

Scott D Pegan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3812247/publications.pdf>

Version: 2024-02-01

47
papers

2,166
citations

257450

24
h-index

233421

45
g-index

48
all docs

48
docs citations

48
times ranked

3322
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring Noncovalent Protease Inhibitors for the Treatment of Severe Acute Respiratory Syndrome and Severe Acute Respiratory Syndrome-Like Coronaviruses. <i>ACS Infectious Diseases</i> , 2022, 8, 596-611.	3.8	6
2	Polyphenols as alternative treatments of COVID-19. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5371-5380.	4.1	8
3	Structural and Biochemical Insights into the Inhibition of Human Acetylcholinesterase by G-Series Nerve Agents and Subsequent Reactivation by HI-6. <i>Chemical Research in Toxicology</i> , 2021, 34, 804-816.	3.3	5
4	The SARS-CoV-2 SSHHPS Recognized by the Papain-like Protease. <i>ACS Infectious Diseases</i> , 2021, 7, 1483-1502.	3.8	19
5	Structural insights into the interaction of papain-like protease 2 from the alphacoronavirus porcine epidemic diarrhea virus and ubiquitin. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 943-953.	2.3	6
6	Losartan Inhibits SARS-CoV-2 Replication in Vitro. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2021, 24, 390-399.	2.1	12
7	The Structure and Immune Regulatory Implications of the Ubiquitin-Like Tandem Domain Within an Avian 2â€™-5â€™ Oligoadenylate Synthetase-Like Protein. <i>Frontiers in Immunology</i> , 2021, 12, 794664.	4.8	1
8	Polyphenols as Potential Inhibitors of SARS-CoV-2 RNA Dependent RNA Polymerase (RdRp). <i>Molecules</i> , 2021, 26, 7438.	3.8	10
9	Flipping the substrate preference of Hazara virus ovarian tumour domain protease through structure-based mutagenesis. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 1114-1123.	2.3	3
10	Synthesis, Cytotoxicity, and Genotoxicity of 10-Aza-9-oxakalkitoxin, an N,N,O-Trisubstituted Hydroxylamine Analog, or Hydroxalog, of a Marine Natural Product. <i>Journal of the American Chemical Society</i> , 2020, 142, 9147-9151.	13.7	9
11	Characterization and Noncovalent Inhibition of the Deubiquitinase and deISGylase Activity of SARS-CoV-2 Papain-Like Protease. <i>ACS Infectious Diseases</i> , 2020, 6, 2099-2109.	3.8	239
12	How ISG15 combats viral infection. <i>Virus Research</i> , 2020, 286, 198036.	2.2	51
13	Stable Occupancy of the Crimean-Congo Hemorrhagic Fever Virus-Encoded Deubiquitinase Blocks Viral Infection. <i>MBio</i> , 2019, 10, .	4.1	12
14	Structure of interferon-stimulated gene product 15 (ISG15) from the bat species <i>Myotis davidii</i> and the impact of interdomain ISG15 interactions on viral protein engagement. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 21-31.	2.3	11
15	Probing the impact of nairovirus genomic diversity on viral ovarian tumor domain protease (vOTU) structure and deubiquitinase activity. <i>PLoS Pathogens</i> , 2019, 15, e1007515.	4.7	26
16	Targeting Mitochondrial Proline Dehydrogenase with a Suicide Inhibitor to Exploit Synthetic Lethal Interactions with p53 Upregulation and Glutaminase Inhibition. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1374-1385.	4.1	26
17	The structural and biochemical impacts of monomerizing human acetylcholinesterase. <i>Protein Science</i> , 2019, 28, 1106-1114.	7.6	7
18	ISG15: It's Complicated. <i>Journal of Molecular Biology</i> , 2019, 431, 4203-4216.	4.2	97

