

Holger B Kramer

List of Publications by Year in descending order

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73
papers

3,993
citations

147801

31
h-index

128289

60
g-index

82
all docs

82
docs citations

82
times ranked

7045
citing authors

#	ARTICLE	IF	CITATIONS
1	Jmjd6 Catalyses Lysyl-Hydroxylation of U2AF65, a Protein Associated with RNA Splicing. <i>Science</i> , 2009, 325, 90-93.	12.6	356
2	Activity-Based Chemical Proteomics Accelerates Inhibitor Development for Deubiquitylating Enzymes. <i>Chemistry and Biology</i> , 2011, 18, 1401-1412.	6.0	348
3	Expanding the diversity of chemical protein modification allows post-translational mimicry. <i>Nature</i> , 2007, 446, 1105-1109.	27.8	298
4	Composition and Antigenic Effects of Individual Glycan Sites of a Trimeric HIV-1 Envelope Glycoprotein. <i>Cell Reports</i> , 2016, 14, 2695-2706.	6.4	250
5	Structural basis and specificity of human otubain 1-mediated deubiquitination. <i>Biochemical Journal</i> , 2009, 418, 379-390.	3.7	180
6	Antibodies to GABA _A receptor $\alpha 1$ and $\alpha 2$ subunits. <i>Neurology</i> , 2015, 84, 1233-1241.	1.1	159
7	Differential Sensitivity of Hypoxia Inducible Factor Hydroxylation Sites to Hypoxia and Hydroxylase Inhibitors. <i>Journal of Biological Chemistry</i> , 2011, 286, 13041-13051.	3.4	148
8	Proteomics-based Identification of Novel Factor Inhibiting Hypoxia-inducible Factor (FIH) Substrates Indicates Widespread Asparaginyl Hydroxylation of Ankyrin Repeat Domain-containing Proteins. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 535-546.	3.8	123
9	Deubiquitinating Enzyme Specificity for Ubiquitin Chain Topology Profiled by Di-Ubiquitin Activity Probes. <i>Chemistry and Biology</i> , 2013, 20, 1447-1455.	6.0	103
10	Sex Differences in Intestinal Carbohydrate Metabolism Promote Food Intake and Sperm Maturation. <i>Cell</i> , 2019, 178, 901-918.e16.	28.9	101
11	Dynamic Assembly of a Membrane Signaling Complex Enables Selective Activation of NFAT by Orai1. <i>Current Biology</i> , 2014, 24, 1361-1368.	3.9	87
12	Site-selective glycosylation of proteins: creating synthetic glycoproteins. <i>Nature Protocols</i> , 2007, 2, 3185-3194.	12.0	82
13	Elevation of Intact and Proteolytic Fragments of Acute Phase Proteins Constitutes the Earliest Systemic Antiviral Response in HIV-1 Infection. <i>PLoS Pathogens</i> , 2010, 6, e1000893.	4.7	80
14	Comparison of CID versus ETD based MS/MS fragmentation for the analysis of protein ubiquitination. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1652-1659.	2.8	69
15	Kinetic Investigations of the Role of Factor Inhibiting Hypoxia-inducible Factor (FIH) as an Oxygen Sensor. <i>Journal of Biological Chemistry</i> , 2015, 290, 19726-19742.	3.4	69
16	Sugar-Induced Obesity and Insulin Resistance Are Uncoupled from Shortened Survival in <i>Drosophila</i> . <i>Cell Metabolism</i> , 2020, 31, 710-725.e7.	16.2	68
17	Systemic Administration of Glibenclamide Fails to Achieve Therapeutic Levels in the Brain and Cerebrospinal Fluid of Rodents. <i>PLoS ONE</i> , 2015, 10, e0134476.	2.5	67
18	Post-translational modification of the deubiquitinating enzyme otubain1 modulates active RhoA levels and susceptibility to <i>Yersinia</i> invasion. <i>FEBS Journal</i> , 2010, 277, 2515-2530.	4.7	65

