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List of Publications by Year
in descending order

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64 papers	2,006 citations	201674 27 h-index	254184 43 g-index
70 all docs	70 docs citations	70 times ranked	1470 citing authors

#	Article	IF	Citations
1	Avian reovirus: Structure and biology. Virus Research, 2007, 123, 105-119.	2.2	196
2	The Avian Reovirus Genome Segment S1 Is a Functionally Tricistronic Gene That Expresses One Structural and Two Nonstructural Proteins in Infected Cells. Virology, 2001, 290, 181-191.	2.4	105
3	Protein architecture of avian reovirus S1133 and identification of the cell attachment protein. Journal of Virology, 1997, 71, 59-64.	3.4	96
4	A Light-Modulated Sequence-Specific DNA-Binding Peptide. Angewandte Chemie - International Edition, 2000, 39, 3104-3107.	13.8	95
5	Avian reovirus nonstructural protein Î¼NS forms viroplasm-like inclusions and recruits protein ÏƒNS to these structures. Virology, 2004, 319, 94-106.	2.4	80
6	In Situ Functionalized Polymers for siRNA Delivery. Angewandte Chemie - International Edition, 2016, 55, 7492-7495.	13.8	73
7	Avian Reovirus Morphogenesis Occurs Within Viral Factories and Begins with the Selective Recruitment of ÏƒNS and Î»A to Î¼NS Inclusions. Journal of Molecular Biology, 2004, 341, 361-374.	4.2	60
8	Modification of Late Membrane Permeability in Avian Reovirus-infected Cells. Journal of Biological Chemistry, 2002, 277, 17789-17796.	3.4	59
9	Evidence that avian reovirus ÏƒA protein is an inhibitor of the double-stranded RNA-dependent protein kinase. Journal of General Virology, 2003, 84, 1629-1639.	2.9	59
10	Possible Involvement of the Double-Stranded RNA-Binding Core Protein Ï,A in the Resistance of Avian Reovirus to Interferon. Journal of Virology, 2000, 74, 1124-1131.	3.4	58
11	Structure of the Carboxy-terminal Receptor-binding Domain of Avian Reovirus Fibre SigmaC. Journal of Molecular Biology, 2005, 354, 137-149.	4.2	56
12	Design and Synthesis of a Peptide That Binds Specific DNA Sequences through Simultaneous Interaction in the Major and in the Minor Groove. Angewandte Chemie - International Edition, 2001, 40, 4723-4725.	13.8	54
13	The Second Open Reading Frame of the Avian Reovirus S1 Gene Encodes a Transcription-Dependent and CRM1-Independent Nucleocytoplasmic Shuttling Protein. Journal of Virology, 2005, 79, 2141-2150.	3.4	51
14	Intracellular posttranslational modifications of S1133 avian reovirus proteins. Journal of Virology, 1996, 70, 2974-2981.	3.4	48
15	Bis-4-aminobenzamidines: Versatile, Fluorogenic A/T-Selective dsDNA Binders. Organic Letters, 2010, 12, 216-219.	4.6	46
16	Endogenous Enzymatic Activities of the Avian Reovirus S1133: Identification of the Viral Capping Enzyme. Virology, 1995, 206, 1017-1026.	2.4	40
17	Guanylyltransferase and RNA 5â€²-triphosphatase activities of the purified expressed VP4 protein of bluetongue virus 1 1Edited by J. Karn. Journal of Molecular Biology, 1998, 280, 859-866.	4.2	40
18	Avian Reovirus Î¼NS Protein Forms Homo-Oligomeric Inclusions in a Microtubule-Independent Fashion, Which Involves Specific Regions of Its C-Terminal Domain. Journal of Virology, 2010, 84, 4289-4301.	3.4	40

