Gerald G Schumann

List of Publications by Year
in descending order

25 papers	2,078 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	3052 citing authors

#	Article	IF	Citations
1	Primate-specific endogenous retrovirus-driven transcription defines naive-like stem cells. Nature, 2014, 516, 405-409.	27.8	372
2	APOBEC3 Proteins Inhibit Human LINE-1 Retrotransposition. Journal of Biological Chemistry, 2006, 281, 22161-22172.	3.4	322
3	Gibbon genome and the fast karyotype evolution of small apes. Nature, 2014, 513, 195-201.	27.8	320
4	The non-autonomous retrotransposon SVA is trans -mobilized by the human LINE-1 protein machinery. Nucleic Acids Research, 2012, 40, 1666-1683.	14.5	194
5	Cell Type-specific Expression of LINE-1 Open Reading Frames 1 and 2 in Fetal and Adult Human Tissues. Journal of Biological Chemistry, 2004, 279, 27753-27763.	3.4	163
6	Reprogramming triggers endogenous L1 and Alu retrotransposition in human induced pluripotent stem cells. Nature Communications, 2016, 7, 10286.	12.8	113
7	5′-Transducing SVA retrotransposon groups spread efficiently throughout the human genome. Genome Research, 2009, 19, 1992-2008.	5.5	105
8	Human LINE-1 restriction by APOBEC3C is deaminase independent and mediated by an ORF1p interaction that affects LINE reverse transcriptase activity. Nucleic Acids Research, 2014, 42, 396-416.	14.5	94
9	Unique Functions of Repetitive Transcriptomes. International Review of Cell and Molecular Biology, 2010, 285, 115-188.	3.2	66
10	Functional endogenous LINE-1 retrotransposons are expressed and mobilized in rat chloroleukemia cells. Nucleic Acids Research, 2008, 36, 648-665.	14.5	44
11	Cytoplasmic synthesis of endogenous *Alu* complementary DNA via reverse transcription and implications in age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
12	Enhanced expression of LINE-1-encoded ORF2 protein in early stages of colon and prostate transformation. Oncotarget, 2016, 7, 4048-4061.	1.8	32
13	Endogenous LINE-1 (Long Interspersed Nuclear Element-1) Reverse Transcriptase Activity in Platelets Controls Translational Events Through RNA–DNA Hybrids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 801-815.	2.4	29
14	Retrotransposons in the development and progression of amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 284-293.	1.9	29
15	APOBEC4 Enhances the Replication of HIV-1. PLoS ONE, 2016, 11, e0155422.	2.5	27
16	Evolutionary Histories of Transposable Elements in the Genome of the Largest Living Marsupial Carnivore, the Tasmanian Devil. Molecular Biology and Evolution, 2015, 32, 1268-1283.	8.9	24
17	*Alu* complementary DNA is enriched in atrophic macular degeneration and triggers retinal pigmented epithelium toxicity via cytosolic innate immunity. Science Advances, 2021, 7, eabj3658.	10.3	23
18	The Flow of the Gibbon LAVA Element Is Facilitated by the LINE-1 Retrotransposition Machinery. Genome Biology and Evolution, 2016, 8, 3209-3225.	2.5	18

#	Article	IF	Citations
19	The impact of transposable element activity on therapeutically relevant human stem cells. Mobile DNA, 2019, 10, 9.	3.6	18
20	APOBEC3B Activity Is Prevalent in Urothelial Carcinoma Cells and Only Slightly Affected by LINE-1 Expression. Frontiers in Microbiology, 2018, 9, 2088.	3.5	12
21	Hepatitis C virus infection restricts human LINE-1 retrotransposition in hepatoma cells. PLoS Pathogens, 2021, 17, e1009496.	4.7	12
22	Loop 1 of APOBEC3C Regulates its Antiviral Activity against HIV-1. Journal of Molecular Biology, 2020, 432, 6200-6227.	4.2	11
23	Frequency and methylation status of selected retrotransposition competent L1 loci in amyotrophic lateral sclerosis. Molecular Brain, 2020, 13, 154.	2.6	7
24	CD30 Receptor-Targeted Lentiviral Vectors for Human Induced Pluripotent Stem Cell-Specific Gene Modification. Stem Cells and Development, 2016, 25, 729-739.	2.1	3
25	The Engineered SVA Trans-mobilization Assay. Methods in Molecular Biology, 2016, 1400, 203-222.	0.9	2