

Per Olaf Ekström

List of Publications by Year in descending order

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44
papers

552
citations

516710

16
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713466

21
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45
all docs

45
docs citations

45
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of mutational spectra by denaturing capillary electrophoresis. <i>Nature Protocols</i> , 2008, 3, 1153-1166.	12.0	28
2	Cycling gradient capillary electrophoresis: A low-cost tool for high-throughput analysis of genetic variations. <i>Electrophoresis</i> , 2003, 24, 1716-1722.	2.4	27
3	BRAF mutation detection and identification by cycling temperature capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 2553-2561.	2.4	25
4	Mutation Detection in KRAS Exon 1 by Constant Denaturant Capillary Electrophoresis in 96 Parallel Capillaries. <i>Analytical Biochemistry</i> , 2002, 304, 200-205.	2.4	24
5	Continuous intratumoral microdialysis during high-dose methotrexate therapy in a patient with malignant fibrous histiocytoma of the femur: a case report. <i>Cancer Chemotherapy and Pharmacology</i> , 1996, 39, 267-272.	2.3	23
6	Direct identification of all oncogenic mutants in KRAS exon 1 by cycling temperature capillary electrophoresis. <i>Electrophoresis</i> , 2003, 24, 63-69.	2.4	23
7	Review of denaturant capillary electrophoresis in DNA variation analysis. <i>Electrophoresis</i> , 2005, 26, 2520-2530.	2.4	23
8	Polymorphisms in genes encoding interleukin-10 and drug metabolizing enzymes GSTP1, GSTT1, GSTA1 and UGT1A1 influence risk and outcome in Hodgkin lymphoma. <i>Leukemia and Lymphoma</i> , 2012, 53, 1934-1944.	1.3	22
9	Determination of extracellular methotrexate tissue levels by microdialysis in a rat model. <i>Cancer Chemotherapy and Pharmacology</i> , 1996, 37, 394-400.	2.3	21
10	Population Screening of Single-Nucleotide Polymorphisms Exemplified by Analysis of 8000 Alleles. <i>Journal of Biomolecular Screening</i> , 2002, 7, 501-506.	2.6	20
11	Evaluation of methotrexate tissue exposure by in situ microdialysis in a rat model. <i>Cancer Chemotherapy and Pharmacology</i> , 1994, 34, 297-301.	2.3	19
12	Influence of polymorphisms in genes encoding immunoregulatory proteins and metabolizing enzymes on susceptibility and outcome in patients with diffuse large B-cell lymphoma treated with rituximab. <i>Leukemia and Lymphoma</i> , 2013, 54, 2205-2214.	1.3	18
13	Identification of genetic variants for clinical management of familial colorectal tumors. <i>BMC Medical Genetics</i> , 2018, 19, 26.	2.1	18
14	Pharmacokinetics of different doses of methotrexate at steady state by in situ microdialysis in a rat model. <i>Cancer Chemotherapy and Pharmacology</i> , 1995, 36, 283-289.	2.3	17
15	Intratumoral differences in methotrexate levels within human osteosarcoma xenografts studied by microdialysis. <i>Life Sciences</i> , 1997, 61, PL275-PL280.	4.3	16
16	Approach to analysis of single nucleotide polymorphisms by automated constant denaturant capillary electrophoresis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 526, 75-83.	1.0	16
17	Evaluation of denaturing conditions in analysis of DNA variants applied to multi-capillary electrophoresis instruments. <i>Journal of Separation Science</i> , 2003, 26, 1163-1168.	2.5	16
18	Detection and frequency estimation of rare variants in pools of genomic DNA from large populations using mutational spectrometry. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 570, 267-280.	1.0	15

