Alexander von Kriegsheim

List of Publications by Year
in descending order

106 papers	10,434 citations	81839 39 h-index	34964 98 g-index
130 all docs	130 docs citations	130 times ranked	16204 citing authors

#	Article	IF	Citations
1	Vitamin D treatment induces in vitro and ex vivo transcriptomic changes indicating antiâ€tumor effects. FASEB Journal, 2022, 36, e22082.	0.2	6
2	RNA splicing is a key mediator of tumour cell plasticity and a therapeutic vulnerability in colorectal cancer. Nature Communications, 2022, 13, 2791.	5.8	11
3	The RNA-bound proteome of MRSA reveals post-transcriptional roles for helix-turn-helix DNA-binding and Rossmann-fold proteins. Nature Communications, 2022, 13, .	5.8	13
4	Characterisation of a nucleo-adhesome. Nature Communications, 2022, 13, .	5.8	4
5	Impaired oxygen-sensitive regulation of mitochondrial biogenesis within the von Hippelâ€“Lindau syndrome. Nature Metabolism, 2022, 4, 739-758.	5.1	6
6	Neutrophils Fuel Effective Immune Responses through Gluconeogenesis and Glycogenesis. Cell Metabolism, 2021, 33, 411-423.e4.	7.2	84
7	A novel role of MNT as a negative regulator of REL and the NF-Î²B pathway. Oncogenesis, 2021, 10, 5.	2.1	1
8	ÂÂÂÂÂÂÂA type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDSÂÂÂ. Wellcome Open Research, 2021, 6, 38.	0.9	29
9	IQGAP1 Is a Scaffold of the Core Proteins of the Hippo Pathway and Negatively Regulates the Pro-Apoptotic Signal Mediated by This Pathway. Cells, 2021, 10, 478.	1.8	14
10	RAC1B modulates intestinal tumourigenesis via modulation of WNT and EGFR signalling pathways. Nature Communications, 2021, 12, 2335.	5.8	20
11	MIR503HG Loss Promotes Endothelial-to-Mesenchymal Transition in Vascular Disease. Circulation Research, 2021, 128, 1173-1190.	2.0	41
12	Hypoxia drives murine neutrophil protein scavenging to maintain central carbon metabolism. Journal of Clinical Investigation, 2021, 131, .	3.9	21
13	ÂÂÂÂÂÂÂA type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDSÂÂÂ. Wellcome Open Research, 2021, 6, 38.	0.9	35
14	Nucleo-cytoplasmic shuttling of splicing factor SRSF1 is required for development and cilia function. ELife, 2021, 10, .	2.8	25
15	RASSF1C oncogene elicits amoeboid invasion, cancer stemness, and extracellular vesicle release via a SRC/Rho axis. EMBO Journal, 2021, 40, e107680.	3.5	12
16	ISGylation drives basal breast tumour progression by promoting EGFR recycling and Akt signalling. Oncogene, 2021, 40, 6235-6247.	2.6	16
17	The Drosophila orthologue of the primary ciliary dyskinesia-associated gene, DNAAF3, is required for axonemal dynein assembly. Biology Open, 2021, 10, .	0.6	9
18	Aircraft noise exposure drives the activation of white blood cells and induces microvascular dysfunction in mice. Redox Biology, 2021, 46, 102063.	3.9	18

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19	The mRNA m6A reader YTHDF2 suppresses proinflammatory pathways and sustains hematopoietic stem cell function. Journal of Experimental Medicine, 2021, 218, .	4.2	90
20	In vivo analysis of noise dependent activation of white blood cells and microvascular dysfunction in mice. MethodsX, 2021, 8, 101540.	0.7	3
21	A Novel C1q Domain-Containing Protein Isolated from the Mollusk Modiolus kurilensis Recognizing Glycans Enriched with Acidic Galactans and Mannans. Marine Drugs, 2021, 19, 668.	2.2	8
