George P Anderson

List of Publications by Year
in descending order

171	9,596	46984 47	40954 93
papers	citations	h-index	g-index

175	175	175	7866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Assembly of CdSeâ˜'ZnS Quantum Dot Bioconjugates Using an Engineered Recombinant Protein. Journal of the American Chemical Society, 2000, 122, 12142-12150.	6.6	1,675
2	Multiplexed Toxin Analysis Using Four Colors of Quantum Dot Fluororeagents. Analytical Chemistry, 2004, 76, 684-688.	3.2	652
3	Avidin:â€‰ A Natural Bridge for Quantum Dot-Antibody Conjugates. Journal of the American Chemical Society, 2002, 124, 6378-6382.	6.6	518
4	Conjugation of Luminescent Quantum Dots with Antibodies Using an Engineered Adaptor Protein To Provide New Reagents for Fluoroimmunoassays. Analytical Chemistry, 2002, 74, 841-847.	3.2	430
5	Can Luminescent Quantum Dots Be Efficient Energy Acceptors with Organic Dye Donors?. Journal of the American Chemical Society, 2005, 127, 1242-1250.	6.6	269
6	Evanescent wave fluorescence biosensors. Biosensors and Bioelectronics, 2005, 20, 2470-2487.	5.3	260
7	Facile Generation of Heat-Stable Antiviral and Antitoxin Single Domain Antibodies from a Semisynthetic Llama Library. Analytical Chemistry, 2006, 78, 8245-8255.	3.2	169
8	Nine-Analyte Detection Using an Array-Based Biosensor. Analytical Chemistry, 2002, 74, 6114-6120.	3.2	145
9	Multi-wavelength microflow cytometer using groove-generated sheath flow. Lab on A Chip, 2009, 9, 1942.	3.1	140
10	Effectiveness of protein A for antibody immobilization for a fiber optic biosensor. Biosensors and Bioelectronics, 1997, 12, 329-336.	5.3	122
11	Preparation of Quantum Dotâ˜'Biotin Conjugates and Their Use in Immunochromatography Assays. Analytical Chemistry, 2003, 75, 4043-4049.	3.2	120
12	Use of Luminescent CdSe-ZnS Nanocrystal Bioconjugates in Quantum Dot-Based Nanosensors. Physica Status Solidi (B): Basic Research, 2002, 229, 427-432.	0.7	116
13	Fiber optic-based biosensor for ricin. Biosensors and Bioelectronics, 1997, 12, 937-945.	5.3	115
14	Evanescent wave fluorescence biosensors: Advances of the last decade. Biosensors and Bioelectronics, 2016, 76, 103-112.	5.3	115
15	Phage-displayed peptides as biosensor reagents. Journal of Molecular Recognition, 2000, 13, 382-387.	1.1	108
16	Multi-analyte interrogation using the fiber optic biosensor. Biosensors and Bioelectronics, 2000, 14, 771-777.	5.3	107
17	Selection of cholera toxin specific IgNAR single-domain antibodies from a naÃ¯ve shark library. Molecular Immunology, 2007, 44, 1775-1783.	1.0	104
18	Quantitating Staphylococcal Enterotoxin B in Diverse Media Using a Portable Fiber-Optic Biosensor. Analytical Biochemistry, 1996, 233, 50-57.	1.1	102

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19	Antimicrobial peptide-based array for Escherichia coli and Salmonella screening. Analytica Chimica Acta, 2006, 575, 9-15.	2.6	101
20	Multiplexed Detection of Bacteria and Toxins Using a Microflow Cytometer. Analytical Chemistry, 2009, 81, 5426-5432.	3.2	101
21	Self-assembled luminescent CdSeâ€"ZnS quantum dot bioconjugates prepared using engineered poly-histidine terminated proteins. Analytica Chimica Acta, 2005, 534, 63-67.	2.6	96
22	High affinity nanobodies block SARS-CoV-2 spike receptor binding domain interaction with human angiotensin converting enzyme. Scientific Reports, 2020, 10, 22370.	1.6	95
23	Improved fluoroimmunoassays using the dye Alexa Fluor 647 with the RAPTOR, a fiber optic biosensor. Journal of Immunological Methods, 2002, 271, 17-24.	0.6	90
