CITATION REPORT List of articles citing

Prostate specific antigen: biology, biochemistry and available commercial assays

DOI: 10.1258/0004563011901055 Annals of Clinical Biochemistry, 2001, 38, 633-51.

Source: https://exaly.com/paper-pdf/33533369/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
114	Absolute Quantification of Proteins by Mass Spectrometry. 2000 , 1-26		
113	G protein-coupled receptors provide survival signals in prostate cancer. 2002 , 1, 177-81		16
112	Gene Expression Profiling as a Tool for the Identification of Molecular Targets. 2002 , 1, S17-S20		1
111	The impact of intraoperative manipulation of the prostate on total and free prostate-specific antigen. 2002 , 17, 154-60		7
110	DNA methylation analysis: a powerful new tool for lung cancer diagnosis. 2002 , 21, 5450-61		243
109	Quality assessment for prostate-specific antigen (PSA) in relation to ERSPC: report of the PSA committee. 2003 , 92 Suppl 2, 66-70		9
108	A new modification of the Chiron ACS assay for total prostate-specific antigen achieves equimolar response characteristics and improves the detection of prostate cancer. 2003 , 41, 90-4		7
107	UltrasensitiveIMeDerfahren fildas prostataspezifische Antigen (PSA): Wie tief wollen wir messen?/UltrasensitiveIProstate Specific Antigen (PSA) Assays: How Low do we Want to Go?. 2003 , 27, 16-19		
106	Humanization of Monoclonal Antibodies. 2004 , 533-545		3
105	Assessing the clinical impact of prostate-specific antigen assay variability and nonequimolarity: a simulation study based on the population of the United Kingdom. 2004 , 50, 1012-6		23
104	Rates of prostate-specific antigen testing in general practice in England and Wales in asymptomatic and symptomatic patients: a cross-sectional study. 2004 , 94, 51-6		87
103	A comprehensive characterization of the peptide and protein constituents of human seminal fluid. 2004 , 61, 171-81		119
102	Part 1: The burden of prostate cancer, its natural history, information on the outcome of screening and estimates of ad hoc screening with particular reference to England and Wales. 2005 , 95 Suppl 3, 4-15		20
101	Multiplexed electrical detection of cancer markers with nanowire sensor arrays. 2005 , 23, 1294-301		1995
100	Efficient transfer of PSA and PSMA cDNAs into DCs generates antibody and T cell antitumor responses in vivo. 2005 , 12, 540-51		23
99	One-step immunostrip test for the simultaneous detection of free and total prostate specific antigen in serum. 2005 , 307, 1-12		75
98	Lectin capture strategies combined with mass spectrometry for the discovery of serum glycoprotein biomarkers. 2006 , 5, 1957-67		183

(2009-2006)

97	Carbon nanotube amplification strategies for highly sensitive immunodetection of cancer biomarkers. 2006 , 128, 11199-205		620
96	Fabrication of silicon nanowire devices for ultrasensitive, label-free, real-time detection of biological and chemical species. 2006 , 1, 1711-24		605
95	The pattern of glycosyl- and sulfotransferase activities in cancer cell lines: a predictor of individual cancer-associated distinct carbohydrate structures for the structural identification of signature glycans. 2006 , 341, 983-94		43
94	Different glycan structures in prostate-specific antigen from prostate cancer sera in relation to seminal plasma PSA. 2006 , 16, 132-45		144
93	Comparison of 6 automated assays for total and free prostate-specific antigen with special reference to their reactivity toward the WHO 96/670 reference preparation. 2006 , 52, 1568-74		60
92	Point-of-care PSA testing: an evaluation of PSAwatch. 2007 , 10, 270-3		13
91	Improving the comparability of immunoassays for prostate-specific antigen (PSA): progress and problems. <i>Clinica Chimica Acta</i> , 2007 , 381, 85-92	6.2	20
90	Promising agents at the interface of biology and oncology derived through chemical synthesis. 2007 , 79, 2189-2216		13
89	Detection of prostate-specific antigen coupled to immunoglobulin M in prostate cancer patients. 2007 , 31, 402-7		35
88	A lectin array-based methodology for the analysis of protein glycosylation. 2007 , 70, 415-26		91
87	Nanobiosensors: optofluidic, electrical and mechanical approaches to biomolecular detection at the nanoscale. 2008 , 4, 33-52		174
86	SERS as a bioassay platform: fundamentals, design, and applications. 2008, 37, 1001-11		478
85	Urological referral of asymptomatic men in general practice in England. 2008, 98, 1176-81		14
84	Toward a prostate specific antigen-based prostate cancer diagnostic assay: preparation of keyhole limpet hemocyanin-conjugated normal and transformed prostate specific antigen fragments. 2008 , 130, 13598-607		21
83	Quantitative measurements of C-reactive protein using silicon nanowire arrays. 2008, 3, 117-24		24
82	Detection and differentiation of normal, cancerous, and metastatic cells using nanoparticle-polymer sensor arrays. 2009 , 106, 10912-6		259
81	The fundamental flaws of immunoassays and potential solutions using tandem mass spectrometry. 2009 , 347, 3-11		374
80	Designing nanomaterial-enhanced electrochemical immunosensors for cancer biomarker proteins. 2009 , 76, 189-94		100

