

# Michael S D Kormann

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,331  
citations

361413

20  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of therapeutic proteins after delivery of chemically modified mRNA in mice. <i>Nature Biotechnology</i> , 2011, 29, 154-157.	17.5	622
2	Uridine Depletion and Chemical Modification Increase Cas9 mRNA Activity and Reduce Immunogenicity without HPLC Purification. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 530-542.	5.1	178
3	Human pluripotent stem cell-derived acinar/ductal organoids generate human pancreas upon orthotopic transplantation and allow disease modelling. <i>Gut</i> , 2017, 66, 473-486.	12.1	174
4	Current prospects for mRNA gene delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 484-489.	4.3	169
5	Toll-like receptor heterodimer variants protect from childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 86-92.e8.	2.9	132
6	G-Protein-coupled Receptor Polymorphisms Are Associated with Asthma in a Large German Population. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 1358-1362.	5.6	116
7	In vivo genome editing using nuclease-encoding mRNA corrects SP-B deficiency. <i>Nature Biotechnology</i> , 2015, 33, 584-586.	17.5	113
8	Modified Foxp3 mRNA protects against asthma through an IL-10-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2013, 123, 1216-1228.	8.2	102
9	Chemically modified RNA activated matrices enhance bone regeneration. <i>Journal of Controlled Release</i> , 2015, 218, 22-28.	9.9	91
10	TLR Expression on Neutrophils at the Pulmonary Site of Infection: TLR1/TLR2-Mediated Up-Regulation of TLR5 Expression in Cystic Fibrosis Lung Disease. <i>Journal of Immunology</i> , 2008, 181, 2753-2763.	0.8	86
11	Airway Mucus Obstruction Triggers Macrophage Activation and Matrix Metalloproteinase 12-Dependent Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 709-720.	2.9	76
12	A Comparative Study of the Bone Regenerative Effect of Chemically Modified RNA Encoding BMP-2 or BMP-9. <i>AAPS Journal</i> , 2017, 19, 438-446.	4.4	64
13	Recent Developments in mRNA-Based Protein Supplementation Therapy to Target Lung Diseases. <i>Molecular Therapy</i> , 2019, 27, 803-823.	8.2	60
14	Chemically modified hCFTR mRNAs recuperate lung function in a mouse model of cystic fibrosis. <i>Scientific Reports</i> , 2018, 8, 16776.	3.3	59
15	Gene correction of HBB mutations in CD34+ hematopoietic stem cells using Cas9 mRNA and ssODN donors. <i>Molecular and Cellular Pediatrics</i> , 2018, 5, 9.	1.8	49
16	Neutrophils Express Distinct RNA Receptors in a Non-canonical Way. <i>Journal of Biological Chemistry</i> , 2012, 287, 19409-19417.	3.4	47
17	Comparative targeting analysis of KLF1, BCL11A, and HBG1/2 in CD34+ HSPCs by CRISPR/Cas9 for the induction of fetal hemoglobin. <i>Scientific Reports</i> , 2020, 10, 10133.	3.3	38
18	A bioactive collagen membrane that enhances bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1824-1832.	3.4	29

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19	<i>CXCR1</i> and <i>CXCR2</i> haplotypes synergistically modulate cystic fibrosis lung disease. <i>European Respiratory Journal</i> , 2012, 39, 1385-1390.	6.7	27
20	Transcriptomic profile of cystic fibrosis patients identifies type I interferon response and ribosomal stalk proteins as potential modifiers of disease severity. <i>PLoS ONE</i> , 2017, 12, e0183526.	2.5	23
21	mRNA-Mediated Gene Supplementation of Toll-Like Receptors as Treatment Strategy for Asthma In Vivo. <i>PLoS ONE</i> , 2016, 11, e0154001.	2.5	20
22	Modified mRNA as a new therapeutic option for pediatric respiratory diseases and hemoglobinopathies. <i>Molecular and Cellular Pediatrics</i> , 2015, 2, 11.	1.8	19
23	CRISPR/Cas9 system: A promising technology for the treatment of inherited and neoplastic hematological diseases. <i>Advances in Cell and Gene Therapy</i> , 2018, 1, e10.	0.9	13
24	Inhibition of Suicidal Erythrocyte Death by Volasertib. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 1472-1486.	1.6	10
25	The oral and craniofacial relevance of chemically modified RNA therapeutics. <i>Discovery Medicine</i> , 2016, 21, 35-9.	0.5	6
26	RNA ImmunoGenic Assay: Simple method for detecting immunogenicity of in vitro transcribed mRNA. <i>Advances in Cell and Gene Therapy</i> , 2020, 3, e79.	0.9	2
27	RNA ImmunoGenic Assay: A Method to Detect Immunogenicity of in vitro Transcribed mRNA in Human Whole Blood. <i>Bio-protocol</i> , 2020, 10, e3850.	0.4	2