24	A fiber optic biosensor: combination tapered fibers designed for improved signal acquisition. Biosensors and Bioelectronics, 1993, 8, 249-256.	5.3	88
25	TNT Detection Using Multiplexed Liquid Array Displacement Immunoassays. Analytical Chemistry, 2006, 78, 2279-2285.	3.2	86
26	Detecting staphylococcal enterotoxin B using an automated fiber optic biosensor. Biosensors and Bioelectronics, 1999, 14, 163-170.	5.3	82
27	An evanescent wave biosensor. II. Fluorescent signal acquisition from tapered fiber optic probes. IEEE Transactions on Biomedical Engineering, 1994, 41, 585-591.	2.5	79
28	Fluorometer and tapered fiber optic probes for sensing in the evanscent wave. Optical Engineering, 1992, 31, 1458.	0.5	71
29	Enhancing Stability of Camelid and Shark Single Domain Antibodies: An Overview. Frontiers in Immunology, 2017, 8, 865.	2.2	68
30	Selection of phage displayed peptides for the detection of 2,4,6-trinitrotoluene in seawater. Analytica Chimica Acta, 2002, 457, 13-19.	2.6	66
31	Insights into heparinâ€induced thrombocytopenia. British Journal of Haematology, 1992, 80, 504-508.	1.2	65
32	Luminescent Quantum Dot-Adaptor Protein-Antibody Conjugates for Use in Fluoroimmunoassays. Physica Status Solidi (B): Basic Research, 2002, 229, 407-414.	0.7	65
33	Nonantibody-based recognition: alternative molecules for detection of pathogens. Expert Review of Proteomics, 2006, 3, 511-524.	1.3	65
34	Nanoplasmonic pillars engineered for single exosome detection. PLoS ONE, 2018, 13, e0202773.	1.1	59
35	Remote Sensing Using an Airborne Biosensor. Environmental Science & Technology, 1998, 32, 2461-2466.	4.6	58
36	Development of Antiricin Single Domain Antibodies Toward Detection and Therapeutic Reagents. Analytical Chemistry, 2008, 80, 9604-9611.	3.2	58

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37	Single domain antibodyâ€"quantum dot conjugates for ricin detection by both fluoroimmunoassay and surface plasmon resonance. Analytica Chimica Acta, 2013, 786, 132-138.	2.6	58
38	Analysis of aqueous 2,4,6-trinitrotoluene (TNT) using a fluorescent displacement immunoassay. Analytical and Bioanalytical Chemistry, 2003, 375, 471-475.	1.9	55
39	Portable multichannel fiber optic biosensor for field detection. Optical Engineering, 1997, 36, 1008.	0.5	54
40	Oriented Immobilization of Single-Domain Antibodies Using SpyTag/SpyCatcher Yields Improved Limits of Detection. Analytical Chemistry, 2019, 91, 9424-9429.	3.2	54
41	Isolation of anti-toxin single domain antibodies from a semi-synthetic spiny dogfish shark display library. BMC Biotechnology, 2007, 7, 78.	1.7	53
42	Anti-GPIIb/IIIa (CD41) monoclonal antibody-induced platelet activation requires Fc receptor-dependent cell-cell interaction. British Journal of Haematology, 1991, 79, 75-83.	1.2	52
43	Fiber-Optic Biosensor for the Detection of Hazardous Materials. ImmunoMethods, 1993, 3, 122-127.	0.8	51
44	Detection of 2,4,6-trinitrotoluene in seawater using a reversed-displacement immunosensor. Analytical Biochemistry, 2002, 310, 36-41.	1.1	51
45	An evanescent wave biosensor. I. Fluorescent signal acquisition from step-etched fiber optic probes. IEEE Transactions on Biomedical Engineering, 1994, 41, 578-584.	2.5	50
46	Development of a Luminex Based Competitive Immunoassay for 2,4,6-Trinitrotoluene (TNT). Environmental Science & Technology, 2007, 41, 2888-2893.	4.6	50
47	Development of an evanescent wave fiber optic biosensor. IEEE Engineering in Medicine and Biology Magazine, 1994, 13, 358-363.	1.1	49