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19	DNA variants in the ATM gene are not associated with sporadic rectal cancer in a Norwegian population-based study. <i>International Journal of Colorectal Disease</i> , 2004, 19, 49-54.	2.2	13
20	Determination of Hereditary Mutations in the BRCA1 Gene Using Archived Serum Samples and Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2004, 76, 4406-4409.	6.5	13
21	Technology to accelerate pangenomic scanning for unknown point mutations in exonic sequences: cycling temperature capillary electrophoresis (CTCE). <i>BMC Genetics</i> , 2007, 8, 54.	2.7	13
22	Separation principles of cycling temperature capillary electrophoresis. <i>Electrophoresis</i> , 2012, 33, 1162-1168.	2.4	13
23	Results of multigene panel testing in familial cancer cases without genetic cause demonstrated by single gene testing. <i>Scientific Reports</i> , 2019, 9, 18555.	3.3	13
24	Melting gel techniques in single nucleotide polymorphism and mutation detection: From theory to automation. <i>Journal of Separation Science</i> , 2002, 25, 637-647.	2.5	12
25	Quantifying mitochondrial DNA copy number using robust regression to interpret real time PCR results. <i>BMC Research Notes</i> , 2017, 10, 593.	1.4	12
26	Potentially pathogenic germline CHEK2 c.319+2>A among multiple early-onset cancer families. <i>Familial Cancer</i> , 2018, 17, 141-153.	1.9	12
27	Cycling temperature capillary electrophoresis: A quantitative, fast and inexpensive method to detect mutations in mixed populations of human mitochondrial DNA. <i>Mitochondrion</i> , 2016, 29, 65-74.	3.4	8
28	Evaluation of sieving matrices used to separate alleles by cycling temperature capillary electrophoresis. <i>Electrophoresis</i> , 2006, 27, 1878-1885.	2.4	7
29	<i>p53</i> status in keratoacanthomas. <i>Journal of Cutaneous Pathology</i> , 2016, 43, 571-578.	1.3	7
30	Genetic variants of prospectively demonstrated phenocopies in BRCA1/2 kindreds. <i>Hereditary Cancer in Clinical Practice</i> , 2018, 16, 4.	1.5	7
31	Alterations in methotrexate pharmacokinetics by naproxen in the rat as measured by microdialysis. <i>Life Sciences</i> , 1997, 60, PL359-PL364.	4.3	6
32	Molecular detection (k-ras) of exfoliated tumour cells in the pelvis is a prognostic factor after resection of rectal cancer?. <i>BMC Cancer</i> , 2008, 8, 213.	2.6	6
33	Automated amplicon design suitable for analysis of DNA variants by melting techniques. <i>BMC Research Notes</i> , 2015, 8, 667.	1.4	6
34	TP53/p53 alterations and Aurora A expression in progressor and non-progressor colectomies from patients with longstanding ulcerative colitis. <i>International Journal of Molecular Medicine</i> , 2015, 35, 24-30.	4.0	6
35	Validation and use of microdialysis for determination of pharmacokinetic properties of the chemotherapeutic agent mitomycin C - an experimental study. <i>BMC Cancer</i> , 2010, 10, 469.	2.6	5
36	High-throughput gender determination using automated denaturant gel capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 2562-2566.	2.4	4

#	ARTICLE	IF	CITATIONS
37	Mapping mitochondrial heteroplasmy in a Leydig tumor by laser capture micro-dissection and cycling temperature capillary electrophoresis. <i>BMC Clinical Pathology</i> , 2017, 17, 6.	1.8	4
38	Scanning the mitochondrial genome for mutations by cycling temperature capillary electrophoresis. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 19-30.	0.7	4
39	Is detection of intraperitoneal exfoliated tumor cells after surgical resection of rectal cancer a prognostic factor of survival?. <i>BMC Cancer</i> , 2017, 17, 406.	2.6	3
40	Somatic Mitochondrial DNA Point Mutations Used as Biomarkers to Demonstrate Genomic Heterogeneity in Primary Prostate Cancer. <i>Prostate Cancer</i> , 2020, 2020, 1-10.	0.6	3
41	Ten modifiers of BRCA1 penetrance validated in a Norwegian series. <i>Hereditary Cancer in Clinical Practice</i> , 2015, 13, 14.	1.5	2
42	Tracing of Human Tumor Cell Lineages by Mitochondrial Mutations. <i>Frontiers in Oncology</i> , 2020, 10, 523860.	2.8	1
43	The Quandary of DNA-Based Treatment Assessment in De Novo Metastatic Prostate Cancer in the Era of Precision Oncology. <i>Journal of Personalized Medicine</i> , 2021, 11, 330.	2.5	1
44	Reducing the Cost of Consumables Used for ABI 310 Genetic Analyzer. <i>Analytical Biochemistry</i> , 2002, 306, 148-149.	2.4	0