

Stephen A Gallo

List of Publications by Year in descending order

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44
papers

2,013
citations

331259

21
h-index

344852

36
g-index

47
all docs

47
docs citations

47
times ranked

1805
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of HIV-1 to entry inhibitors correlates with envelope/coreceptor affinity, receptor density, and fusion kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16249-16254.	3.3	384
2	The HIV Env-mediated fusion reaction. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 36-50.	1.4	338
3	Mode of Action of an Antiviral Peptide from HIV-1. Journal of Biological Chemistry, 2001, 276, 1391-1397.	1.6	138
4	HIV-1 gp41 Six-Helix Bundle Formation Occurs Rapidly after the Engagement of gp120 by CXCR4 in the HIV-1 Env-Mediated Fusion Process. Biochemistry, 2001, 40, 12231-12236.	1.2	130
5	Î ₂ -Defensins Prevent HIV-1 Env-mediated Fusion by Binding gp41 and Blocking 6-Helix Bundle Formation. Journal of Biological Chemistry, 2006, 281, 18787-18792.	1.6	125
6	Modulation of entry of enveloped viruses by cholesterol and sphingolipids (Review). Molecular Membrane Biology, 2003, 20, 243-254.	2.0	97
7	Fluorescent lipid probes in the study of viral membrane fusion. Chemistry and Physics of Lipids, 2002, 116, 39-55.	1.5	67
8	The C- and the N-terminal Regions of Glycoprotein 41 Ectodomain Fuse Membranes Enriched and Not Enriched with Cholesterol, Respectively. Journal of Biological Chemistry, 2004, 279, 18526-18534.	1.6	64
9	C-terminal Octylation Rescues an Inactive T20 Mutant. Journal of Biological Chemistry, 2003, 278, 21012-21017.	1.6	55
10	Characterization of electric-pulse-induced permeabilization of porcine skin using surface electrodes. Biophysical Journal, 1997, 72, 2805-2811.	0.2	47
11	The Influence of Peer Reviewer Expertise on the Evaluation of Research Funding Applications. PLoS ONE, 2016, 11, e0165147.	1.1	47
12	Local and transient structural changes in stratum corneum at high electric fields: Contribution of Joule heating. Bioelectrochemistry, 2005, 67, 37-46.	2.4	46
13	A Pulsed Electric Field Enhances Cutaneous Delivery of Methylene Blue in Excised Full-Thickness Porcine Skin. Journal of Investigative Dermatology, 1998, 111, 457-463.	0.3	44
14	The Stability of the Intact Envelope Glycoproteins is a Major Determinant of Sensitivity of HIV/SIV to Peptidic Fusion Inhibitors. Journal of Molecular Biology, 2004, 340, 9-14.	2.0	40
15	Temperature-Dependent Electrical and Ultrastructural Characterizations of Porcine Skin upon Electroporation. Biophysical Journal, 2002, 82, 109-119.	0.2	37
16	Elevated Expression of GM3 in Receptor-Bearing Targets Confers Resistance to Human Immunodeficiency Virus Type 1 Fusion. Journal of Virology, 2004, 78, 7360-7368.	1.5	37
17	Sphingolipids, cholesterol, and HIV-1: A paradigm in viral fusion. Glycoconjugate Journal, 2006, 23, 189-197.	1.4	35
18	The Validation of Peer Review through Research Impact Measures and the Implications for Funding Strategies. PLoS ONE, 2014, 9, e106474.	1.1	34