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19	Straightforward access to bisbenzamidine DNA binders and their use as versatile adaptors for DNA-promoted processes. Chemical Science, 2012, 3, 2383.	7.4	37
20	Cloning, Expression, and Characterization of Avian Reovirus Guanylyltransferase. Virology, 2002, 296, 288-299.	2.4	36
21	A Synthetic Miniprotein that Binds Specific DNA Sequences by Contacting Both the Major and the Minor Groove. Chemistry and Biology, 2003, 10, 713-722.	6.0	32
22	Avian Reovirus SigmaA Localizes to the Nucleolus and Enters the Nucleus by a Nonclassical Energy- and Carrier-Independent Pathway. Journal of Virology, 2009, 83, 10163-10175.	3.4	32
23	High Affinity, Sequence Specific DNA Binding by Synthetic Tripyrrole-Peptide Conjugates. Chemistry - A European Journal, 2005, 11, 4171-4178.	3.3	31
24	Programmed stereoselective assembly of DNA-binding helical metallopeptides. Chemical Communications, 2014, 50, 11097-11100.	4.1	30
25	Dynamic Stereoselection of Peptide Helicates and Their Selective Labeling of DNA Replication Foci in Cells**. Angewandte Chemie - International Edition, 2021, 60, 8859-8866.	13.8	29
26	Efficient DNA Binding and Nuclear Uptake by Distamycin Derivatives Conjugated to Octaâ€arginine Sequences. ChemBioChem, 2008, 9, 2822-2829.	2.6	28
27	Tuning the Size of Nanoassembles: A Hierarchical Transfer of Information from Dendrimers to Polyion Complexes. Angewandte Chemie - International Edition, 2018, 57, 5273-5277.	13.8	28
28	VP2, VP7, and NS1 proteins of bluetongue virus targeted in avian reovirus muNS-Mi microspheres elicit a protective immune response in IFNAR(â^’/â^’) mice. Antiviral Research, 2014, 110, 42-51.	4.1	27
29	Characterization of the nucleic acid-binding activity of the avian reovirus non-structural protein ÏƒNS. Journal of General Virology, 2005, 86, 1159-1169.	2.9	24
30	A dendrimerâ€“hydrophobic interaction synergy improves the stability of polyion complex micelles. Polymer Chemistry, 2017, 8, 2528-2537.	3.9	23
31	<i>In Vivo</i> Light-Driven DNA Binding and Cellular Uptake of Nucleic Acid Stains. ACS Chemical Biology, 2012, 7, 1276-1280.	3.4	22
32	Customâ€Fit Ruthenium(II) Metallopeptides: A New Twist to DNA Binding With Coordination Compounds. Chemistry - A European Journal, 2013, 19, 13369-13375.	3.3	22
33	Crystal Structure of the Avian Reovirus Inner Capsid Protein ÏƒA. Journal of Virology, 2008, 82, 11208-11216.	3.4	20
34	A Versatile Molecular Tagging Method for Targeting Proteins to Avian Reovirus muNS Inclusions. Use in Protein Immobilization and Purification. PLoS ONE, 2010, 5, e13961.	2.5	20
35	Avian reovirus-triggered apoptosis enhances both virus spread and the processing of the viral nonstructural muNS protein. Virology, 2014, 462-463, 49-59.	2.4	18
36	In Situ Functionalized Polymers for siRNA Delivery. Angewandte Chemie, 2016, 128, 7618-7621.	2.0	18