48	RAPTOR: A fluoroimmunoassay-based fiber optic sensor for detection of biological threats. IEEE Sensors Journal, 2003, 3, 352-360.	2.4	49
49	Thermostable Llama Single Domain Antibodies for Detection of Botulinum A Neurotoxin Complex. Analytical Chemistry, 2008, 80, 8583-8591.	3.2	49
50	Multiplexed magnetic microsphere immunoassays for detection of pathogens in foods. Sensing and Instrumentation for Food Quality and Safety, 2010, 4, 73-81.	1.5	48
51	Microcapillary reversed-displacement immunosensor for trace level detection of TNT in seawater. Analytica Chimica Acta, 2004, 525, 199-204.	2.6	46
52	TNT detection using llama antibodies and a two-step competitive fluid array immunoassay. Journal of Immunological Methods, 2008, 339, 47-54.	0.6	46
53	Binding Kinetics of Antiricin Single Domain Antibodies and Improved Detection Using a B Chain Specific Binder. Analytical Chemistry, 2010, 82, 7202-7207.	3.2	45
54	Optimizing Protein Coordination to Quantum Dots with Designer Peptidyl Linkers. Bioconjugate Chemistry, 2013, 24, 269-281.	1.8	45

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55	Ultrasensitive Detection of Ricin Toxin in Multiple Sample Matrixes Using Single-Domain Antibodies. Analytical Chemistry, 2015, 87, 6570-6577.	3.2	45
56	Evaluation of Disulfide Bond Position to Enhance the Thermal Stability of a Highly Stable Single Domain Antibody. PLoS ONE, 2014, 9, e115405.	1.1	43
57	The Effect of Tapering the Optical Fiber on Evanescent Wave Measurements. Analytical Letters, 1992, 25, 1183-1199.	1.0	41
58	Thermal stability and refolding capability of shark derived single domain antibodies. Molecular Immunology, 2014, 59, 194-199.	1.0	41
59	Automated Fiber Optic Biosensor for Multiplexed Immunoassays. Environmental Science & Technology, 2000, 34, 2845-2850.	4.6	40
60	2,4,6-Trinitrotoluene detection using recombinant antibodies. Journal of Environmental Monitoring, 2003, 5, 380.	2.1	40
61	Rugged Single Domain Antibody Detection Elements for Bacillus anthracis Spores and Vegetative Cells. PLoS ONE, 2012, 7, e32801.	1.1	40
62	Isolation of a Highly Thermal Stable Lama Single Domain Antibody Specific for Staphylococcus aureusEnterotoxin B. BMC Biotechnology, 2011, 11, 86.	1.7	38
63	General Strategy for Biosensor Design and Construction Employing Multifunctional Surface-Tethered Components. Analytical Chemistry, 2004, 76, 5620-5629.	3.2	37
64	Enhanced production of a single domain antibody with an engineered stabilizing extra disulfide bond. Microbial Cell Factories, 2015, 14, 158.	1.9	37
65	Immunodiagnostic reagents using llama single domain antibodyâ€“alkaline phosphatase fusion proteins. Analytical Biochemistry, 2011, 417, 188-194.	1.1	35
66	Improving the biophysical properties of anti-ricin single-domain antibodies. Biotechnology Reports (Amsterdam, Netherlands), 2015, 6, 27-35.	2.1	35
67	Regeneration of immobilized antibodies on fiber optic probes. Biosensors and Bioelectronics, 1994, 9, 585-592.	5.3	34
68	Biological agent detection with the use of an airborne biosensor. Field Analytical Chemistry and Technology, 1999, 3, 307-314.	0.9	34
69	Detection of Fumonisin B1 and Ochratoxin A in Grain Products Using Microsphere-Based Fluid Array Immunoassays. Toxins, 2010, 2, 297-309.	1.5	34
70	Enhanced stabilization of a stable single domain antibody for SEB toxin by random mutagenesis and stringent selection. Protein Engineering, Design and Selection, 2014, 27, 89-95.	1.0	34
71	Comparison of detection and signal amplification methods for DNA microarrays. Molecular and Cellular Probes, 2008, 22, 294-300.	0.9	33