22	Disruption of the TCA cycle reveals an ATF4-dependent integration of redox and amino acid metabolism. ELife, 2021, 10, .	2.8	44
23	PRL3-DDX21 Transcriptional Control of Endolysosomal Genes Restricts Melanocyte Stem Cell Differentiation. Developmental Cell, 2020, 54, 317-332.e9.	3.1	30
24	The RhoA regulators Myo9b and GEFâ€H1 are targets of cyclic nucleotideâ€dependent kinases in platelets. Journal of Thrombosis and Haemostasis, 2020, 18, 3002-3012.	1.9	12
25	Asparagine Hydroxylation is a Reversible Post-translational Modification. Molecular and Cellular Proteomics, 2020, 19, 1777-1789.	2.5	13
26	Novel roles of PRK1 and PRK2 in cilia and cancer biology. Scientific Reports, 2020, 10, 3902.	1.6	10
27	The autophagy protein Ambra1 regulates gene expression by supporting novel transcriptional complexes. Journal of Biological Chemistry, 2020, 295, 12045-12057.	1.6	13
28	A Synergistic Anticancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemicalâ€“Genetic High-Content Phenotypic Screen. Molecular Cancer Therapeutics, 2020, 19, 637-649.	1.9	16
29	Anti-brain protein autoantibodies are detectable in extraparenchymal but not parenchymal neurocysticercosis. Journal of Neuroimmunology, 2020, 344, 577234.	1.1	4
30	Periodic propagating waves coordinate RhoGTPase network dynamics at the leading and trailing edges during cell migration. ELife, 2020, 9, .	2.8	40
31	An Integrated Global Analysis of Compartmentalized HRAS Signaling. Cell Reports, 2019, 26, 3100-3115.e7.	2.9	36
32	ITPase deficiency causes a Martsolf-like syndrome with a lethal infantile dilated cardiomyopathy. PLoS Genetics, 2019, 15, e1007605.	1.5	25
33	EglN3 hydroxylase stabilizes BIM-EL linking VHL type 2C mutations to pheochromocytoma pathogenesis and chemotherapy resistance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16997-17006.	3.3	13
34	Prolyl hydroxylase substrate adenylosuccinate lyase is an oncogenic driver in triple negative breast cancer. Nature Communications, 2019, 10, 5177.	5.8	27
35	BRD4 interacts with NIPBL and BRD4 is mutated in a Cornelia de Langeâ€“like syndrome. Nature Genetics, 2018, 50, 329-332.	9.4	96
36	RASSF1A uncouples Wnt from Hippo signalling and promotes YAP mediated differentiation via p73. Nature Communications, 2018, 9, 424.	5.8	72

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37	Transcriptionally inducible Pleckstrin homology-like domain, family A, member 1, attenuates ErbB receptor activity by inhibiting receptor oligomerization. Journal of Biological Chemistry, 2018, 293, 2206-2218.	1.6	9
38	Mass Spectrometry and Bioinformatic Analysis of Hydroxylation-Dependent Protein-Protein Interactions. Methods in Molecular Biology, 2018, 1742, 27-36.	0.4	5
39	CCPG1 Is a Non-canonical Autophagy Cargo Receptor Essential for ER-Phagy and Pancreatic ER Proteostasis. Developmental Cell, 2018, 44, 217-232.e11.	3.1	315
40	Nucleolar-nucleoplasmic shuttling of TARG1 and its control by DNA damage-induced poly-ADP-ribosylation and by nucleolar transcription. Scientific Reports, 2018, 8, 6748.	1.6	32
41	Rac1 and RhoA: Networks, loops and bistability. Small GTPases, 2018, 9, 316-321.	0.7	74
42	Potential mechanisms of calcium dependent regulation of the mammalian cell cycle revealed by comprehensive unbiased label-free nLC-MS/MS quantitative proteomics. Journal of Proteomics, 2018, 170, 151-166.	1.2	4
