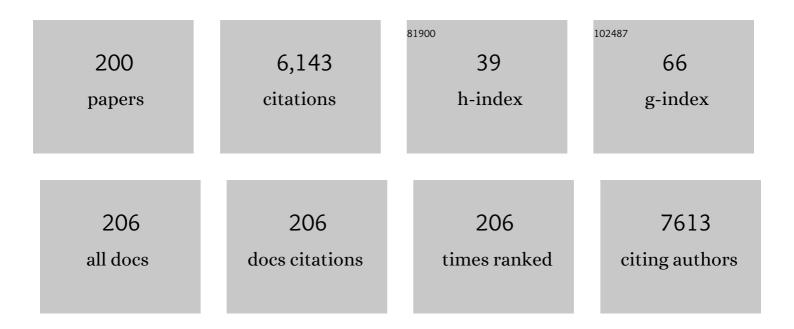
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Genetically engineered avidins and streptavidins. Cellular and Molecular Life Sciences, 2006, 63, 2992-3017.	5.4	286
2	3D-Printable Bioactivated Nanocellulose–Alginate Hydrogels. ACS Applied Materials & Interfaces, 2017, 9, 21959-21970.	8.0	252
3	Cell Adhesion by Integrins. Physiological Reviews, 2019, 99, 1655-1699.	28.8	250
4	Brave new (strept)avidins in biotechnology. Trends in Biotechnology, 2007, 25, 269-277.	9.3	168
5	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
6	Modern Tools for Rapid Diagnostics of Antimicrobial Resistance. Frontiers in Cellular and Infection Microbiology, 2020, 10, 308.	3.9	156
7	New PI(4,5)P2- and membrane proximal integrin–binding motifs in the talin head control β3-integrin clustering. Journal of Cell Biology, 2009, 187, 715-731.	5.2	153
8	Dynamic piezoelectric stimulation enhances osteogenic differentiation of human adipose stem cells. Journal of Biomedical Materials Research - Part A, 2015, 103, 2172-2175.	4.0	148
9	How Force Might Activate Talin's Vinculin Binding Sites: SMD Reveals a Structural Mechanism. PLoS Computational Biology, 2008, 4, e24.	3.2	145
10	Internalization of novel non-viral vector TAT-streptavidin into human cells. BMC Biotechnology, 2007, 7, 1.	3.3	119
11	Cationic polymer brush-modified cellulose nanocrystals for high-affinity virus binding. Nanoscale, 2014, 6, 11871-11881.	5.6	92
12	Enhanced Gene Delivery by Avidin-Displaying Baculovirus. Molecular Therapy, 2004, 9, 282-291.	8.2	91
13	Mechanosensing in cell–matrix adhesions – Converting tension into chemical signals. Experimental Cell Research, 2016, 343, 35-41.	2.6	84
14	A comparison of immunogenicity of norovirus GIIâ€4 virusâ€like particles and Pâ€particles. Immunology, 2012, 135, 89-99.	4.4	83
15	Carbon Nanotubes as Electrodes for Dielectrophoresis of DNA. Nano Letters, 2006, 6, 1339-1343.	9.1	78
16	A comparison of methods for purification and concentration of norovirus GII-4 capsid virus-like particles. Archives of Virology, 2010, 155, 1855-1858.	2.1	77
17	Characterization of the first beta-class carbonic anhydrase from an arthropod (Drosophila) Tj ETQq1 1 0.784314 Biochemistry, 2010, 11, 28.	rgBT /Ov 4.4	erlock 10 Tf 72
18	Enteroviral proteases: structure, host interactions and pathogenicity. Reviews in Medical Virology, 2016. 26. 251-267.	8.3	72

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19	Trapping of 27 bp–8 kbp DNA and immobilization of thiol-modified DNA using dielectrophoresis. Nanotechnology, 2007, 18, 295204.	2.6	68
20	Dielectrophoresis of nanoscale double-stranded DNA and humidity effects on its electrical conductivity. Applied Physics Letters, 2005, 87, 183102.	3.3	67
21	Prevalence of norovirus Gllâ€4 antibodies in Finnish children. Journal of Medical Virology, 2011, 83, 525-531.	5.0	67
22	Improved generation of recombinant baculovirus genomes in Escherichia coli. Nucleic Acids Research, 2003, 31, 101e-101.	14.5	66
23	Syndecan-4 tunes cell mechanics by activating the kindlin-integrin-RhoA pathway. Nature Materials, 2020, 19, 669-678.	27.5	66
24	Efficient production of active chicken avidin using a bacterial signal peptide in Escherichia coli. Biochemical Journal, 2004, 384, 385-390.	3.7	64
25	Enhancement of adhesion and promotion of osteogenic differentiation of human adipose stem cells by poled electroactive poly(vinylidene fluoride). Journal of Biomedical Materials Research - Part A, 2015, 103, 919-928.	4.0	63
26	Rational Design of an Active Avidin Monomer. Journal of Biological Chemistry, 2003, 278, 4010-4014.	3.4	62
