brush-modified cellulose nanocrystals for high-affinity virus binding. <i>Nanoscale</i> , 2014, 6, 11871-11881.	5.6	92
120	Positive association between biotin and the abundance of root-feeding nematodes. <i>Soil Biology and Biochemistry</i> , 2014, 73, 93-95.	8.8	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.	3.7	42
123	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 102-109.	5.0	9
124	A Novel Chimeric Avidin with Increased Thermal Stability Using DNA Shuffling. <i>PLoS ONE</i> , 2014, 9, e92058.	2.5	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.	7.6	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.	0.8	1
128	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. <i>Bioconjugate Chemistry</i> , 2013, 24, 1656-1668.	3.6	14
129	Proprotein Convertase Subtilisin/Kexin Type 7 (PCSK7) Is Essential for the Zebrafish Development and Bioavailability of Transforming Growth Factor $\beta$ 1a (TGF $\beta$ 1a)*. <i>Journal of Biological Chemistry</i> , 2013, 288, 36610-36623.	3.4	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.	2.5	18
132	Structural and Functional Characteristics of Chimeric Avidins Physically Adsorbed onto Functionalized Polythiophene Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4067-4077.	8.0	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.	3.8	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.	7.8	13
135	Peptide-functionalized chitosan–DNA nanoparticles for cellular targeting. <i>Carbohydrate Polymers</i> , 2012, 89, 948-954.	10.2	13
136	GFP's Mechanical Intermediate States. <i>PLoS ONE</i> , 2012, 7, e46962.	2.5	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.	6.4	27
138	A comparison of immunogenicity of norovirus GII.4 virus-like particles and P particles. <i>Immunology</i> , 2012, 135, 89-99.	4.4	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.	2.1	38
140	Purification of norovirus-like particles (VLPs) by ion exchange chromatography. <i>Journal of Virological Methods</i> , 2012, 181, 6-11.	2.1	31
141	Printable and flexible macroporous organosilica film with high protein adsorption capacity. <i>Thin Solid Films</i> , 2012, 520, 1934-1937.	1.8	3
142	Structure of Bradavidin – C-Terminal Residues Act as Intrinsic Ligands. <i>PLoS ONE</i> , 2012, 7, e35962.	2.5	8
143	Growth of immobilized DNA by polymerase: bridging nanoelectrodes with individual dsDNA molecules. <i>Nanoscale</i> , 2011, 3, 3788.	5.6	5
144	Covalent Biofunctionalization of Cellulose Acetate with Thermostable Chimeric Avidin. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2240-2245.	8.0	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.	2.6	15
146	Construction of Chimeric Dual-Chain Avidin by Tandem Fusion of the Related Avidins. <i>PLoS ONE</i> , 2011, 6, e20535.	2.5	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.	5.0	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.	3.3	9
149	Identification of proprotein convertase substrates using genome-wide expression correlation analysis. <i>BMC Genomics</i> , 2011, 12, 618.	2.8	16
150	Prevalence of norovirus GII-4 antibodies in Finnish children. <i>Journal of Medical Virology</i> , 2011, 83, 525-531.	5.0	67
151	Chimeric avidin shows stability against harsh chemical conditions—biochemical analysis and 3D structure. <i>Biotechnology and Bioengineering</i> , 2011, 108, 481-490.	3.3	35
152	WINSE: WiMAX NS-2 extension. <i>Simulation</i> , 2011, 87, 24-44.	1.8	8
153	Acetaldehyde-derived modifications on cytosolic human carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 862-870.	5.2	22
154	Bifunctional Avidin with Covalently Modifiable Ligand Binding Site. <i>PLoS ONE</i> , 2011, 6, e16576.	2.5	15
155	A comparison of methods for purification and concentration of norovirus GII-4 capsid virus-like particles. <i>Archives of Virology</i> , 2010, 155, 1855-1858.	2.1	77
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