

# Ulrike Korf

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,895  
citations

279798

23  
h-index

265206

42  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling ERBB receptor-regulated G1/S transition to find novel targets for de novo trastuzumab resistance. <i>BMC Systems Biology</i> , 2009, 3, 1.	3.0	242
2	Global microRNA level regulation of EGFR-driven cell cycle protein network in breast cancer. <i>Molecular Systems Biology</i> , 2012, 8, 570.	7.2	184
3	Realizing the Promise of Reverse Phase Protein Arrays for Clinical, Translational, and Basic Research: A Workshop Report. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1625-1643.	3.8	152
4	Local variations of HER2 dimerization in breast cancer cells discovered by correlative fluorescence and liquid electron microscopy. <i>Science Advances</i> , 2015, 1, e1500165.	10.3	90
5	Infrared-based protein detection arrays for quantitative proteomics. <i>Proteomics</i> , 2007, 7, 558-564.	2.2	77
6	Proteomic profiling of breast cancer metabolism identifies SHMT2 and ASCT2 as prognostic factors. <i>Breast Cancer Research</i> , 2017, 19, 112.	5.0	75
7	Synergism between Hedgehog-Gli and EGFR Signaling in Hedgehog-Responsive Human Medulloblastoma Cells Induces Downregulation of Canonical Hedgehog-Target Genes and Stabilized Expression of Gli1. <i>PLoS ONE</i> , 2013, 8, e65403.	2.5	72
8	RPPanalyzer: Analysis of reverse-phase protein array data. <i>Bioinformatics</i> , 2010, 26, 2202-2203.	4.1	63
9	Unbiased RNAi screen for hepcidin regulators links hepcidin suppression to proliferative Ras/RAF and nutrient-dependent mTOR signaling. <i>Blood</i> , 2014, 123, 1574-1585.	1.4	62
10	PI3K: A master regulator of brain metastasis-promoting macrophages/microglia. <i>Glia</i> , 2018, 66, 2438-2455.	4.9	59
11	Combinatorial RNAi for quantitative protein network analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6579-6584.	7.1	55
12	Large-scale protein expression for proteome research. <i>Proteomics</i> , 2005, 5, 3571-3580.	2.2	53
13	Multi-omic profiles of human non-alcoholic fatty liver disease tissue highlight heterogenic phenotypes. <i>Scientific Data</i> , 2015, 2, 150068.	5.3	48
14	Peroxiredoxins 3 and 4 Are Overexpressed in Prostate Cancer Tissue and Affect the Proliferation of Prostate Cancer Cells in Vitro. <i>Journal of Proteome Research</i> , 2012, 11, 2452-2466.	3.7	46
15	From ORFeome to Biology: A Functional Genomics Pipeline. <i>Genome Research</i> , 2004, 14, 2136-2144.	5.5	44
16	Evaluation of reverse phase protein array (RPPA)-based pathway-activation profiling in 84 non-small cell lung cancer (NSCLC) cell lines as platform for cancer proteomics and biomarker discovery. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 950-959.	2.3	44
17	Systematic comparison of surface coatings for protein microarrays. <i>Proteomics</i> , 2005, 5, 4705-4712.	2.2	42
18	Boolean ErbB network reconstructions and perturbation simulations reveal individual drug response in different breast cancer cell lines. <i>BMC Systems Biology</i> , 2014, 8, 75.	3.0	36

