Mario Mietzsch

List of Publications by Year
in descending order

48 papers	1,888 citations	346980 22 h-index	312153 41 g-index
50 all docs	50 docs citations	50 times ranked	2300 citing authors

#	Article	IF	Citations
1	Structural characterization of an envelope-associated adeno-associated virus type 2 capsid. Virology, 2022, 565, 22-28.	1.1	4
2	Structurally Mapping Antigenic Epitopes of Adeno-associated Virus 9: Development of Antibody Escape Variants. Journal of Virology, 2022, 96, JVI0125121.	1.5	11
3	Characterization of the Serpentine Adeno-Associated Virus (SAAV) Capsid Structure: Receptor Interactions and Antigenicity. Journal of Virology, 2022, 96, e0033522.	1.5	5
4	Parvovirus Capsid-Antibody Complex Structures Reveal Conservation of Antigenic Epitopes Across the Family. Viral Immunology, 2021, 34, 3-17.	0.6	19
5	Completion of the AAV Structural Atlas: Serotype Capsid Structures Reveals Clade-Specific Features. Viruses, 2021, 13, 101.	1.5	46
6	Characterization of the GBoV1 Capsid and Its Antibody Interactions. Viruses, 2021, 13, 330.	1.5	6
7	Adeno-associated Virus (AAV) Capsid Chimeras with Enhanced Infectivity Reveal a Core Element in the AAV Genome Critical for both Cell Transduction and Capsid Assembly. Journal of Virology, 2021, 95, .	1.5	9
8	pH-Induced Conformational Changes of Human Bocavirus Capsids. Journal of Virology, 2021, 95, .	1.5	4
9	Structural Study of Aavrh.10 Receptor and Antibody Interactions. Journal of Virology, 2021, 95, e0124921.	1.5	8
10	Improved Genome Packaging Efficiency of Adeno-associated Virus Vectors Using Rep Hybrids. Journal of Virology, 2021, 95, e0077321.	1.5	11
11	Comparative structural, biophysical, and receptor binding study of true type and wild type AAV2. Journal of Structural Biology, 2021, 213, 107795.	1.3	3
12	Comparative Analysis of the Capsid Structures of AAVrh.10, AAVrh.39, and AAV8. Journal of Virology, 2020, 94, .	1.5	38
13	Coevolution of Adeno-associated Virus Capsid Antigenicity and Tropism through a Structure-Guided Approach. Journal of Virology, 2020, 94, .	1.5	38
14	Characterization of AAV-Specific Affinity Ligands: Consequences for Vector Purification and Development Strategies. Molecular Therapy - Methods and Clinical Development, 2020, 19, 362-373.	1.8	29
15	Impact of Natural or Synthetic Singletons in the Capsid of Human Bocavirus 1 on Particle Infectivity and Immunoreactivity. Journal of Virology, 2020, 94, .	1.5	10
16	Structural characterization of a bat Adeno-associated virus capsid. Journal of Structural Biology, 2020, 211, 107547.	1.3	10
17	Structural Characterization of Cuta- and Tusavirus: Insight into Protoparvoviruses Capsid Morphology. Viruses, 2020, 12, 653.	1.5	9
18	Adeno-Associated Virus (AAV) Capsid Stability and Liposome Remodeling During Endo/Lysosomal pH Trafficking. Viruses, 2020, 12, 668.	1.5	32

