karim Benabdellah

List of Publications by Year
in descending order

48 papers	1,630 citations	304602 22 h-index	302012 39 g-index
51 all docs	51 docs citations	51 times ranked	2251 citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological lentiviral vectors for the generation of improved CAR-T cells. Molecular Therapy - Oncolytics, 2022, 25, 335-349.	2.0	4
2	Baboon Envelope Pseudotyped â€œNanobladesâ€•Carrying Cas9/gRNA Complexes Allow Efficient Genome Editing in Human T, B, and CD34+ Cells and Knock-in of AAV6-Encoded Donor DNA in CD34+ Cells. Frontiers in Genome Editing, 2021, 3, 604371.	2.7	25
3	Improved Functionality of Integration-Deficient Lentiviral Vectors (IDLVs) by the Inclusion of IS2 Protein Docks. Pharmaceutics, 2021, 13, 1217.	2.0	3
4	Exosomes: Their Role in Pathogenesis, Diagnosis and Treatment of Diseases. Cancers, 2021, 13, 84.	1.7	36
5	Exosome: A New Player in Translational Nanomedicine. Journal of Clinical Medicine, 2020, 9, 2380.	1.0	47
6	Externally-Controlled Systems for Immunotherapy: From Bench to Bedside. Frontiers in Immunology, 2020, 11, 2044.	2.2	18
7	Using Gene Editing Approaches to Fine-Tune the Immune System. Frontiers in Immunology, 2020, 11, 570672.	2.2	13
8	Development of Cellular Models to Study Efficiency and Safety of Gene Edition by Homologous Directed Recombination Using the CRISPR/Cas9 System. Cells, 2020, 9, 1492.	1.8	1
9	Genomeâ€edited adult stem cells: Nextâ€generation advanced therapy medicinal products. Stem Cells Translational Medicine, 2020, 9, 674-685.	1.6	12
10	The Rhizophagus irregularis Genome Encodes Two CTR Copper Transporters That Mediate Cu Import Into the Cytosol and a CTR-Like Protein Likely Involved in Copper Tolerance. Frontiers in Plant Science, 2019, 10, 604.	1.7	17
11	Stable Genetic Modification of Mesenchymal Stromal Cells Using Lentiviral Vectors. Methods in Molecular Biology, 2019, 1937, 267-280.	0.4	11
12	Comparison of Zinc Finger Nucleases Versus CRISPR-Specific Nucleases for Genome Editing of the Wiskott-Aldrich Syndrome Locus. Human Gene Therapy, 2018, 29, 366-380.	1.4	33
13	The IS2 Element Improves Transcription Efficiency of Integration-Deficient Lentiviral Vector Episomes. Molecular Therapy - Nucleic Acids, 2018, 13, 16-28.	2.3	8
14	Gene therapy with mesenchymal stem cells expressing IFNâ€ÃŸ ameliorates neuroinflammation in experimental models of multiple sclerosis. British Journal of Pharmacology, 2017, 174, 238-253.	2.7	34
15	Gene Delivery Technologies for Efficient Genome Editing: Applications in Gene Therapy. , 2016, , .		0
16	Biased and Unbiased Methods for the Detection of Off-Target Cleavage by CRISPR/Cas9: An Overview. International Journal of Molecular Sciences, 2016, 17, 1507.	1.8	74
17	Characterization of Three New Glutaredoxin Genes in the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis: Putative Role of RiGRX4 and RiGRX5 in Iron Homeostasis. PLoS ONE, 2016, 11, e0149606.	1.1	9
18	Lent-On-Plus Lentiviral vectors for conditional expression in human stem cells. Scientific Reports, 2016, 6, 37289.	1.6	16

