Karim Mekhail

List of Publications by Year
in descending order

43 papers	2,603 citations	236925 25 h-index	254184 43 g-index
54 all docs	54 docs citations	54 times ranked	3386 citing authors

#	Article	IF	Citations
1	Silencing of Epidermal Growth Factor Receptor Suppresses Hypoxia-Inducible Factor-2â€"Driven VHLâˆ'/âˆ' Renal Cancer. Cancer Research, 2005, 65, 5221-5230.	0.9	329
2	The nuclear envelope in genome organization, expression and stability. Nature Reviews Molecular Cell Biology, 2010, 11, 317-328.	37.0	248
3	HIF activation by pH-dependent nucleolar sequestration of VHL. Nature Cell Biology, 2004, 6, 642-647.	10.3	242
4	Role for perinuclear chromosome tethering in maintenance of genome stability. Nature, 2008, 456, 667-670.	27.8	215
5	Hypoxia Inducible Factor Activates the Transforming Growth Factor-Î±/Epidermal Growth Factor Receptor Growth Stimulatory Pathway in VHL-/- Renal Cell Carcinoma Cells. Journal of Biological Chemistry, 2003, 278, 44966-44974.	3.4	165
6	Nucleolar RNA polymerase II drives ribosome biogenesis. Nature, 2020, 585, 298-302.	27.8	135
7	DNA repair by Rad52 liquid droplets. Nature Communications, 2020, 11, 695.	12.8	103
8	Regulation of ubiquitin ligase dynamics by the nucleolus. Journal of Cell Biology, 2005, 170, 733-744.	5.2	79
9	Non-coding RNA in neural function, disease, and aging. Frontiers in Genetics, 2015, 6, 87.	2.3	78
10	Perinuclear tethers license telomeric DSBs for a broad kinesin- and NPC-dependent DNA repair process. Nature Communications, 2015, 6, 7742.	12.8	76
11	eEF1A Is a Novel Component of the Mammalian Nuclear Protein Export Machinery. Molecular Biology of the Cell, 2008, 19, 5296-5308.	2.1	72
12	Nuclear microtubule filaments mediate non-linear directional motion of chromatin and promote DNA repair. Nature Communications, 2018, 9, 2567.	12.8	72
13	Perinuclear Cohibin Complexes Maintain Replicative Life Span via Roles at Distinct Silent Chromatin Domains. Developmental Cell, 2011, 20, 867-879.	7.0	71
14	Ataxin-2: From RNA Control to Human Health and Disease. Genes, 2017, 8, 157.	2.4	65
15	Biomolecular condensates as arbiters of biochemical reactions inside the nucleus. Communications Biology, 2020, 3, 773.	4.4	59
16	Roles for Pbp1 and Caloric Restriction in Genome and Lifespan Maintenance via Suppression of RNA-DNA Hybrids. Developmental Cell, 2014, 30, 177-191.	7.0	57
17	Restriction of rRNA Synthesis by VHL Maintains Energy Equilibrium under Hypoxia. Cell Cycle, 2006, 5, 2401-2413.	2.6	43
18	R-loops highlight the nucleus in ALS. Nucleus, 2015, 6, 23-29.	2.2	43

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19	Regulation of Spo12 Phosphorylation and Its Essential Role in the FEAR Network. Current Biology, 2009, 19, 449-460.	3.9	39
20	RNF168 regulates R-loop resolution and genomic stability in BRCA1/2-deficient tumors. Journal of Clinical Investigation, 2021, 131, .	8.2	38
21	Identification of a Common Subnuclear Localization Signal. Molecular Biology of the Cell, 2007, 18, 3966-3977.	2.1	36
22	Oxygen Sensing by H+: Implications for HIF and Hypoxic Cell Memory. Cell Cycle, 2004, 3, 1025-1027.	2.6	30
23	Enforcement of a lifespanâ€sustaining distribution of Sir2 between telomeres, matingâ€type loci, and <scp>rDNA</scp> repeats by Rif1. Aging Cell, 2013, 12, 67-75.	6.7	29
24	Cohesin and related coiled-coil domain-containing complexes physically and functionally connect the dots across the genome. Cell Cycle, 2011, 10, 2669-2682.	2.6	27
25	The fine line between lifespan extension and shortening in response to caloric restriction. Nucleus, 2014, 5, 56-65.	2.2	27
26	Repetitive DNA loci and their modulation by the non-canonical nucleic acid structures R-loops and G-quadruplexes. Nucleus, 2017, 8, 162-181.	2.2	27
27	Intersection of calorie restriction and magnesium in the suppression of genome-destabilizing RNAâ€“DNA hybrids. Nucleic Acids Research, 2016, 44, 8870-8884.	14.5	25
28	Phase Separation as a Melting Pot for DNA Repeats. Trends in Genetics, 2019, 35, 589-600.	6.7	21
29	Interphase microtubules in nuclear organization and genome maintenance. Trends in Cell Biology, 2021, 31, 721-731.	7.9	20
30	Mobility and Repair of Damaged DNA: Random or Directed?. Trends in Cell Biology, 2020, 30, 144-156.	7.9	18
31	Cancer-Causing Mutations in a Novel Transcription-Dependent Nuclear Export Motif of VHL Abrogate Oxygen-Dependent Degradation of Hypoxia-Inducible Factor. Molecular and Cellular Biology, 2008, 28, 302-314.	2.3	16
32	Non-Coding RNA Molecules Connect Calorie Restriction and Lifespan. Journal of Molecular Biology, 2017, 429, 3196-3214.	4.2	15
33	Oxygen sensing by H+: implications for HIF and hypoxic cell memory. Cell Cycle, 2004, 3, 1027-9.	2.6	15
34	Roles for Non-coding RNAs in Spatial Genome Organization. Frontiers in Cell and Developmental Biology, 2019, 7, 336.	3.7	14
35	Defining the Damaged DNA Mobility Paradox as Revealed by the Study of Telomeres, DSBs, Microtubules and Motors. Frontiers in Genetics, 2018, 9, 95.	2.3	12
36	Integration of DNA damage responses with dynamic spatial genome organization. Trends in Genetics, 2022, 38, 290-304.	6.7	11

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37	Conserved Pbp1/Ataxin-2 regulates retrotransposon activity and connects polyglutamine expansion-driven protein aggregation to lifespan-controlling rDNA repeats. Communications Biology, 2018, 1, 187.	4.4	10
38	Effects of Perinuclear Chromosome Tethers in the Telomeric URA3/5FOA System Reflect Changes to Gene Silencing and not Nucleotide Metabolism. Frontiers in Genetics, 2012, 3, 144.	2.3	6
39	Catch the live show: Visualizing damaged DNA in vivo. Methods, 2018, 142, 24-29.	3.8	4
40	Repair by a molecular DNA ambulance. Oncotarget, 2015, 6, 19358-19359.	1.8	3
41	Editorial: Non-coding RNA Regulation: Lessons from Model Organisms and Impact on Human Health. Frontiers in Genetics, 2016, 7, 49.	2.3	2
42	Assays to Study Repair of Inducible DNA Double-Strand Breaks at Telomeres. Methods in Molecular Biology, 2018, 1672, 375-385.	0.9	2
43	RNA-cDNA hybrids mediate transposition via different mechanisms. Scientific Reports, 2020, 10, 16034.	3.3	1