27	Mechanotransduction in talin through the interaction of the R8 domain with DLC1. PLoS Biology, 2018, 16, e2005599.	5.6	62
28	All Subdomains of the Talin Rod Are Mechanically Vulnerable and May Contribute To Cellular Mechanosensing. ACS Nano, 2016, 10, 6648-6658.	14.6	61
29	Novel Avidin-like Protein from a Root Nodule Symbiotic Bacterium, Bradyrhizobium japonicum. Journal of Biological Chemistry, 2005, 280, 13250-13255.	3.4	60
30	A Coxsackievirus B vaccine protects against virus-induced diabetes in an experimental mouse model of type 1 diabetes. Diabetologia, 2018, 61, 476-481.	6.3	58
31	A hexavalent Coxsackievirus B vaccine is highly immunogenic and has a strong protective capacity in mice and nonhuman primates. Science Advances, 2020, 6, eaaz2433.	10.3	55
32	Characterization of poultry egg-white avidins and their potential as a tool in pretargeting cancer treatment. Biochemical Journal, 2003, 372, 219-225.	3.7	52
33	Chicken avidin-related proteins show altered biotin-binding and physico-chemical properties as compared with avidin. Biochemical Journal, 2002, 363, 609-617.	3.7	47
34	Design and Construction of Highly Stable, Protease-resistant Chimeric Avidins. Journal of Biological Chemistry, 2005, 280, 10228-10233.	3.4	47
35	Chicken Avidin-related Protein 4/5 Shows Superior Thermal Stability when Compared with Avidin while Retaining High Affinity to Biotin. Journal of Biological Chemistry, 2004, 279, 9337-9343.	3.4	44
36	A multipurpose vector system for the screening of libraries in bacteria, insect and mammalian cells and expression in vivo. Nucleic Acids Research, 2005, 33, e42-e42.	14.5	44

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37	Crystal Structure of Rhizavidin: Insights into the Enigmatic High-Affinity Interaction of an Innate Biotin-Binding Protein Dimer. Journal of Molecular Biology, 2009, 386, 379-390.	4.2	44
38	Toward Single Electron Nanoelectronics Using Self-Assembled DNA Structure. Nano Letters, 2016, 16, 6780-6786.	9.1	44
39	SERS detection of cell surface and intracellular components of microorganisms using nano-aggregated Ag substrate. Vibrational Spectroscopy, 2016, 83, 36-45.	2.2	44
40	Mechanical stability of talin rod controls cell migration and substrate sensing. Scientific Reports, 2017, 7, 3571.	3.3	44
41	Global Analysis of Human Nonreceptor Tyrosine Kinase Specificity Using High-Density Peptide Microarrays. Journal of Proteome Research, 2014, 13, 4339-4346.	3.7	42
42	Talin-bound NPLY motif recruits integrin-signaling adapters to regulate cell spreading and mechanosensing. Journal of Cell Biology, 2014, 205, 265-281.	5.2	40
43	His-tagged norovirus-like particles: A versatile platform for cellular delivery and surface display. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 22-31.	4.3	39
44	Production and characterization of virus-like particles and the P domain protein of GII.4 norovirus. Journal of Virological Methods, 2012, 179, 1-7.	2.1	38
45	Talin-mediated force transmission and talin rod domain unfolding independently regulate adhesion signaling. Journal of Cell Science, 2019, 132, .	2.0	38
46	Chicken avidin-related proteins show altered biotin-binding and physico-chemical properties as compared with avidin. Biochemical Journal, 2002, 363, 609.	3.7	37
47	Coxsackievirus B3 VLPs purified by ion exchange chromatography elicit strong immune responses in mice. Antiviral Research, 2014, 104, 93-101.	4.1	37
48	Protein conformation as a regulator of cell–matrix adhesion. Physical Chemistry Chemical Physics, 2014, 16, 6342-6357.	2.8	37
