

Roland A Fleck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7919494/publications.pdf>

Version: 2024-02-01

61
papers

3,851
citations

147801

31
h-index

128289

60
g-index

68
all docs

68
docs citations

68
times ranked

7203
citing authors

#	ARTICLE	IF	CITATIONS
1	Malaria Parasite Schizont Egress Antigen-1 Plays an Essential Role in Nuclear Segregation during Schizogony. <i>MBio</i> , 2021, 12, .	4.1	17
2	<i>Pseudomonas aeruginosa</i> adapts to octenidine via a combination of efflux and membrane remodelling. <i>Communications Biology</i> , 2021, 4, 1058.	4.4	8
3	Mutations in EPHB4 cause human venous valve aplasia. <i>JCI Insight</i> , 2021, 6, .	5.0	7
4	Glycocalyx sialic acids regulate Nrf2-mediated signaling by fluid shear stress in human endothelial cells. <i>Redox Biology</i> , 2021, 38, 101816.	9.0	38
5	Detailed hair shaft analysis in a man with delayed-onset Chediak-Higashi syndrome. <i>British Journal of Dermatology</i> , 2020, 182, 223-225.	1.5	2
6	<i>De novo</i> phosphatidylcholine synthesis is required for autophagosome membrane formation and maintenance during autophagy. <i>Autophagy</i> , 2020, 16, 1044-1060.	9.1	67
7	Human Mesenchymal Stromal Cells Engineered to Express Collagen VII Can Restore Anchoring Fibrils in Recessive Dystrophic Epidermolysis Bullosa Skin Graft Chimeras. <i>Journal of Investigative Dermatology</i> , 2020, 140, 121-131.e6.	0.7	13
8	Maternal <i>Larp6</i> controls oocyte development, chorion formation and elevation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	11
9	Effects of Germline VHL Deficiency on Growth, Metabolism, and Mitochondria. <i>New England Journal of Medicine</i> , 2020, 382, 835-844.	27.0	23
10	Mitochondria form contact sites with the nucleus to couple prosurvival retrograde response. <i>Science Advances</i> , 2020, 6, .	10.3	79
11	Microscopy on Drugs: Characterization and Quantification of Pt-based Pharmaceuticals using the STEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 716-717.	0.4	0
12	Small Extracellular Vesicles Are Key Regulators of Non-cell Autonomous Intercellular Communication in Senescence via the Interferon Protein IFITM3. <i>Cell Reports</i> , 2019, 27, 3956-3971.e6.	6.4	187
13	A protease cascade regulates release of the human malaria parasite <i>Plasmodium falciparum</i> from host red blood cells. <i>Nature Microbiology</i> , 2018, 3, 447-455.	13.3	96
14	3D microfluidic liver cultures as a physiological preclinical tool for hepatitis B virus infection. <i>Nature Communications</i> , 2018, 9, 682.	12.8	169
15	Reactive oxygen species regulate axonal regeneration through the release of exosomal NADPH oxidase 2 complexes into injured axons. <i>Nature Cell Biology</i> , 2018, 20, 307-319.	10.3	233
16	Observation of metal nanoparticles at atomic resolution in Pt-based cancer chemotherapeutics. <i>Journal of Microscopy</i> , 2018, 270, 92-97.	1.8	3
17	Application of PLGA/FGF-2 coaxial microfibers in spinal cord tissue engineering: an <i>in vitro</i> and <i>in vivo</i> investigation. <i>Regenerative Medicine</i> , 2018, 13, 785-801.	1.7	25
18	Cellular dissection of malaria parasite invasion of human erythrocytes using viable <i>Plasmodium knowlesi</i> merozoites. <i>Scientific Reports</i> , 2018, 8, 10165.	3.3	26