79	Electrochemical Immunosensors for Interleukin-6. Comparison of Carbon Nanotube Forest and Gold Nanoparticle platforms. 2009 , 11, 1009-1012		94
78	A microfluidic detection system based upon a surface immobilized biobarcode assay. 2009 , 24, 2397-403		35
77	Single-wall carbon nanotube forest arrays for immunoelectrochemical measurement of four protein biomarkers for prostate cancer. <i>Analytical Chemistry</i> , 2009 , 81, 9129-34	·.8	134
76	Microarray-based multiplexed scanometric immunoassay for protein cancer markers using gold nanoparticle probes. <i>Analytical Chemistry</i> , 2009 , 81, 9183-7	·.8	156
75	Optically Resonant Nanophotonic Devices for Label-Free Biomolecular Detection. 2009 , 445-470		2
74	Ultrasensitive immunosensor for cancer biomarker proteins using gold nanoparticle film electrodes and multienzyme-particle amplification. 2009 , 3, 585-94		45 ¹
73	Optimised electroporation mediated DNA vaccination for treatment of prostate cancer. 2010 , 8, 1		23
72	Determination of the association of urine prostate specific antigen levels with anthropometric variables in children aged 5-14 years. 2010 , 36, 202-7; discussion 207-8		2
71	Sensitive electrochemical immunosensor for matrix metalloproteinase-3 based on single-wall carbon nanotubes. 2010 , 135, 1345-50		50
70	Ultrasensitive electrochemical immunosensor for oral cancer biomarker IL-6 using carbon nanotube forest electrodes and multilabel amplification. <i>Analytical Chemistry</i> , 2010 , 82, 3118-23	.8	299
69	Response to cardiac markers in human serum analyzed by guided-mode resonance biosensor. Analytical Chemistry, 2010 , 82, 9686-93	.8	37
68	Measurement of biomarker proteins for point-of-care early detection and monitoring of cancer. 2010 , 135, 2496-511		401
67	Subthreshold regime has the optimal sensitivity for nanowire FET biosensors. 2010 , 10, 547-52		441
66	Computational modeling of a carbon nanotube-based DNA nanosensor. 2010 , 21, 445501		12
65	Nanowire biosensors for label-free, real-time, ultrasensitive protein detection. 2011, 790, 223-37		29
64	Microfluidic electrochemical immunoarray for ultrasensitive detection of two cancer biomarker proteins in serum. 2011 , 26, 4477-83		181
63	Single-Molecule Detection of Proteins Using Aptamer-Functionalized Molecular Electronic Devices. 2011 , 123, 2544-2550		17
62	Nanostructured Immunosensor for Attomolar Detection of Cancer Biomarker Interleukin-8 Using Massively Labeled Superparamagnetic Particles. 2011 , 123, 8061-8064		23

(2013-2011)

