

Edward J Rebar

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

13,020
citations

201385

27
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

12231
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome editing with engineered zinc finger nucleases. <i>Nature Reviews Genetics</i> , 2010, 11, 636-646.	7.7	1,863
2	A TALE nuclease architecture for efficient genome editing. <i>Nature Biotechnology</i> , 2011, 29, 143-148.	9.4	1,855
3	Efficient targeting of expressed and silent genes in human ESCs and iPSCs using zinc-finger nucleases. <i>Nature Biotechnology</i> , 2009, 27, 851-857.	9.4	990
4	An improved zinc-finger nuclease architecture for highly specific genome editing. <i>Nature Biotechnology</i> , 2007, 25, 778-785.	9.4	967
5	Establishment of HIV-1 resistance in CD4+ T cells by genome editing using zinc-finger nucleases. <i>Nature Biotechnology</i> , 2008, 26, 808-816.	9.4	916
6	Precise genome modification in the crop species <i>Zea mays</i> using zinc-finger nucleases. <i>Nature</i> , 2009, 459, 437-441.	13.7	862
7	Heritable targeted gene disruption in zebrafish using designed zinc-finger nucleases. <i>Nature Biotechnology</i> , 2008, 26, 702-708.	9.4	842
8	Generation of Isogenic Pluripotent Stem Cells Differing Exclusively at Two Early Onset Parkinson Point Mutations. <i>Cell</i> , 2011, 146, 318-331.	13.5	703
9	Targeted Genome Editing Across Species Using ZFNs and TALENs. <i>Science</i> , 2011, 333, 307-307.	6.0	556
10	In vivo genome editing restores haemostasis in a mouse model of haemophilia. <i>Nature</i> , 2011, 475, 217-221.	13.7	523
11	Zinc finger phage: affinity selection of fingers with new DNA-binding specificities. <i>Science</i> , 1994, 263, 671-673.	6.0	456
12	A foundation for universal T-cell based immunotherapy: T cells engineered to express a CD19-specific chimeric-antigen-receptor and eliminate expression of endogenous TCR. <i>Blood</i> , 2012, 119, 5697-5705.	0.6	437
13	PPARgamma knockdown by engineered transcription factors: exogenous PPARgamma 2 but not PPARgamma 1 reactivates adipogenesis. <i>Genes and Development</i> , 2002, 16, 27-32.	2.7	315
14	In vivo genome editing of the albumin locus as a platform for protein replacement therapy. <i>Blood</i> , 2015, 126, 1777-1784.	0.6	256
15	Induction of angiogenesis in a mouse model using engineered transcription factors. <i>Nature Medicine</i> , 2002, 8, 1427-1432.	15.2	241
16	Regulation of an Endogenous Locus Using a Panel of Designed Zinc Finger Proteins Targeted to Accessible Chromatin Regions. <i>Journal of Biological Chemistry</i> , 2001, 276, 11323-11334.	1.6	216
17	Genome editing in mitochondria corrects a pathogenic mtDNA mutation in vivo. <i>Nature Medicine</i> , 2018, 24, 1691-1695.	15.2	215
18	Long-Term Engraftment and Fetal Globin Induction upon BCL11A Gene Editing in Bone-Marrow-Derived CD34 + Hematopoietic Stem and Progenitor Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 4, 137-148.	1.8	131

#	ARTICLE	IF	CITATIONS
19	Functional footprinting of regulatory DNA. <i>Nature Methods</i> , 2015, 12, 927-930.	9.0	123
20	Improved specificity of TALE-based genome editing using an expanded RVD repertoire. <i>Nature Methods</i> , 2015, 12, 465-471.	9.0	91
21	Clinical Scale Zinc Finger Nuclease-mediated Gene Editing of PD-1 in Tumor Infiltrating Lymphocytes for the Treatment of Metastatic Melanoma. <i>Molecular Therapy</i> , 2015, 23, 1380-1390.	3.7	88
22	Diversifying the structure of zinc finger nucleases for high-precision genome editing. <i>Nature Communications</i> , 2019, 10, 1133.	5.8	79
23	Repression of vascular endothelial growth factor A in glioblastoma cells using engineered zinc finger transcription factors. <i>Cancer Research</i> , 2003, 63, 8968-76.	0.4	60
24	[8] Phage display methods for selecting zinc finger proteins with novel DNA-binding specificities. <i>Methods in Enzymology</i> , 1996, 267, 129-149.	0.4	51
25	Gene Correction of iPSCs from a Wiskott-Aldrich Syndrome Patient Normalizes the Lymphoid Developmental and Functional Defects. <i>Stem Cell Reports</i> , 2016, 7, 139-148.	2.3	43
26	Enhancing gene editing specificity by attenuating DNA cleavage kinetics. <i>Nature Biotechnology</i> , 2019, 37, 945-952.	9.4	39
27	Genetic editing of HLA expression in hematopoietic stem cells to broaden their human application. <i>Scientific Reports</i> , 2016, 6, 21757.	1.6	33
28	Activation of Vascular Endothelial Growth Factor A Transcription in Tumorigenic Glioblastoma Cell Lines by an Enhancer with Cell Type-specific DNase I Accessibility. <i>Journal of Biological Chemistry</i> , 2002, 277, 20087-20094.	1.6	27
29	Development of pro-angiogenic engineered transcription factors for the treatment of cardiovascular disease. <i>Expert Opinion on Investigational Drugs</i> , 2004, 13, 829-839.	1.9	23
30	Multi-reporter selection for the design of active and more specific zinc-finger nucleases for genome editing. <i>Nature Communications</i> , 2016, 7, 10194.	5.8	15
31	Novel Approaches to Controlling Transcription. , 2002, 24, 137-178.		4