#	ARTICLE	IF	CITATIONS
19	A Distance-Dependent Distribution of Presynaptic Boutons Tunes Frequency-Dependent Dendritic Integration. <i>Neuron</i> , 2018, 99, 275-282.e3.	8.1	34
20	Distance-dependent gradient in NMDAR-driven spine calcium signals along tapering dendrites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1986-E1995.	7.1	24
21	TatA complexes exhibit a marked change in organisation in response to expression of the TatBC complex. <i>Biochemical Journal</i> , 2017, 474, 1495-1508.	3.7	3
22	Parasitophorous vacuole poration precedes its rupture and rapid host erythrocyte cytoskeleton collapse in <i>Plasmodium falciparum</i> egress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3439-3444.	7.1	84
23	Stall in Canonical Autophagy-Lysosome Pathways Prompts Nucleophagy-Based Nuclear Breakdown in Neurodegeneration. <i>Current Biology</i> , 2017, 27, 3626-3642.e6.	3.9	47
24	A Moving Source of Matrix Components Is Essential for De Novo Basement Membrane Formation. <i>Current Biology</i> , 2017, 27, 3526-3534.e4.	3.9	94
25	Organic cation transporter 1 (OCT1) is involved in pentamidine transport at the human and mouse blood-brain barrier (BBB). <i>PLoS ONE</i> , 2017, 12, e0173474.	2.5	31
26	Hair Follicle Miniaturization in a Woolly Hair Nevus. <i>American Journal of Dermatopathology</i> , 2016, 38, 239-243.	0.6	7
27	The Biosynthesis of Infrared-Emitting Quantum Dots in <i>Allium Fistulosum</i> . <i>Scientific Reports</i> , 2016, 6, 20480.	3.3	6
28	Tunable Ultra-high Aspect Ratio Nanorod Architectures grown on Porous Substrate via Electromigration. <i>Scientific Reports</i> , 2016, 6, 22272.	3.3	15
29	Wbp2 is required for normal glutamatergic synapses in the cochlea and is crucial for hearing. <i>EMBO Molecular Medicine</i> , 2016, 8, 191-207.	6.9	41
30	A spiral scaffold underlies cytoadherent knobs in <i>Plasmodium falciparum</i> -infected erythrocytes. <i>Blood</i> , 2016, 127, 343-351.	1.4	50
31	Bach1 differentially regulates distinct Nrf2-dependent genes in human venous and coronary artery endothelial cells adapted to physiological oxygen levels. <i>Free Radical Biology and Medicine</i> , 2016, 92, 152-162.	2.9	63
32	Proteomics of HCV virions reveals an essential role for the nucleoporin Nup98 in virus morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2484-2489.	7.1	63
33	Lentiviral Engineered Fibroblasts Expressing Codon-Optimized COL7A1 Restore Anchoring Fibrils in RDEB. <i>Journal of Investigative Dermatology</i> , 2016, 136, 284-292.	0.7	42
34	Association of intracellular and synaptic organization in cochlear inner hair cells revealed by 3D electron microscopy. <i>Journal of Cell Science</i> , 2015, 128, 2529-40.	2.0	21
35	Cryo-injury in algae and the implications this has to the conservation of micro-algae. <i>Microalgae Biotechnology</i> , 2015, 1, .	1.0	18
36	Low-Temperature Electron Microscopy: Techniques and Protocols. <i>Methods in Molecular Biology</i> , 2015, 1257, 243-274.	0.9	6