43	ALDH1 Bio-activates Nifuroxazide to Eradicate ALDHHigh Melanoma-Initiating Cells. Cell Chemical Biology, 2018, 25, 1456-1469.e6.	2.5	43
44	Ciliary dynein motor preassembly is regulated by Wdr92 in association with HSP90 co-chaperone, R2TP. Journal of Cell Biology, 2018, 217, 2583-2598.	2.3	53
45	iTAP, a novel iRhom interactor, controls TNF secretion by policing the stability of iRhom/TACE. ELife, 2018, 7, .	2.8	47
46	An efficient and scalable pipeline for epitope tagging in mammalian stem cells using Cas9 ribonucleoprotein. ELife, 2018, 7, .	2.8	45
47	PHD3 Regulates p53 Protein Stability by Hydroxylating Proline 359. Cell Reports, 2018, 24, 1316-1329.	2.9	51
48	Uncovering Bistability in the Rac1/RhoA Signaling Network Through Integrating Computational Modeling and Experimentation. Methods in Molecular Biology, 2018, 1821, 21-36.	0.4	1
49	Chemosensitivity profiling of osteosarcoma tumour cell lines identifies a model of BRCAness. Scientific Reports, 2018, 8, 10614.	1.6	13
50	ALIX Regulates Tumor-Mediated Immunosuppression by Controlling EGFR Activity and PD-L1 Presentation. Cell Reports, 2018, 24, 630-641.	2.9	103
51	Identification of a novel TIF-IAâ€“NF-ÎºB nucleolar stress response pathway. Nucleic Acids Research, 2018, 46, 6188-6205.	6.5	27
52	<scp>HUWE</scp> 1 is a critical colonic tumour suppressor gene that prevents <scp>MYC</scp> signalling, <scp>DNA</scp> damage accumulation and tumour initiation. EMBO Molecular Medicine, 2017, 9, 181-197.	3.3	63
53	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. Journal of Cell Biology, 2017, 216, 999-1013.	2.3	33
54	Mutations in DONSON disrupt replication fork stability and cause microcephalic dwarfism. Nature Genetics, 2017, 49, 537-549.	9.4	81

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55	PLAA Mutations Cause a Lethal Infantile Epileptic Encephalopathy by Disrupting Ubiquitin-Mediated Endolysosomal Degradation of Synaptic Proteins. American Journal of Human Genetics, 2017, 100, 706-724.	2.6	37
56	Carbon dioxide-dependent regulation of NF-ÎºB family members RelB and p100 gives molecular insight into CO2-dependent immune regulation. Journal of Biological Chemistry, 2017, 292, 11561-11571.	1.6	25
57	Common and Distinctive Functions of the Hippo Effectors Taz and Yap in Skeletal Muscle Stem Cell Function. Stem Cells, 2017, 35, 1958-1972.	1.4	93
58	Hypoxia Reduces the Pathogenicity of Pseudomonas aeruginosa by Decreasing the Expression of Multiple Virulence Factors. Journal of Infectious Diseases, 2017, 215, 1459-1467.	1.9	22
59	Phosphorylation of iRhom2 Controls Stimulated Proteolytic Shedding by the Metalloprotease ADAM17/TACE. Cell Reports, 2017, 21, 745-757.	2.9	86
60	Targeting endothelin receptor signalling overcomes heterogeneity driven therapy failure. EMBO Molecular Medicine, 2017, 9, 1011-1029.	3.3	63
61	H3K36me3 and PSIP1/LEDGF associate with several DNA repair proteins, suggesting their role in efficient DNA repair at actively transcribing loci. Wellcome Open Research, 2017, 2, 83.	0.9	9
62	Protein-Protein Interaction Detection Via Mass Spectrometry-Based Proteomics. Advances in Experimental Medicine and Biology, 2016, 919, 383-396.	0.8	11