49	Introduction of histidine residues into avidin subunit interfaces allows pH-dependent regulation of quaternary structure and biotin binding. FEBS Letters, 2003, 555, 449-454.	2.8	36
50	Binding Properties of HABA-Type Azo Derivatives to Avidin and Avidin-Related Protein 4. Chemistry and Biology, 2006, 13, 1029-1039.	6.0	36
51	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.	8.0	36
52	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
53	Construction of a Dual Chain Pseudotetrameric Chicken Avidin by Combining Two Circularly Permuted Avidins. Journal of Biological Chemistry, 2004, 279, 36715-36719.	3.4	35
54	Chimeric avidin shows stability against harsh chemical conditions—biochemical analysis and 3D structure. Biotechnology and Bioengineering, 2011, 108, 481-490.	3.3	35

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55	Talin and vinculin are downregulated in atherosclerotic plaque; Tampere Vascular Study. Atherosclerosis, 2016, 255, 43-53.	0.8	35
56	Rapid and sensitive detection of norovirus antibodies in human serum with a biolayer interferometry biosensor. Sensors and Actuators B: Chemical, 2015, 221, 507-514.	7.8	34
57	Tetravalent single-chain avidin: from subunits to protein domains via circularly permuted avidins. Biochemical Journal, 2005, 392, 485-491.	3.7	33
58	Association of Neuroimmune Guidance Cue Netrin-1 and Its Chemorepulsive Receptor UNC5B With Atherosclerotic Plaque Expression Signatures and Stability in Human(s). Circulation: Cardiovascular Genetics, 2013, 6, 579-587.	5.1	33
59	Talin2-mediated traction force drives matrix degradation and cell invasion. Journal of Cell Science, 2016, 129, 3661-3674.	2.0	32
60	Enhancing the Thermal Stability of Avidin. Journal of Biological Chemistry, 2003, 278, 2479-2483.	3.4	31
61	High-resolution crystal structure of an avidin-related protein: insight into high-affinity biotin binding and protein stability. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 528-538.	2.5	31
62	Purification of norovirus-like particles (VLPs) by ion exchange chromatography. Journal of Virological Methods, 2012, 181, 6-11.	2.1	31
63	Mutation of the important Tyr-33 residue of chicken avidin: functional and structural consequences. Biochemical Journal, 2003, 369, 249-254.	3.7	30
64	Analysis of a shortened form of human carbonic anhydrase VII expressed in vitro compared to the full-length enzyme. Biochimie, 2010, 92, 1072-1080.	2.6	29
65	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. Atherosclerosis, 2015, 242, 145-154.	0.8	29
66	Switchavidin: Reversible Biotin–Avidin–Biotin Bridges with High Affinity and Specificity. Bioconjugate Chemistry, 2014, 25, 2233-2243.	3.6	28
67	Dual-affinity avidin molecules. Proteins: Structure, Function and Bioinformatics, 2005, 61, 597-607.	2.6	27
68	Protein–Protein Interactions: Inhibition of Mammalian Carbonic Anhydrases I–XV by the Murine Inhibitor of Carbonic Anhydrase and Other Members of the Transferrin Family. Journal of Medicinal Chemistry, 2012, 55, 5529-5535.	6.4	27
69	PIP2 and Talin Join Forces to Activate Integrin. Journal of Physical Chemistry B, 2015, 119, 12381-12389.	2.6	27
70	Optimized production and purification of Coxsackievirus B1 vaccine and its preclinical evaluation in a mouse model. Vaccine, 2017, 35, 3718-3725.	3.8	27
71	Bradavidin II from Bradyrhizobium japonicum: A new avidin-like biotin-binding protein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1002-1010.	2.3	26
72	Crystal structure of the FERM-folded talin head reveals the determinants for integrin binding. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32402-32412.	7.1	26