72	Ricin Detection Using Phage Displayed Single Domain Antibodies. Sensors, 2009, 9, 542-555.	2.1	33

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73	Single domain antibodyâ€"alkaline phosphatase fusion proteins for antigen detection â€" Analysis of affinity and thermal stability of single domain antibody. Journal of Immunological Methods, 2013, 393, 1-7.	0.6	33
74	Contributions of the Complementarity Determining Regions to the Thermal Stability of a Single-Domain Antibody. PLoS ONE, 2013, 8, e77678.	1.1	33
75	Detection of 2,4,6-Trinitrotoluene in Environmental Samples Using a Homogeneous Fluoroimmunoassay. Environmental Science & Technology, 2003, 37, 4733-4736.	4.6	31
76	Assay Development for a Portable Fiberoptic Biosensor. ASAIO Journal, 1996, 42, 942-946.	0.9	30
77	Fluoroimmunoassays Using Antibody-Conjugated Quantum Dots. , 2005, 303, 019-034.		30
78	Amplification of microsphere-based microarrays using catalyzed reporter deposition. Biosensors and Bioelectronics, 2008, 24, 324-328.	5.3	30
79	Comparison of single domain antibody immobilization strategies evaluated by surface plasmon resonance. Journal of Immunological Methods, 2013, 388, 68-77.	0.6	30
80	Single-Domain Antibodies for the Detection of SARS-CoV-2 Nucleocapsid Protein. Analytical Chemistry, 2021, 93, 7283-7291.	3.2	30
81	Next-Generation Sequencing of a Single Domain Antibody Repertoire Reveals Quality of Phage Display Selected Candidates. PLoS ONE, 2016, 11, e0149393.	1.1	30
82	Llama-derived single-domain antibodies for the detection of botulinum A neurotoxin. Analytical and Bioanalytical Chemistry, 2010, 398, 339-348.	1.9	29
83	Nanoparticle cellular uptake by dendritic wedge peptides: achieving single peptide facilitated delivery. Nanoscale, 2017, 9, 10447-10464.	2.8	28
84	Antimicrobial Peptides: New Recognition Molecules for Detecting Botulinum Toxins. Sensors, 2007, 7, 2808-2824.	2.1	27
85	A hard microflow cytometer using groove-generated sheath flow for multiplexed bead and cell assays. Analytical and Bioanalytical Chemistry, 2010, 398, 1871-1881.	1.9	27
86	Plastocyanin conformation: The effect of the oxidation state on the pKa of nitrotyrosine-83. Biochimica Et Biophysica Acta - Bioenergetics, 1985, 810, 123-131.	0.5	26
87	Spectral Tuning of Organic Nanocolloids by Controlled Molecular Interactions. ACS Nano, 2009, 3, 3214-3220.	7.3	26
88	Quantifying Serum Antiplague Antibody with a Fiber-Optic Biosensor. Vaccine Journal, 1998, 5, 609-612.	2.6	26
89	Plastocyanin conformation. An analysis of its near ultraviolet absorption and circular dichroic spectra. Biophysical Journal, 1986, 49, 891-900.	0.2	25
90	Amplification of immunoassays using phage-displayed single domain antibodies. Journal of Immunological Methods, 2010, 352, 182-185.	0.6	25

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91	Colloidal Semiconductor Quantum Dot Conjugates in Biosensing. , 2002, , 537-569.		24
92	Improved production of single domain antibodies with two disulfide bonds by co-expression of chaperone proteins in the Escherichia coli periplasm. Journal of Immunological Methods, 2017, 443, 64-67.	0.6	24
93	Selection, characterization, and thermal stabilization of llama single domain antibodies towards Ebola virus glycoprotein. Microbial Cell Factories, 2017, 16, 223.	1.9	24
94	Evaluation of anti-botulinum neurotoxin single domain antibodies with additional optimization for improved production and stability. Toxicon, 2017, 135, 51-58.	0.8	23