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37	Selective G-quadruplex binding by oligoarginine-Ru(dppz) metallopeptides. Chemical Communications, 2018, 54, 658-661.	4.1	16
38	Membrane-disrupting iridium(iii) oligocationic organometallopeptides. Chemical Communications, 2016, 52, 11008-11011.	4.1	14
39	3D Printing: An Emerging Technology for Biocatalyst Immobilization. Macromolecular Bioscience, 2022, 22, e2200110.	4.1	14
40	Microspheres-prime/rMVA-boost vaccination enhances humoral and cellular immune response in IFNAR(â^'/â^') mice conferring protection against serotypes 1 and 4 of bluetongue virus. Antiviral Research, 2017, 142, 55-62.	4.1	13
41	Avian and mammalian reoviruses use different molecular mechanisms to synthesize their Î¼NS isoforms. Journal of General Virology, 2011, 92, 2566-2574.	2.9	12
42	A customizable 3D printed device for enzymatic removal of drugs in water. Water Research, 2022, 208, 117861.	11.3	12
43	Interferon induction by avian reovirus. Virology, 2016, 487, 104-111.	2.4	11
44	Cross-protective immune responses against African horse sickness virus after vaccination with protein NS1 delivered by avian reovirus muNS microspheres and modified vaccinia virus Ankara. Vaccine, 2020, 38, 882-889.	3.8	11
45	Avian reovirus S1133 can replicate in mouse L cells: effect of pH and cell attachment status on viral infection. Journal of Virology, 1991, 65, 5499-5505.	3.4	11
46	MitoBlue: A Nontoxic and Photostable Blue-Emitting Dye That Selectively Labels Functional Mitochondria. ACS Chemical Biology, 2014, 9, 2742-2747.	3.4	10
47	IC-Tagging and Protein Relocation to ARV muNS Inclusions: A Method to Study Protein-Protein Interactions in the Cytoplasm or Nucleus of Living Cells. PLoS ONE, 2010, 5, e13785.	2.5	10
48	Chemical and thermal stabilization of CotA laccase via a novel one-step expression and immobilization in muNS-Mi nanospheres. Scientific Reports, 2021, 11, 2802.	3.3	8
49	IC-tagged proteins are able to interact with each other and perform complex reactions when integrated into muNS-derived inclusions. Journal of Biotechnology, 2011, 155, 284-286.	3.8	7
50	MitoBlue as a tool to analyze the mitochondria-lysosome communication. Scientific Reports, 2020, 10, 3528.	3.3	7
51	Dynamic Stereoselection of Peptide Helicates and Their Selective Labeling of DNA Replication Foci in Cells**. Angewandte Chemie, 2021, 133, 8941-8948.	2.0	7
52	Crystallization of the C-terminal globular domain of avian reovirus fibre. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 651-654.	0.7	6
53	Different intracellular distribution of avian reovirus core protein sigmaA in cells of avian and mammalian origin. Virology, 2012, 432, 495-504.	2.4	5
54	Rational Design of Copper(II)â€"Uracil Nanoprocessed Coordination Polymers to Improve Their Cytotoxic Activity in Biological Media. ACS Applied Materials & Interfaces, 2021, 13, 36948-36957.	8.0	5

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55	Selective recognition of A/T-rich DNA 3-way junctions with a three-fold symmetric tripeptide. Chemical Communications, 0, , .	4.1	5
56	The stimulatory effect of actinomycin D on avian reovirus replication in L cells suggests that translational competition dictates the fate of the infection. Journal of Virology, 1991, 65, 5506-5512.	3.4	4
57	Crystallization of the avian reovirus double-stranded RNA-binding and core protein ÏƒA. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 426-429.	0.7	3
58	IC-Tagging methodology applied to the expression of viral glycoproteins and the difficult-to-express membrane-bound IGRP autoantigen. Scientific Reports, 2018, 8, 16286.	3.3	3
59	Nanoparticle- and Microparticle-Based Vaccines against Orbiviruses of Veterinary Importance. Vaccines, 2022, 10, 1124.	4.4	3
60	Using IC-Tagging Methodology for Production and Purification of Epitope-Loaded Protein Microspheres for Vaccination. Methods in Molecular Biology, 2016, 1349, 25-34.	0.9	2
61	Response of Three Different Viruses to Interferon Priming and Dithiothreitol Treatment of Avian Cells. Journal of Virology, 2016, 90, 8328-8340.	3.4	1
62	Tuning the Size of Nanoassembles: A Hierarchical Transfer of Information from Dendrimers to Polyion Complexes. Angewandte Chemie, 2018, 130, 5371-5375.	2.0	1
63	RÃ¼cktitelbild: In Situ Functionalized Polymers for siRNA Delivery (Angew. Chem. 26/2016). Angewandte Chemie, 2016, 128, 7676-7676.	2.0	0
64	Production and Purification of Candidate by IC-Tagging Protein Encapsulation. Methods in Molecular Biology, 2022, 2465, 27-40.	0.9	0