

William J Mcgrath

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,087
citations

394421

19
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structures of fusion proteins with large-affinity tags. <i>Protein Science</i> , 2003, 12, 1313-1322.	7.6	229
2	Viral DNA and a viral peptide can act as cofactors of adenovirus virion proteinase activity. <i>Nature</i> , 1993, 361, 274-275.	27.8	168
3	SARS CoV Main Proteinase: The Monomer-Dimer Equilibrium Dissociation Constant. <i>Biochemistry</i> , 2006, 45, 14632-14641.	2.5	64
4	Characterization of Three Components of Human Adenovirus Proteinase Activity in Vitro. <i>Journal of Biological Chemistry</i> , 1996, 271, 536-543.	3.4	58
5	Regulation of a Viral Proteinase by a Peptide and DNA in One-dimensional Space. <i>Journal of Biological Chemistry</i> , 2013, 288, 2092-2102.	3.4	44
6	Characterization of Human Adenovirus Proteinase Activity in Disrupted Virus Particles. <i>Virology</i> , 1996, 217, 131-138.	2.4	38
7	Human Adenovirus Proteinase: DNA Binding and Stimulation of Proteinase Activity by DNA. <i>Biochemistry</i> , 2001, 40, 13237-13245.	2.5	37
8	Enzymatic activity of the SARS coronavirus main proteinase dimer. <i>FEBS Letters</i> , 2006, 580, 2577-2583.	2.8	37
9	Interaction of the Human Adenovirus Proteinase with Its 11-Amino Acid Cofactor pVIc. <i>Biochemistry</i> , 2001, 40, 12349-12356.	2.5	36
10	Processing of the L1 52/55k Protein by the Adenovirus Protease: a New Substrate and New Insights into Virion Maturation. <i>Journal of Virology</i> , 2014, 88, 1513-1524.	3.4	35
11	Discovery of a new inhibitor lead of adenovirus proteinase: steps toward selective, irreversible inhibitors of cysteine proteinases. <i>FEBS Letters</i> , 2001, 502, 93-97.	2.8	34
12	DNA Binding Provides a Molecular Strap Activating the Adenovirus Proteinase. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 950-959.	3.8	31
13	Crystallographic structure at 1.6-Å resolution of the human adenovirus proteinase in a covalent complex with its 11-amino-acid peptide cofactor: insights on a new fold. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1648, 1-11.	2.3	30
14	Regulation of a Viral Proteinase by a Peptide and DNA in One-dimensional Space. <i>Journal of Biological Chemistry</i> , 2013, 288, 2068-2080.	3.4	30
15	Temporal and spatial control of the adenovirus proteinase by both a peptide and the viral DNA. <i>Trends in Biochemical Sciences</i> , 1997, 22, 393-398.	7.5	28
16	Different modes of inhibition of human adenovirus proteinase, probably a cysteine proteinase, by bovine pancreatic trypsin inhibitor. <i>FEBS Letters</i> , 1996, 388, 233-237.	2.8	25
17	Nitric oxide inhibits the adenovirus proteinase in vitro and viral infectivity in vivo. <i>FASEB Journal</i> , 2003, 17, 2345-2346.	0.5	25
18	Molecular sled is an eleven-amino acid vehicle facilitating biochemical interactions via sliding components along DNA. <i>Nature Communications</i> , 2016, 7, 10202.	12.8	20

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19	Roles of Two Conserved Cysteine Residues in the Activation of Human Adenovirus Proteinase. <i>Biochemistry</i> , 2001, 40, 14468-14474.	2.5	19
20	Regulation of a Viral Proteinase by a Peptide and DNA in One-dimensional Space. <i>Journal of Biological Chemistry</i> , 2013, 288, 2059-2067.	3.4	15
21	Single-Molecule Imaging at High Fluorophore Concentrations by Local Activation of Dye. <i>Biophysical Journal</i> , 2015, 108, 949-956.	0.5	14
22	In the Virion, the 11-Amino-Acid Peptide Cofactor pVIc Is Covalently Linked to the Adenovirus Proteinase. <i>Virology</i> , 2002, 296, 234-240.	2.4	13
23	Interaction of the Adenovirus Proteinase with Protein Cofactors with High Negative Charge Densities. <i>Biochemistry</i> , 2005, 44, 8721-8729.	2.5	12
24	Regulation of a Viral Proteinase by a Peptide and DNA in One-dimensional Space. <i>Journal of Biological Chemistry</i> , 2013, 288, 2081-2091.	3.4	12
25	Preparation and Crystallization of a Complex between Human Adenovirus Serotype 2 Proteinase and Its 11-Amino-Acid Cofactor pVIc. <i>Journal of Structural Biology</i> , 1996, 117, 77-79.	2.8	11
26	First generation inhibitors of the adenovirus proteinase. <i>FEBS Letters</i> , 2013, 587, 2332-2339.	2.8	8
27	Sensitive Method to Identify and Characterize Proteinases In Situ after SDS-PAGE. <i>BioTechniques</i> , 2000, 29, 1108-1113.	1.8	5
28	Adenovirus proteinase: crystallization and preliminary X-ray diffraction studies to atomic resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1462-1464.	2.5	3
29	Assay for the Adenovirus Proteinase. <i>Methods in Molecular Medicine</i> , 2007, , 257-267.	0.8	1
30	Cofactors of the Adenovirus Proteinase. <i>Methods in Molecular Medicine</i> , 2007, , 269-280.	0.8	1