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19	Kinetic studies of HIV-1 and HIV-2 envelope glycoprotein-mediated fusion. <i>Retrovirology</i> , 2006, 3, 90.	0.9	29
20	Peer Review: A System under Stress. <i>BioScience</i> , 2017, 67, 407-410.	2.2	29
21	Time-Dependent Ultrastructural Changes to Porcine Stratum Corneum Following an Electric Pulse. <i>Biophysical Journal</i> , 1999, 76, 2824-2832.	0.2	28
22	Teleconference versus Face-to-Face Scientific Peer Review of Grant Application: Effects on Review Outcomes. <i>PLoS ONE</i> , 2013, 8, e71693.	1.1	23
23	Temperature-Dependent Intermediates in HIV-1 Envelope Glycoprotein-Mediated Fusion Revealed by Inhibitors that Target N- and C-Terminal Helical Regions of HIV-1 gp41. <i>Biochemistry</i> , 2004, 43, 8230-8233.	1.2	22
24	Risk evaluation in peer review of grant applications. <i>Environment Systems and Decisions</i> , 2018, 38, 216-229.	1.9	22
25	Functional expression of CD4, CXCR4, and CCR5 in glycosphingolipid-deficient mouse melanoma GM95 cells and susceptibility to HIV-1 envelope glycoprotein-triggered membrane fusion. <i>Virology</i> , 2004, 318, 55-65.	1.1	21
26	A retrospective analysis of the effect of discussion in teleconference and face-to-face scientific peer-review panels. <i>BMJ Open</i> , 2015, 5, e009138.	0.8	20
27	Electrorheological Modeling of the Permeabilization of the Stratum Corneum: Theory and Experiment. <i>Biophysical Journal</i> , 1998, 75, 2721-2731.	0.2	13
28	The Participation and Motivations of Grant Peer Reviewers: A Comprehensive Survey. <i>Science and Engineering Ethics</i> , 2020, 26, 761-782.	1.7	8
29	Grant Review Feedback: Appropriateness and Usefulness. <i>Science and Engineering Ethics</i> , 2021, 27, 18.	1.7	6
30	Frequency and Type of Conflicts of Interest in the Peer Review of Basic Biomedical Research Funding Applications: Self-Reporting Versus Manual Detection. <i>Science and Engineering Ethics</i> , 2016, 22, 189-197.	1.7	5
31	Grant reviewer perceptions of the quality, effectiveness, and influence of panel discussion. <i>Research Integrity and Peer Review</i> , 2020, 5, 7.	2.2	5
32	Finding scientific communities in citation graphs: Articles and authors. <i>Quantitative Science Studies</i> , 2021, 2, 184-203.	1.6	5
33	Do funding applications where peer reviewers disagree have higher citations? A cross-sectional study.. <i>F1000Research</i> , 2018, 7, 1030.	0.8	3
34	External Tests of Peer Review Validity Via Impact Measures. <i>Frontiers in Research Metrics and Analytics</i> , 2018, 3, .	0.9	2
35	Do funding applications where peer reviewers disagree have higher citations? A cross-sectional study. <i>F1000Research</i> , 2018, 7, 1030.	0.8	2
36	Transdermal Delivery Using Surface Electrodes in Porcine Skin. , 2000, 37, 447-455.		1

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37	AIBS Diversity Plan. <i>BioScience</i> , 2021, 71, 787-789.	2.2	1
38	The <i>BioScience</i> Author Survey. <i>BioScience</i> , 2021, 71, 671-671.	2.2	1
39	Scientists from Minority-Serving Institutions and Their Participation in Grant Peer Review. <i>BioScience</i> , 2022, 72, 289-299.	2.2	1
40	Using Surface Electrodes to Monitor the Electric- Pulse-Induced Permeabilization of Porcine Skin. , 2000, 37, 437-445.		0
41	The Stability of the Intact Envelope Glycoproteins is a Major Determinant of Sensitivity of HIV/SIV to Peptidic Fusion Inhibitors. <i>Journal of Molecular Biology</i> , 2004, 340, 9-9.	2.0	0
42	The Science of Peer Review: Grant Review Feedback. <i>BioScience</i> , 2021, 71, 431-431.	2.2	0
43	Diversity Survey Results. <i>BioScience</i> , 2021, 71, 1115-1115.	2.2	0
44	Representation in <i>BioScience</i> Authorship. <i>BioScience</i> , 0, , .	2.2	0