

# Ger van den Engh

## List of Publications by Year in descending order

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60  
papers

2,734  
citations

201674

27  
h-index

182427

51  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3651  
citing authors

#	ARTICLE	IF	CITATIONS
1	The proximity of DNA sequences in interphase cell nuclei is correlated to genomic distance and permits ordering of cosmids spanning 250 kilobase pairs. <i>Genomics</i> , 1989, 5, 710-717.	2.9	246
2	Distribution of olfactory receptor genes in the human genome. <i>Nature Genetics</i> , 1998, 18, 243-250.	21.4	202
3	Prerequisites for the analysis and sorting of extracellular vesicle subpopulations by high-resolution flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 135-147.	1.5	162
4	Trapping of DNA in Nonuniform Oscillating Electric Fields. <i>Biophysical Journal</i> , 1998, 74, 1024-1030.	0.5	158
5	Trapping of DNA by dielectrophoresis. <i>Electrophoresis</i> , 2002, 23, 2658-2666.	2.4	158
6	High-speed cell sorting: fundamentals and recent advances. <i>Current Opinion in Biotechnology</i> , 2003, 14, 5-12.	6.6	141
7	Tools for the Microbiome: Nano and Beyond. <i>ACS Nano</i> , 2016, 10, 6-37.	14.6	137
8	Fluorescence in situ hybridization to interphase cell nuclei in suspension allows flow cytometric analysis of chromosome content and microscopic analysis of nuclear organization. <i>Human Genetics</i> , 1988, 78, 251-259.	3.8	100
9	Physical mapping of the holoprosencephaly critical region on chromosome 7q36. <i>Nature Genetics</i> , 1993, 3, 247-251.	21.4	95
10	Spin-Stretching of DNA and Protein Molecules for Detection by Fluorescence and Atomic Force Microscopy. <i>Analytical Chemistry</i> , 1999, 71, 4418-4422.	6.5	86
11	Parallel processing data acquisition system for multilaser flow cytometry and cell sorting. <i>Cytometry</i> , 1989, 10, 282-293.	1.8	83
12	Improved resolution of flow cytometric measurements of hoechst- and chromomycin-A3-stained human chromosomes after addition of citrate and sulfite. <i>Cytometry</i> , 1988, 9, 266-270.	1.8	69
13	Effect of cyclosporin A on daunorubicin accumulation in multidrug-resistant P388 leukemia cells measured by real-time flow cytometry. <i>Cancer Chemotherapy and Pharmacology</i> , 1989, 23, 296-300.	2.3	58
14	Photo-bleaching and photon saturation in flow cytometry. <i>Cytometry</i> , 1992, 13, 669-677.	1.8	51
15	Comparative sequencing of a multicopy subtelomeric region containing olfactory receptor genes reveals multiple interactions between non-homologous chromosomes. <i>Human Molecular Genetics</i> , 2001, 10, 2363-2372.	2.9	51
16	Quantification by flow cytometry of chromosome-17 deletions in Smith-Magenis syndrome patients. <i>Human Genetics</i> , 1996, 98, 710-718.	3.8	47
17	Analysis and sorting of prostate cancer cell types by flow cytometry. , 1999, 40, 192-199.		43
18	A rapid and sensitive flow cytometric method for the detection of multidrug-resistant cells. <i>Cytometry</i> , 1989, 10, 463-468.	1.8	42

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19	Quantification of the DNA content of structurally abnormal X chromosomes and X chromosome aneuploidy using high resolution bivariate flow karyotyping. <i>Cytometry</i> , 1990, 11, 184-195.	1.8	38
20	Marine microgels: Optical and proteomic fingerprints. <i>Marine Chemistry</i> , 2007, 105, 229-239.	2.3	37
21	Calcification state of coccolithophores can be assessed by light scatter depolarization measurements with flow cytometry. <i>Journal of Plankton Research</i> , 2012, 34, 1011-1027.	1.8	35
22	Mapping a Protein-Binding Site on Straightened DNA by Atomic Force Microscopy. <i>Analytical Biochemistry</i> , 1998, 264, 158-164.	2.4	34
23	Changes in cell surface molecules associated with in vitro culture of prostatic stromal cells. <i>Prostate</i> , 2000, 44, 303-312.	2.3	31
24	Kinetic analyses as a critical parameter in defining the side population (SP) phenotype. <i>Experimental Cell Research</i> , 2007, 313, 1921-1926.	2.6	30
25	Use of Flow Cytometry to Measure Biogeochemical Rates and Processes in the Ocean. <i>Annual Review of Marine Science</i> , 2011, 3, 537-566.	11.6	30
26	Molecular characterization of a patient with del(1)(q23â€“q25). <i>Human Genetics</i> , 1991, 87, 269-277.	3.8	28
27	Treatment of cells with alkaline borate buffer extends the capability of interphase FISH mapping. <i>Genomics</i> , 1995, 25, 485-491.	2.9	28
28	Numismatic gyrations. <i>Nature</i> , 2000, 408, 540-540.	27.8	28
29	Use of fluorescent sequence-specific polyamides to discriminate human chromosomes by microscopy and flow cytometry. <i>Nucleic Acids Research</i> , 2002, 30, 2790-2799.	14.5	27
30	Fluorescence spectra of DNA dyes measured in a flow cytometer. , 1996, 24, 234-242.		26
31	Human prostate epithelial cell-type cDNA libraries and prostate expression patterns. <i>Prostate</i> , 2002, 50, 92-103.	2.3	26
32	Chromatic shifts in the fluorescence emitted by murine thymocytes stained with Hoechst 33342. <i>Cytometry</i> , 2004, 60A, 173-181.	1.8	25
33	Flow cytometric characterization of marine microbes. <i>Methods</i> , 2012, 57, 350-358.	3.8	25
34	Smith-Magenis syndrome deletion: A case with equivocal cytogenetic findings resolved by fluorescence in situ hybridization. <i>American Journal of Medical Genetics Part A</i> , 1995, 58, 286-291.	2.4	24
35	A Yeast Artificial Chromosome (YAC) Contig Encompassing the Critical Region of the X-Linked Lymphoproliferative Disease (XLP) Locus. <i>Genomics</i> , 1997, 39, 55-65.	2.9	23
36	Gaps in the Human Genome Project. <i>Nature</i> , 1999, 401, 843-845.	27.8	22