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73	Avidin related protein 2 shows unique structural and functional features among the avidin protein family. BMC Biotechnology, 2005, 5, 28.	3.3	25
74	Structural and functional characteristics of xenavidin, the first frog avidin from Xenopus tropicalis. BMC Structural Biology, 2009, 9, 63.	2.3	25
75	GFP's Mechanical Intermediate States. PLoS ONE, 2012, 7, e46962.	2.5	25
76	Biolayer Interferometry: A Novel Method to Elucidate Protein–Protein and Protein–DNA Interactions in the Mitochondrial DNA Replisome. Methods in Molecular Biology, 2016, 1351, 223-231.	0.9	25
77	Rational Modification of Ligandâ€Binding Preference of Avidin by Circular Permutation and Mutagenesis. ChemBioChem, 2008, 9, 1124-1135.	2.6	24
78	Beta carbonic anhydrases: novel targets for pesticides and anti-parasitic agents in agriculture and livestock husbandry. Parasites and Vectors, 2014, 7, 403.	2.5	24
79	Connection between Absorption Properties and Conformational Changes in <i>Deinococcus radiodurans</i> Phytochrome. Biochemistry, 2014, 53, 7076-7085.	2.5	24
80	Stable immobilisation of His-tagged proteins on BLI biosensor surface using cobalt. Sensors and Actuators B: Chemical, 2017, 243, 104-113.	7.8	24
81	Neutralized Chimeric Avidin Binding at a Reference Biosensor Surface. Langmuir, 2015, 31, 1921-1930.	3.5	23
82	Acetaldehyde-derived modifications on cytosolic human carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 862-870.	5.2	22
83	Induction of ligand promiscuity of $\hat{I}\pm V\hat{I}^2$ 3 integrin by mechanical force. Journal of Cell Science, 2020, 133, .	2.0	22
84	Comparative analysis of two paradigm bacteriophytochromes reveals opposite functionalities in two-component signaling. Nature Communications, 2021, 12, 4394.	12.8	22
85	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
86	Horizontal transfer of β-carbonic anhydrase genes from prokaryotes to protozoans, insects, and nematodes. Parasites and Vectors, 2016, 9, 152.	2.5	21
87	Identifying yeasts using surface enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 299-307.	3.9	21
88	Cyanidinâ€3â€glucoside binds to talin and modulates colon cancer cell adhesions and 3D growth. FASEB Journal, 2020, 34, 2227-2237.	0.5	21
89	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
90	Combination of three virus-derived nanoparticles as a vaccine against enteric pathogens; enterovirus, norovirus and rotavirus. Vaccine, 2019, 37, 7509-7518.	3.8	19

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91	Biochemical and structural characterisation of a protozoan beta-carbonic anhydrase from <i>Trichomonas vaginalis</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1292-1299.	5.2	19
92	Coxsackievirus B Vaccines Prevent Infection-Accelerated Diabetes in NOD Mice and Have No Disease-Inducing Effect. Diabetes, 2021, 70, 2871-2878.	0.6	19
93	Zebavidin - An Avidin-Like Protein from Zebrafish. PLoS ONE, 2013, 8, e77207.	2.5	18
94	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
95	A novel rat CVB1-VP1 monoclonal antibody 3A6 detects a broad range of enteroviruses. Scientific Reports, 2018, 8, 33.	3.3	18
96	Competition for Membrane Receptors: Norovirus Detachment via Lectin Attachment. Journal of the American Chemical Society, 2019, 141, 16303-16311.	13.7	18
97	The F1 loop of the talin head domain acts as a gatekeeper in integrin activation and clustering. Journal of Cell Science, 2020, 133, .	2.0	18
98	Cancer associated talin point mutations disorganise cell adhesion and migration. Scientific Reports, 2021, 11, 347.	3.3	18
