Urpo J Lamminmaki

List of Publications by Year
in descending order

63	1,054	394421	501196
papers	citations	19 h-index	28 g-index

63	63	63	1423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of lectin microarrays in cancer diagnosis. Proteomics, 2016, 16, 1257-1265.	2.2	68
2	Engineering of a Broad Specificity Antibody for Simultaneous Detection of 13 Sulfonamides at the Maximum Residue Level. Journal of Agricultural and Food Chemistry, 2004, 52, 40-47.	5.2	58
3	Expanding the conformational diversity by random insertions to CDRH2 results in improved anti-estradiol antibodies 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 291, 589-602.	4.2	56
4	Production of a biotinylated single-chain antibody fragment in the cytoplasm of Escherichia coli. Journal of Immunological Methods, 2004, 284, 165-175.	1.4	44
5	Further improvement of broad specificity hapten recognition with protein engineering. Protein Engineering, Design and Selection, 2003, 16, 37-46.	2.1	38
6	Homogeneous Detection of Avidin Based on Switchable Lanthanide Luminescence. Analytical Chemistry, 2011, 83, 9011-9016.	6.5	38
7	Two ScFv antibody libraries derived from identical VL-VH framework with different binding site designs display distinct binding profiles. Protein Engineering, Design and Selection, 2013, 26, 683-693.	2.1	37
8	Broad-Spectrum Noncompetitive Immunocomplex Immunoassay for Cyanobacterial Peptide Hepatotoxins (Microcystins and Nodularins). Analytical Chemistry, 2016, 88, 10080-10087.	6.5	37
9	Detection of cyanobacterial sxt genes and paralytic shellfish toxins in freshwater lakes and brackish waters on Ã...land Islands, Finland. Harmful Algae, 2015, 46, 1-10.	4.8	30
10	A Nanoparticle-Based Approach for the Detection of Extracellular Vesicles. Scientific Reports, 2019, 9, 10038.	3.3	30
11	Development of a Fast SARS-CoV-2 IgG ELISA, Based on Receptor-Binding Domain, and Its Comparative Evaluation Using Temporally Segregated Samples From RT-PCR Positive Individuals. Frontiers in Microbiology, 2020, 11, 618097.	3.5	30
12	Crystal Structure of a Recombinant Anti-estradiol Fab Fragment in Complex with 17Î²-Estradiol. Journal of Biological Chemistry, 2001, 276, 36687-36694.	3.4	29
13	Quantitative PCR detection and improved sample preparation of microcystin-producing Anabaena, Microcystis and Planktothrix. Ecotoxicology and Environmental Safety, 2013, 87, 49-56.	6.0	29
14	Lectin nanoparticle assays for detecting breast cancer-associated glycovariants of cancer antigen 15-3 (CA15-3) in human plasma. PLoS ONE, 2019, 14, e0219480.	2.5	26
15	Primer Extension Mutagenesis Powered by Selective Rolling Circle Amplification. PLoS ONE, 2012, 7, e31817.	2.5	25
16	Casamino acids facilitate the secretion of recombinant dengue virus serotype-3 envelope domain III in Pichia pastoris. BMC Biotechnology, 2016, 16, 12.	3.3	24
17	Internalization of secreted antigenâ€“targeted antibodies by the neonatal Fc receptor for precision imaging of the androgen receptor axis. Science Translational Medicine, 2016, 8, 367ra167.	12.4	23
18	Glycovariant-based lateral flow immunoassay to detect ovarian cancerâ€“associated serum CA125. Communications Biology, 2020, 3, 460.	4.4	23