63	Prolyl hydroxylase-1 regulates hepatocyte apoptosis in an NF-ÎºB-dependent manner. Biochemical and Biophysical Research Communications, 2016, 474, 579-586.	1.0	26
64	Dnmt3a and Dnmt3b Associate with Enhancers to Regulate Human Epidermal Stem Cell Homeostasis. Cell Stem Cell, 2016, 19, 491-501.	5.2	170
65	NADPH oxidase-derived H ₂ O ₂ subverts pathogen signaling by oxidative phosphotyrosine conversion to PB-DOPA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10406-10411.	3.3	41
66	Autophosphorylation on S614 inhibits the activity and the transforming potential of BRAF. Cellular Signalling, 2016, 28, 1432-1439.	1.7	6
67	WT1-Associated Proteinâ€“Protein Interaction Networks. Methods in Molecular Biology, 2016, 1467, 189-196.	0.4	3
68	Rapamycin regulates autophagy and cell adhesion in induced pluripotent stem cells. Stem Cell Research and Therapy, 2016, 7, 166.	2.4	74
69	Bistability in the Rac1, PAK, and RhoA Signaling Network Drives Actin Cytoskeleton Dynamics and Cell Motility Switches. Cell Systems, 2016, 2, 38-48.	2.9	159
70	Substrate-Trapped Interactors of PHD3 and FIH Cluster in Distinct Signaling Pathways. Cell Reports, 2016, 14, 2745-2760.	2.9	79
71	A new ER-specific photosensitizer unravels 1O2-driven protein oxidation and inhibition of deubiquitinases as a generic mechanism for cancer PDT. Oncogene, 2016, 35, 3976-3985.	2.6	31
72	FIH Regulates Cellular Metabolism through Hydroxylation of the Deubiquitinase OTUB1. PLoS Biology, 2016, 14, e1002347.	2.6	78

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73	cGMP and cAMP pathways rearrange ARHGAP17 and ARHGEF6 protein complexes to control Rac1 in platelets. BMC Pharmacology & Toxicology, 2015, 16, .	1.0	0
74	Network-based identification of feedback modules that control RhoA activity and cell migration. Journal of Molecular Cell Biology, 2015, 7, 242-252.	1.5	20
75	Cyclic Nucleotide-dependent Protein Kinases Target ARHGAP17 and ARHGEF6 Complexes in Platelets. Journal of Biological Chemistry, 2015, 290, 29974-29983.	1.6	28
76	Signalling mechanisms regulating phenotypic changes in breast cancer cells. Bioscience Reports, 2015, 35, .	1.1	9
77	Growth Cone Localization of the mRNA Encoding the Chromatin Regulator HMGN5 Modulates Neurite Outgrowth. Molecular and Cellular Biology, 2015, 35, 2035-2050.	1.1	22
78	Nuclear FAK Controls Chemokine Transcription, Tregs, and Evasion of Anti-tumor Immunity. Cell, 2015, 163, 160-173.	13.5	304
79	Mechanochemical Stimulation of MCF7 Cells with Rodâ€Shaped Feâ€“Au Janus Particles Induces Cell Death Through Paradoxical Hyperactivation of ERK. Advanced Healthcare Materials, 2015, 4, 395-404.	3.9	26
80	On-Beads Digestion in Conjunction with Data-Dependent Mass Spectrometry: A Shortcut to Quantitative and Dynamic Interaction Proteomics. Biology, 2014, 3, 320-332.	1.3	126
81	HEATR2 Plays a Conserved Role in Assembly of the Ciliary Motile Apparatus. PLoS Genetics, 2014, 10, e1004577.	1.5	67
82	293: MNT roles and expression in the absence of MAX. European Journal of Cancer, 2014, 50, S69.	1.3	0
83	In vitro study of the interaction of heregulin-functionalized magneticâ€“optical nanorods with MCF7 and MDA-MB-231 cells. Faraday Discussions, 2014, 175, 189-201.	1.6	1
84	HGF Induces Epithelial-to-Mesenchymal Transition by Modulating the Mammalian Hippo/MST2 and ISG15 Pathways. Journal of Proteome Research, 2014, 13, 2874-2886.	1.8	82