95	Selection and characterization of protective anti-chikungunya virus single domain antibodies. Molecular Immunology, 2019, 105, 190-197.	1.0	23
96	Development and Evaluation of Single Domain Antibodies for Vaccinia and the L1 Antigen. PLoS ONE, 2014, 9, e106263.	1.1	23
97	Conformational changes in plastocyanin. Archives of Biochemistry and Biophysics, 1985, 237, 110-117.	1.4	22
98	Multiplexed fluid array screening of phage displayed anti-ricin single domain antibodies for rapid assessment of specificity. BioTechniques, 2007, 43, 806-811.	0.8	22
99	Llama-Derived Single Domain Antibodies Specific for Abrus Agglutinin. Toxins, 2011, 3, 1405-1419.	1.5	22
100	Thermostable single domain antibodyâ€"maltose binding protein fusion for Bacillus anthracis spore protein BclA detection. Analytical Biochemistry, 2014, 447, 64-73.	1.1	22
101	Negative tail fusions can improve ruggedness of single domain antibodies. Protein Expression and Purification, 2014, 95, 226-232.	0.6	22
102	Bioconjugates of rhizavidin with single domain antibodies as bifunctional immunoreagents. Journal of Immunological Methods, 2014, 411, 37-42.	0.6	22
103	Kinetic enhancement in high-activity enzyme complexes attached to nanoparticles. Nanoscale Horizons, 2017, 2, 241-252.	4.1	21
104	Comparison of an antibody and its recombinant derivative for the detection of the small molecule explosive 2,4,6-trinitrotoluene. Analytica Chimica Acta, 2013, 759, 100-104.	2.6	20
105	Eight Analyte Detection Using a Four-Channel Optical Biosensor. Sensor Letters, 2004, 2, 18-24.	0.4	20
106	<title>Water quality monitoring using an automated portable fiber optic biosensor: RAPTOR</title>. , 2001, 4206, 58.		19
107	Selection and evaluation of single domain antibodies toward MS2 phage and coat protein. Molecular Immunology, 2013, 53, 118-125.	1.0	19
108	Selection and Characterization of Anti-Dengue NS1 Single Domain Antibodies. Scientific Reports, 2018, 8, 18086.	1.6	19

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109	Discrimination between biothreat agents and â€˜near neighborâ€™ species using a resequencing array. FEMS Immunology and Medical Microbiology, 2008, 54, 356-364.	2.7	17
110	Linking Single Domain Antibodies that Recognize Different Epitopes on the Same Target. Biosensors, 2012, 2, 43-56.	2.3	17
111	Thermal stabilization of anti-Î±-cobratoxin single domain antibodies. Toxicon, 2017, 129, 68-73.	0.8	17
112	Conjugation of biotin-coated luminescent quantum dots with single domain antibody-rhizavidin fusions. Biotechnology Reports (Amsterdam, Netherlands), 2016, 10, 56-65.	2.1	16
113	Stability of isolated antibody-antigen complexes as a predictive tool for selecting toxin neutralizing antibodies. MAbs, 2017, 9, 43-57.	2.6	16
114	Optimizing Nanoplasmonic Biosensor Sensitivity with Orientated Single Domain Antibodies. Plasmonics, 2015, 10, 1649-1655.	1.8	15
115	Failure of layer-by-layer multilayers composed of neutravidinâ€“biotin-labeled antibody for sandwich fluoroimmunosensing. Biosensors and Bioelectronics, 2007, 22, 3243-3246.	5.3	14
116	Surface Modification and Biomolecule Immobilization on Polymer Spheres for Biosensing Applications. Methods in Molecular Biology, 2011, 726, 77-94.	0.4	14
117	Comparison of Immunoreactivity of Staphylococcal Enterotoxin B Mutants for Use as Toxin Surrogates. Analytical Chemistry, 2012, 84, 5198-5203.	3.2	14
118	Effect of Linker Length on Cell Capture by Poly(ethylene glycol)-Immobilized Antimicrobial Peptides. Langmuir, 2017, 33, 2878-2884.	1.6	14
119	Multi-Enzyme Assembly on T4 Phage Scaffold. Frontiers in Bioengineering and Biotechnology, 2020, 8, 571.	2.0	14