#	ARTICLE	IF	CITATIONS
19	Synthesis and Molecular Properties of Nerve Agent Reactivator HLÅr-7 Dimethanesulfonate. ACS Medicinal Chemistry Letters, 2019, 10, 761-766.	2.8	6
20	Single-dose replicon particle vaccine provides complete protection against Crimean-Congo hemorrhagic fever virus in mice. Emerging Microbes and Infections, 2019, 8, 575-578.	6.5	36
21	Determining the molecular drivers of species-specific interferon-stimulated gene product 15 interactions with nairovirus ovarian tumor domain proteases. PLoS ONE, 2019, 14, e0226415.	2.5	9
22	Structural Insights of Stereospecific Inhibition of Human Acetylcholinesterase by VX and Subsequent Reactivation by HI-6. Chemical Research in Toxicology, 2018, 31, 1405-1417.	3.3	35
23	Insights into the Porcine Reproductive and Respiratory Syndrome Virus Viral Ovarian Tumor Domain Protease Specificity for Ubiquitin and Interferon Stimulated Gene Product 15. ACS Infectious Diseases, 2018, 4, 1316-1326.	3.8	10
24	Structural Insights into the Interaction of Coronavirus Papain-Like Proteases and Interferon-Stimulated Gene Product 15 from Different Species. Journal of Molecular Biology, 2017, 429, 1661-1683.	4.2	88
25	Blocking Myristoylation of Src Inhibits Its Kinase Activity and Suppresses Prostate Cancer Progression. Cancer Research, 2017, 77, 6950-6962.	0.9	65
26	Structurally Guided Removal of DeISGylase Biochemical Activity from Papain-Like Protease Originating from Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2017, 91, .	3.4	31
27	Crimean-Congo Hemorrhagic Fever Virus Suppresses Innate Immune Responses via a Ubiquitin and ISG15 Specific Protease. Cell Reports, 2017, 20, 2396-2407.	6.4	64
28	Biochemical and Structural Insights into the Preference of Nairoviral DeISGylases for Interferon-Stimulated Gene Product 15 Originating from Certain Species. Journal of Virology, 2016, 90, 8314-8327.	3.4	28
29	Inherent dynamics within the Crimean-Congo Hemorrhagic fever virus protease are localized to the same region as substrate interactions. Protein Science, 2015, 24, 651-660.	7.6	3
30	Engineering the Organophosphorus Acid Anhydrolase Enzyme for Increased Catalytic Efficiency and Broadened Stereospecificity on Russian VX. Biochemistry, 2015, 54, 6423-6433.	2.5	33
31	Assessment of Inhibitors of Pathogenic Crimean-Congo Hemorrhagic Fever Virus Strains Using Virus-Like Particles. PLoS Neglected Tropical Diseases, 2015, 9, e0004259.	3.0	37
32	The vOTU domain of highly-pathogenic porcine reproductive and respiratory syndrome virus displays a differential substrate preference. Virology, 2014, 454-455, 247-253.	2.4	23
33	Diversity of Ubiquitin and ISG15 Specificity among Nairoviruses' Viral Ovarian Tumor Domain Proteases. Journal of Virology, 2013, 87, 3815-3827.	3.4	44
34	Structural and functional characterization of Mycobacterium tuberculosis triosephosphate isomerase. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 1017-1022.	2.5	7
35	X-ray structural studies of quinone reductase 2 nanomolar range inhibitors. Protein Science, 2011, 20, 1182-1195.	7.6	38
36	Development and validation of a yeast high-throughput screen for inhibitors of A β 242 oligomerization. DMM Disease Models and Mechanisms, 2011, 4, 822-831.	2.4	43

#	ARTICLE	IF	CITATIONS
37	Structural Analysis of a Viral Ovarian Tumor Domain Protease from the Crimean-Congo Hemorrhagic Fever Virus in Complex with Covalently Bonded Ubiquitin. <i>Journal of Virology</i> , 2011, 85, 3621-3630.	3.4	60
38	A Universal, Fully Automated High Throughput Screening Assay for Pyrophosphate and Phosphate Release from Enzymatic Reactions. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 27-38.	1.1	21
39	Isolation and evaluation of kaempferol glycosides from the fern <i>Neocheropteris palmatopedata</i> . <i>Phytochemistry</i> , 2010, 71, 641-647.	2.9	32
40	Natural product leads for drug discovery: Isolation, synthesis and biological evaluation of 6-cyano-5-methoxyindolo[2,3-a]carbazole based ligands as antibacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7126-7130.	3.0	23
41	Synthesis of Casimiroin and Optimization of Its Quinone Reductase 2 and Aromatase Inhibitory Activities. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1873-1884.	6.4	74
42	An Antimicrobial Guanidine-Bearing Sesterterpene from the Cultured Cyanobacterium <i>Scytonema</i> sp.. <i>Journal of Natural Products</i> , 2009, 72, 2043-2045.	3.0	57
43	Structural Basis for Catalysis of a Tetrameric Class IIa Fructose 1,6-Bisphosphate Aldolase from <i>Mycobacterium tuberculosis</i> . <i>Journal of Molecular Biology</i> , 2009, 386, 1038-1053.	4.2	38
44	Structural and mechanistic analysis of trans-3-chloroacrylic acid dehalogenase activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1277-1282.	2.5	2
45	Design and synthesis of 2-pyridones as novel inhibitors of the <i>Bacillus anthracis</i> enoyl-ACP reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3565-3569.	2.2	31
46	A noncovalent class of papain-like protease/deubiquitinase inhibitors blocks SARS virus replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16119-16124.	7.1	407
47	Cytoplasmic domain structures of Kir2.1 and Kir3.1 show sites for modulating gating and rectification. <i>Nature Neuroscience</i> , 2005, 8, 279-287.	14.8	273