99	β1D-integrin splice variant stabilizes integrin dynamics and reduces integrin signaling by limiting paxillin recruitment. Journal of Cell Science, 2019, 132, .	2.0	17
100	Structure and characterization of a novel chicken biotin-binding protein A (BBP-A). BMC Structural Biology, 2007, 7, 8.	2.3	16
101	Identification of proprotein convertase substrates using genome-wide expression correlation analysis. BMC Genomics, 2011, 12, 618.	2.8	16
102	The highly dynamic oligomeric structure of bradavidin II is unique among avidin proteins. Protein Science, 2013, 22, 980-994.	7.6	16
103	Synergistic Expression of Histone Deacetylase 9 and Matrix Metalloproteinase 12 in M4 Macrophages in Advanced Carotid Plaques. European Journal of Vascular and Endovascular Surgery, 2017, 53, 632-640.	1.5	16
104	Coordinated multi-cell resource allocation for 5G ultra-reliable low latency communications. , 2017, ,		16
105	Controlling Quaternary Structure Assembly: Subunit Interface Engineering and Crystal Structure of Dual Chain Avidin. Journal of Molecular Biology, 2006, 359, 1352-1363.	4.2	15
106	Defined-size DNA triple crossover construct for molecular electronics: modification, positioning and conductance properties. Nanotechnology, 2011, 22, 275610.	2.6	15
107	Structural and Functional Characteristics of Chimeric Avidins Physically Adsorbed onto Functionalized Polythiophene Thin Films. ACS Applied Materials & Interfaces, 2012, 4, 4067-4077.	8.0	15
108	Mechanical unfolding reveals stable 3-helix intermediates in talin and α-catenin. PLoS Computational Biology, 2018, 14, e1006126.	3.2	15

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109	Formalin treatment increases the stability and immunogenicity of coxsackievirus B1 VLP vaccine. Antiviral Research, 2019, 171, 104595.	4.1	15
110	Sulphonamide inhibition profile of <i>Staphylococcus aureus</i> β-carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1834-1839.	5.2	15
111	Modular vaccine platform based on the norovirus-like particle. Journal of Nanobiotechnology, 2021, 19, 25.	9.1	15
112	Structural and functional analysis of LIM domain-dependent recruitment of paxillin to $\hat{1}\pm\nu\hat{1}^2$ 3 integrin-positive focal adhesions. Communications Biology, 2021, 4, 380.	4.4	15
113	Polyphenols Epigallocatechin Gallate and Resveratrol, and Polyphenol-Functionalized Nanoparticles Prevent Enterovirus Infection through Clustering and Stabilization of the Viruses. Pharmaceutics, 2021, 13, 1182.	4.5	15
114	Bifunctional Avidin with Covalently Modifiable Ligand Binding Site. PLoS ONE, 2011, 6, e16576.	2.5	15
115	Chicken genome analysis reveals novel genes encoding biotin-binding proteins related to avidin family. BMC Genomics, 2005, 6, 41.	2.8	14
116	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. Bioconjugate Chemistry, 2013, 24, 1656-1668.	3.6	14
117	Proprotein Convertase Subtilisin/Kexin Type 7 (PCSK7) Is Essential for the Zebrafish Development and Bioavailability of Transforming Growth Factor β1a (TGFβ1a)*. Journal of Biological Chemistry, 2013, 288, 36610-36623.	3.4	14
118	Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold. Sensors and Actuators B: Chemical, 2012, 171-172, 440-448.	7.8	13
119	Peptide-functionalized chitosan–DNA nanoparticles for cellular targeting. Carbohydrate Polymers, 2012, 89, 948-954.	10.2	13
120	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
121	New Coxsackievirus 2Apro and 3Cpro protease antibodies for virus detection and discovery of pathogenic mechanisms. Journal of Virological Methods, 2018, 255, 29-37.	2.1	13