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19	Asparagine and Aspartate Hydroxylation of the Cytoskeletal Ankyrin Family Is Catalyzed by Factor-inhibiting Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2011, 286, 7648-7660.	3.4	63
20	Critical Role of the UBL Domain in Stimulating the E3 Ubiquitin Ligase Activity of UHRF1 toward Chromatin. <i>Molecular Cell</i> , 2018, 72, 739-752.e9.	9.7	63
21	Ankylosing spondylitis monocytes show upregulation of proteins involved in inflammation and the ubiquitin proteasome pathway. <i>Annals of the Rheumatic Diseases</i> , 2009, 68, 1626-1632.	0.9	62
22	Human oxygen sensing may have origins in prokaryotic elongation factor Tu prolyl-hydroxylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13331-13336.	7.1	60
23	Small-Molecule-Based Inhibition of Histone Demethylation in Cells Assessed by Quantitative Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 4082-4092.	3.7	56
24	Studies on the Reaction of Nitric Oxide with the Hypoxia-Inducible Factor Prolyl Hydroxylase Domain 2 (EGLN1). <i>Journal of Molecular Biology</i> , 2011, 410, 268-279.	4.2	54
25	Proteomics Analysis of Ovarian Cancer Cell Lines and Tissues Reveals Drug Resistance-associated Proteins. <i>Cancer Genomics and Proteomics</i> , 2017, 14, 35-52.	2.0	51
26	HIV-1 infection-induced apoptotic microparticles inhibit human DCs via CD44. <i>Journal of Clinical Investigation</i> , 2012, 122, 4685-4697.	8.2	47
27	FACT mediates cohesin function on chromatin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 970-979.	8.2	43
28	Detection of ubiquitin proteasome enzymatic activities in cells: Application of activity-based probes to inhibitor development. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 2029-2037.	4.1	41
29	A conserved ATP- and Scc2/4-dependent activity for cohesin in tethering DNA molecules. <i>Science Advances</i> , 2019, 5, eaay6804.	10.3	41
30	Systemic muscle wasting and coordinated tumour response drive tumourigenesis. <i>Nature Communications</i> , 2020, 11, 4653.	12.8	41
31	Transient and Partial Nuclear Lamina Disruption Promotes Chromosome Movement in Early Meiotic Prophase. <i>Developmental Cell</i> , 2018, 45, 212-225.e7.	7.0	40
32	Ligand amplification in a dynamic combinatorial glycopeptide library. <i>Chemical Communications</i> , 2005, 4264.	4.1	38
33	Aspartate/asparagine- β -hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. <i>Nature Communications</i> , 2019, 10, 4910.	12.8	34
34	Clinical features which predict neuronal surface autoantibodies in new-onset focal epilepsy: implications for immunotherapies. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 291-294.	1.9	34
35	Pharmacological Inhibition of FTO. <i>PLoS ONE</i> , 2015, 10, e0121829.	2.5	33
36	Norbornene probes for the study of cysteine oxidation. <i>Tetrahedron</i> , 2018, 74, 1220-1228.	1.9	32

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37	Indisulam targets RNA splicing and metabolism to serve as a therapeutic strategy for high-risk neuroblastoma. <i>Nature Communications</i> , 2022, 13, 1380.	12.8	32
38	Changes in Gene Expression Associated with FTO Overexpression in Mice. <i>PLoS ONE</i> , 2014, 9, e97162.	2.5	31
39	The Human Otubain2-Ubiquitin Structure Provides Insights into the Cleavage Specificity of Poly-Ubiquitin-Linkages. <i>PLoS ONE</i> , 2015, 10, e0115344.	2.5	31
40	Snapshots of actin and tubulin folding inside the TRiC chaperonin. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 420-429.	8.2	29
41	TRF1 averts chromatin remodelling, recombination and replication dependent-break induced replication at mouse telomeres. <i>ELife</i> , 2020, 9, .	6.0	27
42	The Antiviral Efficacy of HIV-Specific CD8+ T-Cells to a Conserved Epitope Is Heavily Dependent on the Infecting HIV-1 Isolate. <i>PLoS Pathogens</i> , 2011, 7, e1001341.	4.7	26
43	The Allergen Der p3 from House Dust Mite Stimulates Store-Operated Ca ²⁺ Channels and Mast Cell Migration through PAR4 Receptors. <i>Molecular Cell</i> , 2018, 70, 228-241.e5.	9.7	26
44	Identifying proteins bound to native mitotic ESC chromosomes reveals chromatin repressors are important for compaction. <i>Nature Communications</i> , 2020, 11, 4118.	12.8	26
45	Label-free quantitative proteomics reveals regulation of interferon-induced protein with tetratricopeptide repeats 3 (IFIT3) and 5'-3'-exoribonuclease 2 (XRN2) during respiratory syncytial virus infection. <i>Virology Journal</i> , 2011, 8, 442.	3.4	20
46	Fetal Macrosomia and Neonatal Hyperinsulinemic Hypoglycemia Associated With Transplacental Transfer of Sulfonylurea in a Mother With <i>KCNJ11</i> -Related Neonatal Diabetes. <i>Diabetes Care</i> , 2014, 37, 3333-3335.	8.6	19
47	PP4 phosphatase cooperates in recombinational DNA repair by enhancing double-strand break end resection. <i>Nucleic Acids Research</i> , 2019, 47, 10706-10727.	14.5	17
48	Single-nucleotide polymorphisms in <i>Orai1</i> associated with atopic dermatitis inhibit protein turnover, decrease calcium entry and disrupt calcium-dependent gene expression. <i>Human Molecular Genetics</i> , 2020, 29, 1808-1823.	2.9	15
49	Solvent Precipitation SP3 (SP4) Enhances Recovery for Proteomics Sample Preparation without Magnetic Beads. <i>Analytical Chemistry</i> , 2022, 94, 10320-10328.	6.5	15
50	Fluorescence-based active site probes for profiling deubiquitinating enzymes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3379.	2.8	14
51	Protein Profiling in Hepatocellular Carcinoma by Label-Free Quantitative Proteomics in Two West African Populations. <i>PLoS ONE</i> , 2013, 8, e68381.	2.5	14
52	Binding of sulphonylureas to plasma proteins – A KATP channel perspective. <i>PLoS ONE</i> , 2018, 13, e0197634.	2.5	14
53	Probing enzymatic activity – a radical approach. <i>Chemical Science</i> , 2020, 11, 2967-2972.	7.4	14
54	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. <i>IScience</i> , 2020, 23, 101334.	4.1	13