61	Single-molecule detection of proteins using aptamer-functionalized molecular electronic devices. 2011 , 50, 2496-502	86
60	Nanostructured immunosensor for attomolar detection of cancer biomarker interleukin-8 using massively labeled superparamagnetic particles. 2011 , 50, 7915-8	138
59	Magnetic particles in ultrasensitive biomarker protein measurements for cancer detection and monitoring. 2011 , 5, 381-391	50
58	In vivo positron emission tomography imaging of protease activity by generation of a hydrophobic product from a noninhibitory protease substrate. 2012 , 18, 238-47	21
57	Low-cost fabrication of paper-based microfluidic devices by one-step plotting. <i>Analytical Chemistry</i> , 2012 , 84, 6331-5	163
56	Glycosylation of prostate specific antigen and its potential diagnostic applications. <i>Clinica Chimica Acta</i> , 2012 , 413, 1500-5	67
55	Hybrids of a genetically engineered antibody and a carbon nanotube transistor for detection of prostate cancer biomarkers. 2012 , 6, 5143-9	89
54	Nanomaterials-based electrochemical immunosensors for proteins. 2012 , 12, 164-76	45
53	Amplified electrochemical detection of a cancer biomarker by enhanced precipitation using horseradish peroxidase attached on carbon nanotubes. <i>Analytical Chemistry</i> , 2012 , 84, 6407-15	152
52	High sensitivity carbon nanotube based electrochemiluminescence sensor array. 2012 , 31, 233-9	53
51	Engineered multifunctional nanowires as novel biosensing tools for highly sensitive detection. 2013 , 3, 363-372	8
50	Translation of proteomic biomarkers into FDA approved cancer diagnostics: issues and challenges. 2013 , 10, 13	270
49	Proteomic analysis of seminal fluid from men exhibiting oxidative stress. 2013 , 11, 85	67
48	Real-time and label-free detection of the prostate-specific antigen in human serum by a polycrystalline silicon nanowire field-effect transistor biosensor. <i>Analytical Chemistry</i> , 2013 , 85, 7912-8	84
47	Nanoscience-Based Electrochemical Sensors and Arrays for Detection of Cancer Biomarker Proteins. 2013 , 1-26	3
46	Aberrant PSA glycosylationa sweet predictor of prostate cancer. 2013 , 10, 99-107	159
45	Multiplexed electrochemical protein detection and translation to personalized cancer diagnostics. Analytical Chemistry, 2013 , 85, 5304-10 7.8	103
44	Simultaneous electrochemical immunoassay using CdS/DNA and PbS/DNA nanochains as labels. 2013 , 39, 177-82	74

43	Evaluation of molecular species of prostate-specific antigen complexed with immunoglobulin M in prostate cancer and benign prostatic hyperplasia. 2013 , 35, 847-55	5
42	Galectin-3: a possible complementary marker to the PSA blood test. 2013 , 4, 542-9	39
41	Determination of Prostate-Specific Antigen in Serum and a Reference Material by On-Chip Immunoaffinity Chromatography. 2014 , 47, 2919-2928	2
40	Label-free specific detection of femtomolar cardiac troponin using an integrated nanoslit array fluidic diode. 2014 , 14, 6983-90	16
39	Fluorescent immunosensor based on CuS nanoparticles for sensitive detection of cancer biomarker. 2014 , 139, 649-55	70
38	Functionalized MoS(2) nanosheet-based field-effect biosensor for label-free sensitive detection of cancer marker proteins in solution. 2014 , 10, 1101-5	211
37	On-line protein capture on magnetic beads for ultrasensitive microfluidic immunoassays of cancer biomarkers. 2014 , 53, 268-74	93
36	Direct ultrasensitive electrical detection of prostate cancer biomarkers with CMOS-compatible nand p-type silicon nanowire sensor arrays. 2014 , 6, 13036-42	44
35	[-2]proPSA is an early marker for prostate cancer aggressiveness. 2014 , 17, 70-4	22
34	Point decoration of silicon nanowires: an approach toward single-molecule electrical detection. 2014 , 53, 5038-43	21
33	Point Decoration of Silicon Nanowires: An Approach Toward Single-Molecule Electrical Detection. 2014 , 126, 5138-5143	12
32	Single-walled carbon nanotube based transparent immunosensor for detection of a prostate cancer biomarker osteopontin. 2015 , 869, 68-73	49
31	Protein glycosylation in cancer. 2015 , 10, 473-510	428
30	Highly sensitive, label-free and real-time detection of alpha-fetoprotein using a silicon nanowire biosensor. 2015 , 75, 578-84	8
29	Highly sensitive detection of cardiac troponin I in human serum using gold nanoparticle-based enhanced sandwich immunoassay. 2015 , 221, 537-543	21
28	SERS Nanoparticles in Medicine: From Label-Free Detection to Spectroscopic Tagging. 2015 , 115, 10489-529	576
27	Nanoparticle Probes for the Detection of Cancer Biomarkers, Cells, and Tissues by Fluorescence. 2015 , 115, 10530-74	702
26	Quantitative analysis of prostate specific antigen isoforms using immunoprecipitation and stable isotope labeling mass spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 545-53	27