#	ARTICLE	IF	CITATIONS
19	A Nanoparticle-Lectin Immunoassay Improves Discrimination of Serum CA125 from Malignant and Benign Sources. Clinical Chemistry, 2016, 62, 1390-1400.	3.2	21
20	Structural analysis of an anti-estradiol antibody. Molecular Immunology, 1997, 34, 1215-1226.	2.2	20
21	Modulating the binding properties of an anti-17Î²-estradiol antibody by systematic mutation combinations. Protein Science, 2009, 12, 2549-2558.	7.6	19
22	Multiresidue Detection of Fluoroquinolones: Specificity Engineering of a Recombinant Antibody with Oligonucleotide-Directed Mutagenesis. Journal of Agricultural and Food Chemistry, 2013, 61, 11981-11985.	5.2	18
23	Noncompetitive Chromogenic Lateral-Flow Immunoassay for Simultaneous Detection of Microcystins and Nodularin. Biosensors, 2019, 9, 79.	4.7	18
24	Effect of DNA sequence of Fab fragment on yield characteristics and cell growth of E. coli. Scientific Reports, 2017, 7, 3796.	3.3	16
25	A longitudinal analysis of CA125 glycoforms in the monitoring and follow up of high grade serous ovarian cancer. Gynecologic Oncology, 2020, 156, 689-694.	1.4	16
26	Enhanced cell density cultivation and rapid expression-screening of recombinant Pichia pastoris clones in microscale. Scientific Reports, 2020, 10, 7458.	3.3	15
27	Structural basis for Myf and Psa fimbriaeâ€mediated tropism of pathogenic strains of Yersinia for host tissues. Molecular Microbiology, 2016, 102, 593-610.	2.5	14
28	Rapid quantification of mcyB copy numbers on dry chemistry PCR chips and predictability of microcystin concentrations in freshwater environments. Harmful Algae, 2014, 39, 280-286.	4.8	13
29	Next generation sequencing of all variable loops of synthetic single framework scFvâ€"Application in anti-HDL antibody selections. New Biotechnology, 2016, 33, 790-796.	4.4	13
30	PSA-Targeted Alpha-, Beta-, and Positron-Emitting Immunotheranostics in Murine Prostate Cancer Models and Nonhuman Primates. Clinical Cancer Research, 2021, 27, 2050-2060.	7.0	13
31	Europium Nanoparticle-Based Sialyl-Tn Monoclonal Antibody Discriminates Epithelial Ovarian Cancerâ€"Associated CA125 from Benign Sources. journal of applied laboratory medicine, The, 2019, 4, 299-310.	1.3	12
32	Enhanced error-prone RCA mutagenesis by concatemer resolution. Plasmid, 2011, 66, 47-51.	1.4	11
33	The selection performance of an antibody library displayed on filamentous phage coat proteins p9, p3 and truncated p3. BMC Research Notes, 2014, 7, 661.	1.4	11
34	Super-sensitive time-resolved fluoroimmunoassay for thyroid-stimulating hormone utilizing europium(III) nanoparticle labels achieved by protein corona stabilization, short binding time, and serum preprocessing. Analytical and Bioanalytical Chemistry, 2017, 409, 3407-3416.	3.7	11
35	Rapid and Highly Sensitive Non-Competitive Immunoassay for Specific Detection of Nodularin. Microorganisms, 2017, 5, 58.	3.6	11
36	Non-competitive ELISA with broad specificity for microcystins and nodularins. Advances in Oceanography and Limnology, 2017, 8, .	0.6	11