122	Involvement of β-Carbonic Anhydrase Genes in Bacterial Genomic Islands and Their Horizontal Transfer to Protists. Applied and Environmental Microbiology, 2018, 84, .	3.1	13
123	Extrusion-Based Bioprinting of Multilayered Nanocellulose Constructs for Cell Cultivation Using <i>In Situ</i> Freezing and Preprint CaCl ₂ Cross-Linking. ACS Omega, 2021, 6, 569-578.	3.5	13
124	Versatile bio-ink for covalent immobilization of chimeric avidin on sol–gel substrates. Colloids and Surfaces B: Biointerfaces, 2011, 87, 409-414.	5.0	12
125	DNA family shuffling within the chicken avidin protein family – A shortcut to more powerful protein tools. Journal of Biotechnology, 2012, 157, 38-49.	3.8	12
126	The talin–integrin interface under mechanical stress. Molecular BioSystems, 2014, 10, 3217-3228.	2.9	12

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127	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
128	Covalent Biofunctionalization of Cellulose Acetate with Thermostable Chimeric Avidin. ACS Applied Materials & amp; Interfaces, 2011, 3, 2240-2245.	8.0	11
129	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.	4.0	11
130	Intelectin 3 is dispensable for resistance against a mycobacterial infection in zebrafish (Danio rerio). Scientific Reports, 2019, 9, 995.	3.3	11
131	A Novel Chimeric Avidin with Increased Thermal Stability Using DNA Shuffling. PLoS ONE, 2014, 9, e92058.	2.5	11
132	pH-Dependent Deformations of the Energy Landscape of Avidin-like Proteins Investigated by Single Molecule Force Spectroscopy. Molecules, 2014, 19, 12531-12546.	3.8	10
133	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
134	Inhibition of the newly discovered β‑carbonic anhydrase from the protozoan pathogen Trichomonas vaginalis with inorganic anions and small molecules. Journal of Inorganic Biochemistry, 2020, 213, 111274.	3.5	10
135	Surface Modification of Bioresorbable Phosphate Glasses for Controlled Protein Adsorption. ACS Biomaterials Science and Engineering, 2021, 7, 4483-4493.	5.2	10
136	Modification of the loops in the ligand-binding site turns avidin into a steroid-binding protein. BMC Biotechnology, 2011, 11, 64.	3.3	9
137	Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 120, 102-109.	5.0	9
138	The molecular basis of talin2's high affinity toward β1-integrin. Scientific Reports, 2017, 7, 41989.	3.3	9
139	Improving the Immunogenicity of the Mycobacterium bovis BCG Vaccine by Non-Genetic Bacterial Surface Decoration Using the Avidin-Biotin System. PLoS ONE, 2015, 10, e0145833.	2.5	9
140	Dielectrophoresis as a tool for nanoscale DNA manipulation. International Journal of Nanotechnology, 2005, 2, 280.	0.2	8
141	Factors Dictating the Pseudocatalytic Efficiency of Avidins. Journal of Molecular Biology, 2006, 358, 754-763.	4.2	8
142	WINSE: WiMAX NS-2 extension. Simulation, 2011, 87, 24-44.	1.8	8
143	Regenerative biosensor chips based on switchable mutants of avidin—A systematic study. Sensors and Actuators B: Chemical, 2016, 229, 646-654.	7.8	8
144	A DNA–nanoparticle actuator enabling optical monitoring of nanoscale movements induced by an electric field. Nanoscale, 2018, 10, 19297-19309.	5.6	8

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145	Molecular tools for selective recovery and detection of lignin-derived molecules. Green Chemistry, 2018, 20, 2829-2839.	9.0	8
146	Structural Insight into CVB3-VLP Non-Adjuvanted Vaccine. Microorganisms, 2020, 8, 1287.	3.6	8
147	Surface Modification of Bioactive Glass Promotes Cell Attachment and Spreading. ACS Omega, 2021, 6, 22635-22642.	3.5	8
148	Structure of Bradavidin – C-Terminal Residues Act as Intrinsic Ligands. PLoS ONE, 2012, 7, e35962.	2.5	8