#	Article	IF	Citations
19	Enhanced Transduction of Human Hematopoietic Stem Cells by AAV6 Vectors: Implications in Gene Therapy and Genome Editing. Molecular Therapy - Nucleic Acids, 2020, 20, 451-458.	2.3	17
20	Twenty-Five Years of Structural Parvovirology. Viruses, 2019, 11, 362.	1.5	122
21	Dynorphinâ€based â€œrelease on demandâ€•gene therapy for drugâ€resistant temporal lobe epilepsy. EMBO Molecular Medicine, 2019, 11, e9963.	3.3	29
22	High-Resolution Structural Characterization of a New Adeno-associated Virus Serotype 5 Antibody Epitope toward Engineering Antibody-Resistant Recombinant Gene Delivery Vectors. Journal of Virology, 2019, 93, .	1.5	37
23	ICTV Virus Taxonomy Profile: Parvoviridae. Journal of General Virology, 2019, 100, 367-368.	1.3	312
24	CART neurons in the arcuate nucleus and lateral hypothalamic area exert differential controls on energy homeostasis. Molecular Metabolism, 2018, 7, 102-118.	3.0	39
25	Structural Characterization of Emerging Pathogenic Human Parvoviruses. Microscopy and Microanalysis, 2018, 24, 1214-1215.	0.2	2
26	Atomic Resolution Structures of Human Bufaviruses Determined by Cryo-Electron Microscopy. Viruses, 2018, 10, 22.	1.5	20
27	Sub-2â€‰Ã... Ewald curvature corrected structure of an AAV2 capsid variant. Nature Communications, 2018, 9, 3628.	5.8	73
28	Atomic structure of a rationally engineered gene delivery vector, AAV2.5. Journal of Structural Biology, 2018, 203, 236-241.	1.3	24
29	OneBac 2.0:Sf9 Cell Lines for Production of AAV1, AAV2, and AAV8 Vectors with Minimal Encapsidation of Foreign DNA. Human Gene Therapy Methods, 2017, 28, 15-22.	2.1	24
30	Automated Glycan Assembly of Oligo-N-Acetyllactosamine and Keratan Sulfate Probes to Study Virus-Glycan Interactions. CheM, 2017, 2, 114-124.	5.8	54
31	Understanding capsid assembly and genome packaging for adeno-associated viruses. Future Virology, 2017, 12, 283-297.	0.9	25
32	Structural Insights into Human Bocaparvoviruses. Journal of Virology, 2017, 91, .	1.5	37
33	The Good That Viruses Do. Annual Review of Virology, 2017, 4, iii-v.	3.0	17
34	Thermal Stability as a Determinant of AAV Serotype Identity. Molecular Therapy - Methods and Clinical Development, 2017, 6, 171-182.	1.8	95
35	Direct Head-to-Head Evaluation of Recombinant Adeno-associated Viral Vectors Manufactured in Human versus Insect Cells. Molecular Therapy, 2017, 25, 2661-2675.	3.7	59
36	A Comprehensive RNA Sequencing Analysis of the Adeno-Associated Virus (AAV) Type 2 Transcriptome Reveals Novel AAV Transcripts, Splice Variants, and Derived Proteins. Journal of Virology, 2016, 90, 1278-1289.	1.5	28

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37	Comprehensive Small RNA-Seq of Adeno-Associated Virus (AAV)-Infected Human Cells Detects Patterns of Novel, Non-Coding AAV RNAs in the Absence of Cellular miRNA Regulation. PLoS ONE, 2016, 11, e0161454.	1.1	9
38	OneBac 2.0:Sf9 Cell Lines for Production of AAV5 Vectors with Enhanced Infectivity and Minimal Encapsidation of Foreign DNA. Human Gene Therapy, 2015, 26, 688-697.	1.4	48
39	NPY Y2 receptors in the central amygdala reduce cued but not contextual fear. Neuropharmacology, 2015, 99, 665-674.	2.0	24
40	Differential Adeno-Associated Virus Serotype-Specific Interaction Patterns with Synthetic Heparins and Other Glycans. Journal of Virology, 2014, 88, 2991-3003.	1.5	102
41	OneBac: Platform for Scalable and High-Titer Production of Adeno-Associated Virus Serotype 1â€“12 Vectors for Gene Therapy. Human Gene Therapy, 2014, 25, 212-222.	1.4	117
42	A simplified purification protocol for recombinant adeno-associated virus vectors. Molecular Therapy - Methods and Clinical Development, 2014, 1, 14034.	1.8	56
43	Arcuate NPY Controls Sympathetic Output and BAT Function via a Relay of Tyrosine Hydroxylase Neurons in the PVN. Cell Metabolism, 2013, 17, 236-248.	7.2	213
44	Arcuate NPY Controls Sympathetic Output and BAT Function via a Relay of Tyrosine Hydroxylase Neurons in the PVN. Cell Metabolism, 2013, 18, 144.	7.2	0
45	DNA-Binding Activity of Adeno-Associated Virus Rep Is Required for Inverted Terminal Repeat-Dependent Complex Formation with Herpes Simplex Virus ICP8. Journal of Virology, 2012, 86, 2859-2863.	1.5	8
46	Neuropeptide Y modulates fear and fear extinction in distinct nuclei of the amygdala. BMC Pharmacology & Toxicology, 2012, 13, .	1.0	0
47	Neuropeptide Y Y2 receptors modulate trace fear conditioning and spatial memory in the dorsal hippocampus. BMC Pharmacology, 2011, 11, .	0.4	0
48	Reduced fear conditioning after viral vector mediated neuropeptide Y administration into the basolateral amygdala. BMC Pharmacology, 2011, 11, A3.	0.4	1