#	ARTICLE	IF	CITATIONS
37	Abstract 2897: Phosphatidylcholine synthesis is required for autophagosome membrane formation and maintenance during autophagy. , 2015, , .		0
38	The effect of sterilization methods on electronspun poly(lactide- <i>co</i> -glycolide) and subsequent adhesion efficiency of mesenchymal stem cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 700-708.	3.4	35
39	Protein coated microcrystals formulated with model antigens and modified with calcium phosphate exhibit enhanced phagocytosis and immunogenicity. Vaccine, 2014, 32, 4234-4242.	3.8	23
40	Inner ear tissue preservation by rapid freezing: Improving fixation by high-pressure freezing and hybrid methods. Hearing Research, 2014, 315, 49-60.	2.0	21
41	Current approaches and future role of high content imaging in safety sciences and drug discovery. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 479-493.	1.5	42
42	DNA binding polarity, dimerization, and ATPase ring remodeling in the CMG helicase of the eukaryotic replisome. ELife, 2014, 3, e03273.	6.0	103
43	Development of functional cell-based assays as replacement assays for botulinum toxins and antitoxins. Toxicon, 2013, 68, 96.	1.6	0
44	Confocal microscopy study of pertussis toxin and toxoids on CHO-cells. Human Vaccines and Immunotherapeutics, 2013, 9, 332-338.	3.3	5
45	Enhanced sensitivity to Botulinum type A neurotoxin of human neuroblastoma SH-SY5Y cells after differentiation into mature neuronal cells. Botulinum Journal, 2011, 2, 30.	0.2	11
46	Protein Analysis of Purified Respiratory Syncytial Virus Particles Reveals an Important Role for Heat Shock Protein 90 in Virus Particle Assembly. Molecular and Cellular Proteomics, 2010, 9, 1829-1848.	3.8	94
47	Maturation alterations in gap junction expression and associated collagen synthesis in response to tendon function. Matrix Biology, 2009, 28, 311-323.	3.6	33
48	A generic mechanism in <i>Neisseria meningitidis</i> for enhanced resistance against bactericidal antibodies. Journal of Experimental Medicine, 2008, 205, 1423-1434.	8.5	78
49	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. Nature Biotechnology, 2007, 25, 803-816.	17.5	983
50	Gap junction protein expression and cellularity: comparison of immature and adult equine digital tendons. Journal of Anatomy, 2007, 211, 325-334.	1.5	65
51	Characterisation of cryoinjury in <i>Euglena gracilis</i> using flow-cytometry and cryomicroscopy. Cryobiology, 2006, 52, 261-268.	0.7	19
52	Impact of antifreeze proteins and antifreeze glycoproteins on bovine sperm during freeze-thaw. Theriogenology, 2006, 66, 1894-1900.	2.1	89
53	Evaluation of adenyl cyclase toxin constructs from <i>Bordetella pertussis</i> as candidate vaccine components in an in vitro model of complement-dependent intraphagocytic killing. Vaccine, 2006, 24, 4794-4803.	3.8	5
54	Use of Opsonophagocytosis for Serological Evaluation of Pneumococcal Vaccines. Vaccine Journal, 2006, 13, 165-169.	3.1	186

#	ARTICLE	IF	CITATIONS
55	Use of HL-60 Cell Line To Measure Opsonic Capacity of Pneumococcal Antibodies. Vaccine Journal, 2005, 12, 19-27.	3.1	88
56	In vivo uptake of an experimental microencapsulated diphtheria vaccine following sub-cutaneous immunisation. Vaccine, 2004, 22, 2430-2437.	3.8	44
57	OPTIMIZATION OF NB-4 AND HL-60 DIFFERENTIATION FOR USE IN OPSONOPHAGOCYTOSIS ASSAYS. In Vitro Cellular and Developmental Biology - Animal, 2003, 39, 235.	1.5	25
58	Cryopreservation-recalcitrance in microalgae: novel approaches to identify and avoid cryo-injury. Journal of Applied Phycology, 2000, 12, 369-377.	2.8	67
59	Studies of free radical-mediated cryoinjury in the unicellular green alga <i>Euglena gracilis</i> using a non-destructive hydroxyl radical assay: A novel approach for developing protistan cryopreservation strategies. Free Radical Research, 2000, 32, 157-170.	3.3	52
60	In vitro culture and conservation of microalgae: Applications for aquaculture, biotechnology and environmental research. In Vitro Cellular and Developmental Biology - Plant, 1999, 35, 127-136.	2.1	44
61	Long-term viability of preserved eukaryotic algae. Journal of Applied Phycology, 1997, 9, 121-127.	2.8	61