#	ARTICLE	IF	CITATIONS
19	Genome editing: An alternative to retroviral vectors for Wiskott-Aldrich Syndrome (WAS) Gene Therapy?. Expert Opinion on Orphan Drugs, 2016, 4, 281-289.	0.5	1
20	Absence of WASp Enhances Hematopoietic and Megakaryocytic Differentiation in a Human Embryonic Stem Cell Model. Molecular Therapy, 2016, 24, 342-353.	3.7	8
21	Gene Therapy Corrects Mitochondrial Dysfunction in Hematopoietic Progenitor Cells and Fibroblasts from Coq9R239X Mice. PLoS ONE, 2016, 11, e0158344.	1.1	2
22	Mesenchymal Stromal Cells Express GARP/LRRC32 on Their Surface: Effects on Their Biology and Immunomodulatory Capacity. Stem Cells, 2015, 33, 183-195.	1.4	51
23	A Chimeric HS4-SAR Insulator (IS2) That Prevents Silencing and Enhances Expression of Lentiviral Vectors in Pluripotent Stem Cells. PLoS ONE, 2014, 9, e84268.	1.1	33
24	Characterization of Ad-MSC genetically modified to produce IFNbeta. Effectiveness in RR-EAE model. Journal of Neuroimmunology, 2014, 275, 194.	1.1	0
25	Use of zinc-finger nucleases to knock out theWASgene in K562 cells: a human cellular model for Wiskott-Aldrich syndrome. DMM Disease Models and Mechanisms, 2013, 6, 544-54.	1.2	16
26	Mesenchymal Stem Cells Expressing Vasoactive Intestinal Peptide Ameliorate Symptoms in a Model of Chronic Multiple Sclerosis. Cell Transplantation, 2013, 22, 839-854.	1.2	42
27	Specific Marking of hESCs-Derived Hematopoietic Lineage by WAS-Promoter Driven Lentiviral Vectors. PLoS ONE, 2012, 7, e39091.	1.1	13
28	The transcriptome of the arbuscular mycorrhizal fungus Glomus intraradices (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. New Phytologist, 2012, 193, 755-769.	3.5	305
29	Horizontal gene transfer confers fermentative metabolism in the respiratory-deficient plant trypanosomatid Phytomonas serpens. Infection, Genetics and Evolution, 2012, 12, 539-548.	1.0	5
30	Influence of two bacterial isolates from degraded and non-degraded soils and arbuscular mycorrhizae fungi isolated from semi-arid zone on the growth of Trifolium repens under drought conditions: Mechanisms related to bacterial effectiveness. European Journal of Soil Biology, 2011, 47, 303-309.	1.4	48
31	New Vectors for Stable and Safe Gene Modification. , 2011, , .		1
32	Development of an All-in-One Lentiviral Vector System Based on the Original TetR for the Easy Generation of Tet-ON Cell Lines. PLoS ONE, 2011, 6, e23734.	1.1	37
33	Physiological and tissue-specific vectors for treatment of inherited diseases. Gene Therapy, 2011, 18, 117-127.	2.3	47
34	Characterization of a CuZn superoxide dismutase gene in the arbuscular mycorrhizal fungus Glomus intraradices. Current Genetics, 2010, 56, 265-274.	0.8	73
35	GintABC1 encodes a putative ABC transporter of the MRP subfamily induced by Cu, Cd, and oxidative stress in Glomus intraradices. Mycorrhiza, 2010, 20, 137-146.	1.3	76
36	WascDNA Sequences Modulate Transgene Expression ofWasPromoter-Driven Lentiviral Vectors. Human Gene Therapy, 2009, 20, 1279-1290.	1.4	4

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37	Survival strategies of arbuscular mycorrhizal fungi in Cu-polluted environments. Phytochemistry Reviews, 2009, 8, 551-559.	3.1	89
38	Hydrogen peroxide effects on root hydraulic properties and plasma membrane aquaporin regulation in Phaseolus vulgaris. Plant Molecular Biology, 2009, 70, 647-661.	2.0	68
39	GintPDX1 encodes a protein involved in vitamin B6 biosynthesis that is upâ€regulated by oxidative stress in the arbuscular mycorrhizal fungus Glomus intraradices. New Phytologist, 2009, 184, 682-693.	3.5	53
40	GintGRX1, the first characterized glomeromycotan glutaredoxin, is a multifunctional enzyme that responds to oxidative stress. Fungal Genetics and Biology, 2009, 46, 94-103.	0.9	72
41	Mechanisms Underlying Heavy Metal Tolerance in Arbuscular Mycorrhizas. , 2009, , 107-122.		37
42	In vivo delivery of lentiviral vectors expressing vasoactive intestinal peptide complementary DNA as gene therapy for collagenâ€induced arthritis. Arthritis and Rheumatism, 2008, 58, 1026-1037.	6.7	53
43	Hematopoietic-Specific Lentiviral Vectors Circumvent Cellular Toxicity Due to Ectopic Expression of Wiskott-Aldrich Syndrome Protein. Human Gene Therapy, 2008, 19, 179-198.	1.4	32
44	Alternative transâ€splicing of the Trypanosoma cruzi LYT1 gene transcript results in compartmental and functional switch for the encoded protein. Molecular Microbiology, 2007, 65, 1559-1567.	1.2	30
45	Expressed sequence tags from the plant trypanosomatid Phytomonas serpens. Molecular and Biochemical Parasitology, 2005, 142, 149-157.	0.5	18
46	Alterations in the plasma membrane polypeptide pattern of tomato roots (Lycopersicon esculentum) during the development of arbuscular mycorrhiza. Journal of Experimental Botany, 2000, 51, 747-754.	2.4	23
47	Soluble and membrane symbiosis-related polypeptides associated with the development of arbuscular mycorrhizas in tomato (Lycopersicon esculentum). New Phytologist, 1998, 140, 135-143.	3.5	26
48	Gene Therapy for Primary Immunodeficiencies. , 0, , .		0