#	ARTICLE	IF	CITATIONS
19	RPPanalyzer Toolbox: An improved R package for analysis of reverse phase protein array data. <i>BioTechniques</i> , 2014, 57, 125-135.	1.8	36
20	Quantitative protein microarrays for time-resolved measurements of protein phosphorylation. <i>Proteomics</i> , 2008, 8, 4603-4612.	2.2	30
21	uPA and PAI-1-Related Signaling Pathways Differ between Primary Breast Cancers and Lymph Node Metastases. <i>Translational Oncology</i> , 2012, 5, 98-IN3.	3.7	29
22	Dynamic deterministic effects propagation networks: learning signalling pathways from longitudinal protein array data. <i>Bioinformatics</i> , 2010, 26, i596-i602.	4.1	28
23	Triplex DNA-binding proteins are associated with clinical outcomes revealed by proteomic measurements in patients with colorectal cancer. <i>Molecular Cancer</i> , 2012, 11, 38.	19.2	25
24	A Systems Biology Approach to Deciphering the Etiology of Steatosis Employing Patient-Derived Dermal Fibroblasts and iPS Cells. <i>Frontiers in Physiology</i> , 2012, 3, 339.	2.8	22
25	Protein microarrays as a discovery tool for studying protein-protein interactions. <i>Expert Review of Proteomics</i> , 2005, 2, 13-26.	3.0	20
26	Automated production of recombinant human proteins as resource for proteome research. <i>Proteome Science</i> , 2008, 6, 4.	1.7	20
27	Reverse phase protein array based tumor profiling identifies a biomarker signature for risk classification of hormone receptor-positive breast cancer. <i>Translational Proteomics</i> , 2014, 2, 52-59.	1.2	19
28	Coordinated Pulses of mRNA and of Protein Translation or Degradation Produce EGF-Induced Protein Bursts. <i>Cell Reports</i> , 2017, 18, 3129-3142.	6.4	19
29	Liquid-phase electron microscopy of molecular drug response in breast cancer cells reveals irresponsive cell subpopulations related to lack of HER2 homodimers. <i>Molecular Biology of the Cell</i> , 2017, 28, 3193-3202.	2.1	19
30	RNAi-based validation of antibodies for reverse phase protein arrays. <i>Proteome Science</i> , 2010, 8, 69.	1.7	18
31	Increasing the sensitivity of reverse phase protein arrays by antibody-mediated signal amplification. <i>Proteome Science</i> , 2010, 8, 36.	1.7	17
32	Subtyping of breast cancer using reverse phase protein arrays. <i>Expert Review of Proteomics</i> , 2014, 11, 757-770.	3.0	17
33	Dynamic Bayesian Network Modeling of the Interplay between EGFR and Hedgehog Signaling. <i>PLoS ONE</i> , 2015, 10, e0142646.	2.5	15
34	Integrating proteomics into precision oncology. <i>International Journal of Cancer</i> , 2021, 148, 1438-1451.	5.1	15
35	Analysis of Reverse Phase Protein Array Data: From Experimental Design towards Targeted Biomarker Discovery. <i>Microarrays (Basel, Switzerland)</i> , 2015, 4, 520-539.	1.4	14
36	Contact spotting of protein microarrays coupled with spike-in of normalizer protein permits time-resolved analysis of ERBB receptor signaling. <i>Proteomics</i> , 2008, 8, 1586-1594.	2.2	13

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37	Activation of AMP-activated protein kinase sensitizes lung cancer cells and H1299 xenografts to erlotinib. <i>Lung Cancer</i> , 2014, 86, 151-157.	2.0	12
38	Functional Proteomics of Breast Cancer Metabolism Identifies GLUL as Responder during Hypoxic Adaptation. <i>Journal of Proteome Research</i> , 2019, 18, 1352-1362.	3.7	9
39	Integrative analysis of multi-platform reverse-phase protein array data for the pharmacodynamic assessment of response to targeted therapies. <i>Scientific Reports</i> , 2020, 10, 21985.	3.3	9
40	Antibody Microarrays as an Experimental Platform for the Analysis of Signal Transduction Networks. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2008, 110, 153-175.	1.1	7
41	Reverse-phase protein arrays for application-orientated cancer research. <i>Proteomics - Clinical Applications</i> , 2009, 3, 1140-1150.	1.6	6
42	QuantProReloaded: quantitative analysis of microspot immunoassays. <i>Bioinformatics</i> , 2010, 26, 2480-2481.	4.1	5
43	Antibody-Mediated Signal Amplification for Reverse Phase Protein Array-Based Protein Quantification. <i>Methods in Molecular Biology</i> , 2011, 785, 55-64.	0.9	5
44	High-Throughput Profiling of Colorectal Cancer Liver Metastases Reveals Intra- and Inter-Patient Heterogeneity in the EGFR and WNT Pathways Associated with Clinical Outcome. <i>Cancers</i> , 2022, 14, 2084.	3.7	5
45	Coordinated regulation of WNT/ $\beta$ -catenin, c-Met, and integrin signalling pathways by miR-193b controls triple negative breast cancer metastatic traits. <i>BMC Cancer</i> , 2021, 21, 1296.	2.6	4
46	Disentangling ERBB Signaling in Breast Cancer Subtypes – A Model-Based Analysis. <i>Cancers</i> , 2022, 14, 2379.	3.7	4
47	Utilization of RNAi to Validate Antibodies for Reverse Phase Protein Arrays. <i>Methods in Molecular Biology</i> , 2011, 785, 45-54.	0.9	3
48	Infrared-based protein detection arrays for quantitative proteomics. <i>Expert Opinion on Drug Discovery</i> , 2008, 3, 273-283.	5.0	2
49	Quantitative Analysis of Phosphoproteins Using Microspot Immunoassays. <i>Methods in Molecular Biology</i> , 2011, 785, 191-201.	0.9	1
50	Reconstruction of Different Modes of WNT Dependent Protein Networks from Time Series Protein Quantification. <i>Studies in Health Technology and Informatics</i> , 2019, 267, 175-180.	0.3	1
51	Reconstruction of Protein Networks Using Reverse-Phase Protein Array Data. <i>Methods in Molecular Biology</i> , 2016, 1362, 227-246.	0.9	1
52	Visualizing the Distribution and Stoichiometry of Growth Factor Receptors in Intact Cells in Liquid Phase with Correlative Fluorescence and Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 213-214.	0.4	0
53	Role of Heterogeneity in Cancer Cells Examined through Quantitative Analysis of Single HER2 Protein Distribution and Activation Status. <i>Microscopy and Microanalysis</i> , 2016, 22, 26-27.	0.4	0