149	Identification and characterization of a novel zebrafish (<i>Danio rerio</i>) pentraxin–carbonic anhydrase. PeerJ, 2017, 5, e4128.	2.0	8
150	Antigenicity and immunogenicity of HA2 and M2e influenza virus antigens conjugated to norovirus-like, VP1 capsid-based particles by the SpyTag/SpyCatcher technology. Virology, 2022, 566, 89-97.	2.4	8
151	Positive association between biotin and the abundance of root-feeding nematodes. Soil Biology and Biochemistry, 2014, 73, 93-95.	8.8	7
152	Efficient preparation of shuffled DNA libraries through recombination (Gateway) cloning. Protein Engineering, Design and Selection, 2015, 28, 23-28.	2.1	7
153	Host Cell Calpains Can Cleave Structural Proteins from the Enterovirus Polyprotein. Viruses, 2019, 11, 1106.	3.3	7
154	Mechanical Unfolding of Proteins—A Comparative Nonequilibrium Molecular Dynamics Study. Biophysical Journal, 2020, 119, 939-949.	0.5	7
155	Rotavirus Inner Capsid VP6 Acts as an Adjuvant in Formulations with Particulate Antigens Only. Vaccines, 2020, 8, 365.	4.4	7
156	Antibody Responses against Enterovirus Proteases are Potential Markers for an Acute Infection. Viruses, 2020, 12, 78.	3.3	7
157	Regenerable Biosensors for Small-Molecule Kinetic Characterization Using SPR. SLAS Discovery, 2021, 26, 730-739.	2.7	7
158	Bacterial avidins are a widely distributed protein family in Actinobacteria, Proteobacteria and Bacteroidetes. Bmc Ecology and Evolution, 2021, 21, 53.	1.6	7
159	Construction of Chimeric Dual-Chain Avidin by Tandem Fusion of the Related Avidins. PLoS ONE, 2011, 6, e20535.	2.5	6
160	Biofunctional hybrid materials: bimolecular organosilane monolayers on FeCr alloys. Nanotechnology, 2014, 25, 435603.	2.6	6
161	The Minor Capsid Protein VP11 of Thermophilic Bacteriophage P23-77 Facilitates Virus Assembly by Using Lipid-Protein Interactions. Journal of Virology, 2015, 89, 7593-7603.	3.4	6
162	Artificial Avidin-Based Receptors for a Panel of Small Molecules. ACS Chemical Biology, 2016, 11, 211-221.	3.4	6

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163	Critical importance of loop conformation to avidin-enhanced hydrolysis of an active biotin ester. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 302-308.	2.5	5
164	Growth of immobilized DNA by polymerase: bridging nanoelectrodes with individual dsDNA molecules. Nanoscale, 2011, 3, 3788.	5.6	5
165	Kinetics of bioconjugate nanoparticle label binding in a sandwich-type immunoassay. Analytical and Bioanalytical Chemistry, 2014, 406, 493-503.	3.7	5
166	Priming of innate antimycobacterial immunity by heat-killed Listeria monocytogenes induces sterilizing response in the adult zebrafish tuberculosis model. DMM Disease Models and Mechanisms, 2017, 11, .	2.4	5
167	Surface Characteristics Control the Attachment and Functionality of (Chimeric) Avidin. Langmuir, 2018, 34, 15335-15342.	3.5	5
168	Competitive binding assay for biotin and biotin derivatives, based on avidin and biotin-4-fluorescein. Methods in Enzymology, 2020, 633, 1-20.	1.0	5
169	Multiplexed High-Throughput Serological Assay for Human Enteroviruses. Microorganisms, 2020, 8, 963.	3.6	5
170	Avidin-Conjugated Nanofibrillar Cellulose Hydrogel Functionalized with Biotinylated Fibronectin and Vitronectin Promotes 3D Culture of Fibroblasts. Biomacromolecules, 2021, 22, 4122-4137.	5.4	5
171	Investigating the binding behaviour of two avidinâ€based testosterone binders using molecular recognition force spectroscopy. Journal of Molecular Recognition, 2014, 27, 92-97.	2.1	4
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