120	Selection and Characterization of Single Domain Antibodies Specific for Bacillus anthracis Spore Proteins. Antibodies, 2013, 2, 152-167.	1.2	13
121	Orthogonal Synthetic Zippers as Protein Scaffolds. ACS Omega, 2018, 3, 4810-4815.	1.6	13
122	Suspension Microarray Immunoassay Signal Amplification Using Multilayer Formation. Sensor Letters, 2008, 6, 213-218.	0.4	13
123	Importance of Hypervariable Region 2 for Stability and Affinity of a Shark Single-Domain Antibody Specific for Ebola Virus Nucleoprotein. PLoS ONE, 2016, 11, e0160534.	1.1	11
124	Variable fluorescence of photosystem I particles and its application to the study of the structure and function of photosystem I. Archives of Biochemistry and Biophysics, 1984, 235, 449-460.	1.4	10
125	Evaluation of llama anti-botulinum toxin Heavy chain Antibody. Botulinum Journal, 2008, 1, 100.	0.2	10
126	Isolation and Epitope Mapping of Staphylococcal Enterotoxin B Single-Domain Antibodies. Sensors, 2014, 14, 10846-10863.	2.1	10

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127	Label free checkerboard assay to determine overlapping epitopes of Ebola virus VP-40 antibodies using surface plasmon resonance. Journal of Immunological Methods, 2017, 442, 42-48.	0.6	10
128	Bglbrick strategy for the construction of single domain antibody fusions. Heliyon, 2017, 3, e00474.	1.4	10
129	The purification of cytochrome f and plastocyanin using affinity chromatography. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 894, 327-331.	0.5	9
130	Bead-Based Fluid Array Detection of Pentaerythritol Tetranitrate: Comparison of Monoclonal vs. Llama Polyclonal Antibodies. Analytical Letters, 2010, 43, 2913-2922.	1.0	9
131	Improving biosensing activity to carcinoembryonic antigen with orientated single domain antibodies. Heliyon, 2017, 3, e00478.	1.4	9
132	Selection of Single-Domain Antibodies towards Western Equine Encephalitis Virus. Antibodies, 2018, 7, 44.	1.2	9
133	Experimental evaluation of singleâ€domain antibodies predicted by molecular dynamics simulations to have elevated thermal stability. Protein Science, 2019, 28, 1909-1912.	3.1	9
134	Multi-channeled single chain variable fragment (scFv) based microfluidic device for explosives detection. Talanta, 2015, 144, 439-444.	2.9	8
135	Genetic Fusion of an Anti-BclA Single-Domain Antibody with Beta Galactosidase. Antibodies, 2018, 7, 36.	1.2	8
136	Stabilization of a Broadly Neutralizing Anti-Chikungunya Virus Single Domain Antibody. Frontiers in Medicine, 2021, 8, 626028.	1.2	8
137	Simplified Avidinâ€"Biotin Mediated Antibody Attachment for a Surface Plasmon Resonance Biosensor. Sensor Letters, 2005, 3, 151-156.	0.4	8
138	<title>Evanescent-wave fiber optic biosensor: challenges for real-world sensing</title>. , 1993, , .		7
139	Application of a Homogenous Assay for the Detection of 2,4,6-Trinitrotoluene to Environmental Water Samples. Scientific World Journal, The, 2005, 5, 446-451.	0.8	7
140	Can template-based protein models guide the design of sequence fitness for enhanced thermal stability of single domain antibodies?. Protein Engineering, Design and Selection, 2015, 28, 395-402.	1.0	7
141	Integrating scFv into xMAP Assays for the Detection of Marine Toxins. Toxins, 2016, 8, 346.	1.5	7
142	<title>Fiber-optic-based biosensor: signal enhancement in a production model</title>. , 1992, 1648, 39.		6
143	Structure of a low-melting-temperature anti-cholera toxin: llama VHH domain. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 90-93.	0.7	6