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37	Modeling the Feasibility of Whole Genome Shotgun Sequencing Using a Pairwise End Strategy. <i>Genomics</i> , 2000, 68, 237-246.	2.9	22
38	High-speed chromosome sorting. <i>Chromosome Research</i> , 2004, 12, 5-14.	2.2	20
39	Recent Reticulate Evolution in the Ecologically Dominant Lineage of Coccolithophores. <i>Frontiers in Microbiology</i> , 2016, 7, 784.	3.5	18
40	Analysis of Sequence-Tagged-Connector Strategies for DNA Sequencing. <i>Genome Research</i> , 1999, 9, 297-307.	5.5	18
41	A computer program for analyzing bivariate flow karyotypes. <i>Cytometry</i> , 1990, 11, 173-183.	1.8	17
42	Polarization of scatter and fluorescence signals in flow cytometry. , 2000, 40, 88-101.		17
43	Dynamics of <i>Prochlorococcus</i> Diversity and Photoacclimation During Short-Term Shifts in Water Column Stratification at Station ALOHA. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	17
44	Direct selection of cDNAs using whole chromosomes. <i>Nucleic Acids Research</i> , 1995, 23, 4415-4420.	14.5	16
45	A dual-fluorescence reporter system for high-throughput clone characterization and selection by cell sorting. <i>Nucleic Acids Research</i> , 2005, 33, e49-e49.	14.5	16
46	Fluorescence in Situ hybridization mapping of human chromosome 19: Mapping and verification of cosmid contigs formed by random restriction enzyme fingerprinting. <i>Genomics</i> , 1992, 14, 162-167.	2.9	14
47	Distinctive Archaeal Composition of an Artisanal Crystallizer Pond and Functional Insights Into Salt-Saturated Hypersaline Environment Adaptation. <i>Frontiers in Microbiology</i> , 2018, 9, 1800.	3.5	14
48	A method to analyze, sort, and retain viability of obligate anaerobic microorganisms from complex microbial communities. <i>Journal of Microbiological Methods</i> , 2015, 117, 74-77.	1.6	13
49	Stability of the breakoff point in a high-speed cell sorter. <i>Cytometry</i> , 2003, 56A, 63-70.	1.8	12
50	Loss of Filamentous Multicellularity in <i>Cyanobacteria</i> : the Extremophile <i>Gloeocapsopsis</i> sp. Strain UTEX B3054 Retained Multicellular Features at the Genomic and Behavioral Levels. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	12
51	Sharp DNA Bends as Landmarks of Protein-Binding Sites on Straightened DNA. <i>Analytical Chemistry</i> , 1999, 71, 1663-1667.	6.5	10
52	A multi-laser flow cytometry method to measure single cell and population-level relative fluorescence action spectra for the targeted study and isolation of phytoplankton in complex assemblages. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 39-49.	2.0	10
53	New applications of flow cytometry. <i>Current Opinion in Biotechnology</i> , 1993, 4, 63-68.	6.6	7
54	Optimization of Restriction Fragment DNA Mapping. <i>Journal of Computational Biology</i> , 1998, 5, 113-126.	1.6	7

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55	Expectation and Variance of True and False Fragment Matches in DNA Restriction Mapping. <i>Journal of Computational Biology</i> , 1998, 5, 101-111.	1.6	7
56	The polarization of fluorescence of DNA stains depends on the incorporation density of the dye molecules. <i>Cytometry</i> , 2004, 61A, 18-25.	1.8	7
57	Immunofluorescent labeling of centromeres for flow cytometric analysis. <i>Cytometry</i> , 1992, 13, 478-484.	1.8	4
58	Analysis of randomly amplified flow-sorted chromosomes using the polymerase chain reaction. <i>Genomics</i> , 1995, 26, 364-371.	2.9	4
59	Chapter 34 Chromosome and Nuclei Isolation with the MgSO <sub>4</sub> Procedure. <i>Methods in Cell Biology</i> , 1990, 33, 363-367.	1.1	3
60	Monitoring Microbial Communities in the Marine Environment. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 717-721.	1.5	3