#	ARTICLE	IF	CITATIONS
37	Development of anti-immunocomplex specific antibodies and non-competitive time-resolved fluorescence immunoassay for the detection of estradiol. Analytical and Bioanalytical Chemistry, 2019, 411, 5633-5639.	3.7	11
38	Phage Display Selection of an Anti-Idiotype-Antibody with Broad-Specificity to Deoxynivalenol Mycotoxins. Toxins, 2021, 13, 18.	3.4	11
39	Single-step noncompetitive immunocomplex immunoassay for rapid aflatoxin detection. Food Chemistry, 2022, 392, 133287.	8.2	10
40	Improvement of Fab expression by screening combinatorial synonymous signal sequence libraries. Microbial Cell Factories, 2019, 18, 157.	4.0	9
41	Exploratory Analysis of CA125-MGL and â€“STn Glycoforms in the Differential Diagnostics of Pelvic Masses. journal of applied laboratory medicine, The, 2020, 5, 263-272.	1.3	9
42	Detection of bladder cancer with aberrantly fucosylated ITGA3. Analytical Biochemistry, 2021, 628, 114283.	2.4	9
43	Homogenous M13 bacteriophage quantification assay using switchable lanthanide fluorescence probes. BioTechniques, 2012, 53, 301-303.	1.8	8
44	Identification and analysis of anti-HDL scFv-antibodies obtained from phage display based synthetic antibody library. Clinical Biochemistry, 2016, 49, 472-479.	1.9	8
45	Molecular tools for selective recovery and detection of lignin-derived molecules. Green Chemistry, 2018, 20, 2829-2839.	9.0	8
46	Oligovalent Fab Display on M13 Phage Improved by Directed Evolution. Molecular Biotechnology, 2010, 44, 221-231.	2.4	7
47	Fast conversion of scFv to Fab antibodies using type IIs restriction enzymes. Journal of Immunological Methods, 2015, 426, 134-139.	1.4	7
48	Proteinâ€“DNA interaction-based detection of small molecules by employing Renilla luciferase fusion protein: Quantitative and generic measurement of tetracyclines with a Renilla luciferase-tagged Tet repressor protein. Analytical Biochemistry, 2006, 358, 301-303.	2.4	6
49	Site-Specific Linking of an Oligonucleotide to Mono- and Bivalent Recombinant Antibodies with SpyCatcher-SpyTag System for Immuno-PCR. ACS Omega, 2020, 5, 24927-24934.	3.5	6
50	Combinatorial mutagenesis with alternative CDR-L1 and -H2 loop lengths contributes to affinity maturation of antibodies. New Biotechnology, 2021, 60, 173-182.	4.4	6
51	Development of recombinant antibody-based enzyme-linked immunosorbent assay (ELISA) for the detection of skatole. Analytical Biochemistry, 2016, 492, 27-29.	2.4	5
52	Array-in-well binding assay for multiparameter screening of phage displayed antibodies. Methods, 2017, 116, 43-50.	3.8	5
53	Recombinant antibodies for specific detection of clostridial [Fe-Fe] hydrogenases. Scientific Reports, 2016, 6, 36034.	3.3	4
54	Precise construction of oligonucleotideâ€“Fab fragment conjugate for homogeneous immunoassay using HaloTag technology. Analytical Biochemistry, 2015, 472, 37-44.	2.4	3

#	ARTICLE	IF	CITATIONS
55	Phage display aided improvement of a unique prostate-specific antigen (PSA) antibody unreactive with Lys145â€“Lys146 internally cleaved forms. Journal of Immunological Methods, 2015, 422, 72-79.	1.4	3
56	Recombinant Antibodies with Unique Specificities Allow for Sensitive and Specific Detection of Uncarboxylated Osteocalcin in Human Circulation. Calcified Tissue International, 2020, 107, 529-542.	3.1	3
57	A 15-min non-competitive homogeneous assay for microcystin and nodularin based on time-resolved FÃ¶rster resonance energy transfer (TR-FRET). Analytical and Bioanalytical Chemistry, 2021, 413, 6159-6170.	3.7	3
58	Crystallization and preliminary X-ray analysis of a recombinant Fab fragment in complex with 17Î²-oestradiol. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1670-1672.	2.5	2
59	Nâ€terminal mutations in the antiâ€estradiol Fab 57â€2 modify its hapten binding properties. Protein Science, 2000, 9, 2547-2556.	7.6	1
60	A simple heterogeneous one-step assay for screening estrogenic compounds. Biotechnology Letters, 2013, 35, 47-53.	2.2	1
61	Three two-site apoA-I immunoassays using phage expressed detector antibodies â€“ Preliminary clinical evaluation with cardiac patients. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113772.	2.8	1
62	Array-In-Well Epitope Mapping of Phage-Displayed Antibodies. Methods in Molecular Biology, 2018, 1785, 129-140.	0.9	0
63	Humanization, Radiolabeling and Biodistribution Studies of an IgG1-Type Antibody Targeting Uncomplexed PSA for Theranostic Applications. Pharmaceuticals, 2021, 14, 1251.	3.8	0