144	Pairing Alpaca and Llama-Derived Single Domain Antibodies to Enhance Immunoassays for Ricin. Antibodies, 2017, 6, 3.	1.2	6

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145	EVANESCENT WAVE FIBER OPTIC BIOSENSORS. , 2008, , 83-138.		5
146	<title>Enhanced biosensor performance using an avidin-biotin bridge for antibody immobilization</title>. , 1997, , .		4
147	Sequence Tolerance of a Single-Domain Antibody with a High Thermal Stability: Comparison of Computational and Experimental Fitness Profiles. ACS Omega, 2019, 4, 10444-10454.	1.6	4
148	PATHOPHYSIOLOGY OF HEPARINâ€INDUCED THROMBOCYTOPENIA. British Journal of Haematology, 1992, 82, 778-779.	1.2	3
149	<title>Use of cyanine dyes with evanescent wave fiber optic biosensors</title>. , 1994, , .		3
150	<title>Effect of wavelength and dye selection on biosensor response</title>. , 1995, , .		3
151	Receptor Protein-Based Bioconjugates of Highly Luminescent CdSe-ZnS Quantum Dots: Use in Biosensing Applications. ACS Symposium Series, 2005, , 16-30.	0.5	3
152	SdAb heterodimer formation using leucine zippers. , 2013, , .		3
153	Selection and characterization of single domain antibodies against human CD20. Molecular Immunology, 2016, 78, 146-154.	1.0	3
154	Selection and Characterization of Single-Domain Antibodies for Detection of Lassa Nucleoprotein. Antibodies, 2020, 9, 71.	1.2	3
155	Lipid-tagged single domain antibodies for improved enzyme-linked immunosorbent assays. Journal of Immunological Methods, 2020, 481-482, 112790.	0.6	3
156	SINGLE-DOMAIN ANTIBODIES: RUGGED RECOGNITION ELEMENTS FOR TOMORROW'S BIOSENSORS. , 2008, , 469-492.		3
157	Automated module for hybridization and staining of commercially produced nucleic acid microarrays. Microfluidics and Nanofluidics, 2007, 3, 623-628.	1.0	2
158	Phageâ€displayed peptides as biosensor reagents. Journal of Molecular Recognition, 2000, 13, 382-387.	1.1	2
159	Bivalent single domain antibody constructs for effective neutralization of Venezuelan equine encephalitis. Scientific Reports, 2022, 12, 700.	1.6	2
160	pH dependent conformational changes and electrostatic effects in plastocyanin. Photosynthesis Research, 1986, 10, 437-444.	1.6	1
161	<title>Ray-tracing determination of evanescent-wave penetration depth in tapered fiber optic probes</title>. , 1993, , .		1
162	Bioconjugates of Luminescent CdSe-ZnS Quantum Dots with Engineered Recombinant Proteins: Novel Self-Assembled Tools for Biosensing. Materials Research Society Symposia Proceedings, 2000, 642, 281.	0.1	1

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163	<title>Bioconjugates of luminescent CdSe-ZnS quantum dots with an engineered two-domain protein G for use in fluoroimmunoassays</title>. , 2001, , .		1
164	Microflow cytometer. Proceedings of SPIE, 2009, , .	0.8	1
165	Evaluation of anti-hemagglutinin Hn-33 single domain antibodies: kinetics, binding epitopes, and thermal stability. Botulinum Journal, 2011, 2, 59.	0.2	1
166	The influence of cell penetrating peptide branching on cellular uptake of QDs. , 2016, , .		1
167	Oriented Peptide Immobilization on Microspheres. Methods in Molecular Biology, 2016, 1352, 183-197.	0.4	1
168	Reply to Tamilarasan and McMillin. Biophysical Journal, 1986, 50, 1213.	0.2	0
169	<title>Application of luminescent CdSe-ZnS quantum dot bioconjugates in immuno- and fluorescence-quenching assays</title>. , 2002, , .		0
170	Using llama derived single domain antibodies to target botulinum neurotoxins. Proceedings of SPIE, 2010, , .	0.8	0
171	A microflow cytometer on a chip. , 2010, , .		0