(2021-2016)

25	Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection. 2016 , 26, 8623-8630		98
24	Selective sensing of ethylene and glucose using carbon-nanotube-based sensors: an ab initio investigation. 2017 , 9, 1687-1698		23
23	Automated 3D-printed unibody immunoarray for chemiluminescence detection of cancer biomarker proteins. 2017 , 17, 484-489		54
22	Aptamer-based Biosensor Developed to Monitor MUC1 Released by Prostate Cancer Cells. 2017 , 29, 2246-2253		23
21	Single-step homogeneous immunoassay for detecting prostate-specific antigen using dual-color light scattering of metal nanoparticles. 2017 , 142, 3484-3491		9
20	Automated 3D-Printed Microfluidic Array for Rapid Nanomaterial-Enhanced Detection of Multiple Proteins. <i>Analytical Chemistry</i> , 2018 , 90, 7569-7577	7.8	34
19	Automated 4-Sample Protein Immunoassays using 3D-Printed Microfluidics. 2018, 10, 4000-4006		16
18	Label-Free Multiplexed Electrical Detection of Cancer Markers on a Microchip Featuring an Integrated Fluidic Diode Nanopore Array. 2018 , 12, 7892-7900		25
17	Raman Spectroscopy and Aptamers for a Label-Free Approach: Diagnostic and Application Tools. 2019 , 2019, 2815789		7
16	N-Linked Glycosylation and Near-Infrared Spectroscopy in the Diagnosis of Prostate Cancer. 2019 , 20,		3
15	Ultrasensitive dignal-onlelectrochemiluminescence immunosensor for prostate-specific antigen detection based on novel nanoprobe and poly(indole-6-carboxylic acid)/flower-like Au nanocomposite. 2020 , 303, 127246		26
14	Multiplexed Immunosensors and Immunoarrays. <i>Analytical Chemistry</i> , 2020 , 92, 345-362	7.8	51
13	Biomarkers Determination Based on Surface-Enhanced Raman Scattering. <i>Chemosensors</i> , 2020 , 8, 118	4	8
12	Advances in prostate specific antigen biosensors-impact of nanotechnology. <i>Clinica Chimica Acta</i> , 2020 , 504, 43-55	6.2	12
11	Direct seminal fluid identification by protease-free high-resolution mass spectrometry. <i>Journal of Forensic Sciences</i> , 2021 , 66, 1017-1023	1.8	1
10	DNA-based functionalization of two-dimensional MoS2 FET biosensor for ultrasensitive detection of PSA. <i>Applied Surface Science</i> , 2021 , 548, 149169	6.7	10
9	Real-time label-free detection of DNA hybridization using a functionalized graphene field effect transistor: a theoretical study. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 185	2.3	2
8	MoS-based nanocomposites for cancer diagnosis and therapy. <i>Bioactive Materials</i> , 2021 , 6, 4209-4242	16.7	42

7	CMOS-compatible silicon nanowire field-effect transistors: Where nanotechnology pushes the limits in biosensing. 2022 , 327-362	1
6	Nanowires as Building Blocks for Nanoscale Science and Technology. 2003 , 3-68	14
5	SERS Biosensing and Bioimaging: Design and Applications in Cancer Diagnostics. 2017, 345-364	1
4	Different mice inbred strains humoral immune response against human prostate-specific antigen. **O.7** O.7**	1
3	Prostate-specific antigen testing. Should we recommend it?. <i>Canadian Family Physician</i> , 2003 , 49, 303-4 0.9	
2	Nanoarchitectured assembly and surface of two-dimensional (2D) transition metal dichalcogenides (TMDCs) for cancer therapy. 2022 , 472, 214765	1
1	Translational proteomics and phosphoproteomics: Tissue to extracellular vesicles. 2022 ,	0