

Sarah Stryeck

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,860
citations

471509
17
h-index

552781
26
g-index

28
all docs

28
docs citations

28
times ranked

4266
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Apoptosis of Senescent Cells Restores Tissue Homeostasis in Response to Chemotoxicity and Aging. <i>Cell</i> , 2017, 169, 132-147.e16.	28.9	979
2	Cytosolic Aspartate Availability Determines Cell Survival When Glutamine Is Limiting. <i>Cell Metabolism</i> , 2018, 28, 706-720.e6.	16.2	132
3	Novel genetically encoded fluorescent probes enable real-time detection of potassium in vitro and in vivo. <i>Nature Communications</i> , 2017, 8, 1422.	12.8	130
4	pH-Lemon, a Fluorescent Protein-Based pH Reporter for Acidic Compartments. <i>ACS Sensors</i> , 2019, 4, 883-891.	7.8	99
5	PRMT1-mediated methylation of MICU1 determines the UCP2/3 dependency of mitochondrial Ca ²⁺ uptake in immortalized cells. <i>Nature Communications</i> , 2016, 7, 12897.	12.8	59
6	Anti-LRP5/6 VHHs promote differentiation of Wnt-hypersensitive intestinal stem cells. <i>Nature Communications</i> , 2019, 10, 365.	12.8	53
7	Enhanced inter-compartmental Ca ²⁺ flux modulates mitochondrial metabolism and apoptotic threshold during aging. <i>Redox Biology</i> , 2019, 20, 458-466.	9.0	50
8	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. <i>Circulation Research</i> , 2019, 124, 1796-1807.	4.5	44
9	N-acetylaspartate pathway is nutrient responsive and coordinates lipid and energy metabolism in brown adipocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 337-348.	4.1	37
10	Fasting improves therapeutic response in hepatocellular carcinoma through p53-dependent metabolic synergism. <i>Science Advances</i> , 2022, 8, eabh2635.	10.3	35
11	Acetyl-CoA carboxylase 1α-dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019, 294, 12020-12039.	3.4	29
12	Acetate-free, citrate-acidified bicarbonate dialysis improves serum calcification propensity—a preliminary study. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 2043-2051.	0.7	28
13	Glycogen Synthase Kinase 3 Beta Controls Presenilin-1-Mediated Endoplasmic Reticulum Ca ²⁺ Leak Directed to Mitochondria in Pancreatic Islets and beta-Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 57-75.	1.6	25
14	Low cardiac lipolysis reduces mitochondrial fission and prevents lipotoxic heart dysfunction in Perilipin 5 mutant mice. <i>Cardiovascular Research</i> , 2020, 116, 339-352.	3.8	23
15	Serum Concentrations of Citrate, Tyrosine, 2- and 3- Hydroxybutyrate are Associated with Increased 3-Month Mortality in Acute Heart Failure Patients. <i>Scientific Reports</i> , 2019, 9, 6743.	3.3	23
16	A single alcohol binge impacts on neutrophil function without changes in gut barrier function and gut microbiome composition in healthy volunteers. <i>PLoS ONE</i> , 2019, 14, e0211703.	2.5	23
17	FAIRness Literacy: The Achilles' Heel of Applying FAIR Principles. <i>Data Science Journal</i> , 2020, 19, .	1.3	19
18	Integrative metabolomics as emerging tool to study autophagy regulation. <i>Microbial Cell</i> , 2017, 4, 240-258.	3.2	18

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19	Presenilin-1 Established ER-Ca ²⁺ Leak: a Follow Up on Its Importance for the Initial Insulin Secretion in Pancreatic Islets and Î²-Cells Upon Elevated Glucose. Cellular Physiology and Biochemistry, 2019, 53, 573-586.	1.6	15
20	NMR spectroscopy enables simultaneous quantification of carbohydrates for diagnosis of intestinal and gastric permeability. Scientific Reports, 2018, 8, 14650.	3.3	13
21	A Generation Shift in Mediterranean Diet Adherence and Its Association with Biological Markers and Health in Dalmatia, Croatia. Nutrients, 2021, 13, 4564.	4.1	9
22	Collaborative Data Use between Private and Public Stakeholdersâ€™ A Regional Case Study. Data, 2022, 7, 20.	2.3	5
23	A local platform for user-friendly FAIR data management and reproducible analytics. Journal of Biotechnology, 2021, 341, 43-50.	3.8	4
24	FAIR Data Austria - Aligning the Implementation of FAIR Tools and Services. VOEB-Mitteilungen, 2021, 74, 102-120.	0.2	4
25	Kompetenzen von Data Stewards an Ã¶sterreichischen UniversitÃ¤ten. VOEB-Mitteilungen, 2021, 74, .	0.2	3
26	Open Data to Support CANCER Scienceâ€™ A Bioinformatics Perspective on Glioma Research. Onco, 2021, 1, 219-229.	0.6	1
27	CyVerse Austriaâ€™ A Local, Collaborative Cyberinfrastructure. Mathematical and Computational Applications, 2020, 25, 38.	1.3	0
28	Bericht zum â€œFAIR Data Austriaâ€œ Workshop an der TU Wien (Wien, 8. September 2020). VOEB-Mitteilungen, 2020, 73, 610-619.	0.2	0