85	Nonlinear signalling networks and cell-to-cell variability transform external signals into broadly distributed or bimodal responses. Journal of the Royal Society Interface, 2014, 11, 20140383.	1.5	24
86	Signalling by protein phosphatases and drug development: a systemsâ€centred view. FEBS Journal, 2013, 280, 751-765.	2.2	47
87	Extracellular Signal-Regulated Kinase Regulates RhoA Activation and Tumor Cell Plasticity by Inhibiting Guanine Exchange Factor H1 Activity. Molecular and Cellular Biology, 2013, 33, 4526-4537.	1.1	30
88	RCP-driven Î±5Î²1 recycling suppresses Rac and promotes RhoA activity via the RacGAP1â€“IQGAP1 complex. Journal of Cell Biology, 2013, 202, 917-935.	2.3	119
89	Regulation of IL-1Î²â€“induced NF-ÎºB by hydroxylases links key hypoxic and inflammatory signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18490-18495.	3.3	145
90	Prolyl Hydroxylase 1 (PHD1) and Factor Inhibiting HIF (FIH) regulate ILâ€1Î²â€induced NFâ€ÎºB activity linking key hypoxic and inflammatory signaling pathways. FASEB Journal, 2013, 27, 717.9.	0.2	2

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91	ERK2 drives tumour cell migration in 3D microenvironments by suppressing expression of Rab17 and Liprin-Î²2. Journal of Cell Science, 2012, 125, 1465-77.	1.2	56
92	Mammalian protein expression noise: scaling principles and the implications for knockdown experiments. Molecular BioSystems, 2012, 8, 3068.	2.9	15
93	FLIM-FRET imaging in vivo reveals 3D-environment spatially regulates RhoGTPase activity during cancer cell invasion. Small GTPases, 2011, 2, 239-244.	0.7	25
94	Linear Approaches to Intramolecular FÃ¶rster Resonance Energy Transfer Probe Measurements for Quantitative Modeling. PLoS ONE, 2011, 6, e27823.	1.1	18
95	Raf Family Kinases: Old Dogs Have Learned New Tricks. Genes and Cancer, 2011, 2, 232-260.	0.6	322
96	Spatial Regulation of RhoA Activity during Pancreatic Cancer Cell Invasion Driven by Mutant p53. Cancer Research, 2011, 71, 747-757.	0.4	127
97	Inferring Signaling Pathway Topologies from Multiple Perturbation Measurements of Specific Biochemical Species. Science Signaling, 2010, 3, ra20.	1.6	101
98	Cell fate decisions are specified by the dynamic ERK interactome. Nature Cell Biology, 2009, 11, 1458-1464.	4.6	264
99	RASSF2 associates with and stabilizes the proapoptotic kinase MST2. Oncogene, 2009, 28, 2988-2998.	2.6	77
100	Proteomics and phosphoproteomics for the mapping of cellular signalling networks. Proteomics, 2008, 8, 4402-4415.	1.3	35
101	Mapping of Signaling Pathways by Functional Interaction Proteomics. Methods in Molecular Biology, 2008, 484, 177-192.	0.4	23
102	Phosphatase and Feedback Regulation of Raf-1 Signaling. Cell Cycle, 2007, 6, 3-7.	1.3	60
103	Regulation of the Rafâ€“MEKâ€“ERK pathway by protein phosphatase 5. Nature Cell Biology, 2006, 8, 1011-1016.	4.6	137
104	Towards complete analysis of the platelet proteome. Proteomics, 2002, 2, 288.	1.3	190
105	Targeting of HIF-Î± to the von Hippel-Lindau Ubiquitylation Complex by O ₂ -Regulated Prolyl Hydroxylation. Science, 2001, 292, 468-472.	6.0	4,966
106	Rapid and specific degradation of endogenous proteins in mouse models using auxin-inducible degrons. ELife, 0, 11, .	2.8	15