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55	Off-target inhibition of NGLY1 by the polycaspase inhibitor Z-VAD-fmk induces cellular autophagy. <i>FEBS Journal</i> , 2022, 289, 3115-3131.	4.7	12
56	The presence of prolines in the flanking region of an immunodominant HIV-2 gag epitope influences the quality and quantity of the epitope generated. <i>European Journal of Immunology</i> , 2015, 45, 2232-2242.	2.9	11
57	Use of Modified <i>Clostridium perfringens</i> Enterotoxin Fragments for Claudin Targeting in Liver and Skin Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4774.	4.1	10
58	AKAP79 Orchestrates a Cyclic AMP Signalingosome Adjacent to Orai1 Ca ²⁺ Channels. <i>Function</i> , 2021, 2, zqab036.	2.3	10
59	Î ² -synuclein potentiates synaptic vesicle dopamine uptake and rescues dopaminergic neurons from MPTP-induced death in the absence of other synucleins. <i>Journal of Biological Chemistry</i> , 2021, 297, 101375.	3.4	10
60	Growth-rate-dependent and nutrient-specific gene expression resource allocation in fission yeast. <i>Life Science Alliance</i> , 2022, 5, e202101223.	2.8	9
61	The Chemoselective One-Step Alkylation and Isolation of Thiophosphorylated Cdk2 Substrates in the Presence of Native Cysteine. <i>ChemBioChem</i> , 2011, 12, 633-640.	2.6	8
62	Glycomimetic affinity-enrichment proteomics identifies partners for a clinically-utilized iminosugar. <i>Chemical Science</i> , 2013, 4, 3442.	7.4	7
63	Sexually dimorphic roles for the type 2 diabetes-associated C2cd4b gene in murine glucose homeostasis. <i>Diabetologia</i> , 2021, 64, 850-864.	6.3	7
64	P17-28 LB. The antiviral efficacy of HIV-specific CD8 ⁺ T-cells to a conserved epitope is heavily dependent on the infecting HIV-1 isolate. <i>Retrovirology</i> , 2009, 6, .	2.0	6
65	Small-molecules that covalently react with a human prolyl hydroxylase " towards activity modulation and substrate capture. <i>Chemical Communications</i> , 2019, 55, 1020-1023.	4.1	6
66	The value of in vitro studies in a case of neonatal diabetes with a novel Kir6.2-W68G mutation. <i>Clinical Case Reports (discontinued)</i> , 2015, 3, 884-887.	0.5	4
67	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102020.	3.4	4
68	Natural Product Inhibitors of Ubiquitin Conjugation and Deconjugation. <i>Studies in Natural Products Chemistry</i> , 2016, , 207-242.	1.8	3
69	Caspr2 interacts with type 1 inositol 1,4,5-trisphosphate receptor in the developing cerebellum and regulates Purkinje cell morphology. <i>Journal of Biological Chemistry</i> , 2020, 295, 12716-12726.	3.4	3
70	Dissection-independent production of <i>Plasmodium</i> sporozoites from whole mosquitoes. <i>Life Science Alliance</i> , 2021, 4, e202101094.	2.8	2
71	Spatiotemporal Transitions in Cardiac Neuronal Co-Cultures. <i>Biophysical Journal</i> , 2014, 106, 630a.	0.5	1
72	Detection of Intravascular Hemolysis in Newborn Infants Using Urinary Carbonic Anhydrase I Immunoreactivity. <i>Journal of Applied Laboratory Medicine</i> , 2020, 5, 921-934.	1.3	1

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73	A modified density gradient proteomic-based method to analyze endolysosomal proteins in cardiac tissue. IScience, 2021, 24, 102949.	4.1	1