

Santiago Costantino

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3570646/publications.pdf>

Version: 2024-02-01

81
papers

3,001
citations

212478

28
h-index

206121

51
g-index

84
all docs

84
docs citations

84
times ranked

5278
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocular rigidity and neuroretinal damage in patients with vasospasticity: a pilot study. Canadian Journal of Ophthalmology, 2023, 58, 338-345.	0.4	0
2	Spatially mapping the immune landscape of melanoma using imaging mass cytometry. Science Immunology, 2022, 7, eabi5072.	5.6	60
3	Correlation of ocular rigidity with intraocular pressure spike after intravitreal injection of bevacizumab in exudative retinal disease. British Journal of Ophthalmology, 2021, 105, 392-396.	2.1	7
4	Non-invasive in vivo measurement of ocular rigidity: Clinical validation, repeatability and method improvement. Experimental Eye Research, 2020, 190, 107831.	1.2	13
5	Motility-Based Single-Cell Capture and Expansion from a Heterogeneous Cell Culture. Biophysical Journal, 2020, 118, 312a.	0.2	1
6	The Association Between Ocular Rigidity and Neuroretinal Damage in Glaucoma. , 2020, 61, 11.		14
7	A potent nuclear export mechanism imposes USP16 cytoplasmic localization during interphase. Journal of Cell Science, 2020, 133, .	1.2	13
8	BMP9 signaling promotes the normalization of tumor blood vessels. Oncogene, 2020, 39, 2996-3014.	2.6	27
9	Novel Anti-Interleukin-1 β Therapy Preserves Retinal Integrity: A Longitudinal Investigation Using OCT Imaging and Automated Retinal Segmentation in Small Rodents. Frontiers in Pharmacology, 2020, 11, 296.	1.6	8
10	C3a elicits unique migratory responses in immature low-density neutrophils. Oncogene, 2020, 39, 2612-2623.	2.6	20
11	An open-source algorithm for rapid unbiased determination of DNA fiber length. DNA Repair, 2019, 74, 26-37.	1.3	7
12	Exploiting Molecular Barcodes in High-Throughput Cellular Assays. SLAS Technology, 2019, 24, 298-307.	1.0	6
13	Opto-magnetic capture of individual cells based on visual phenotypes. ELife, 2019, 8, .	2.8	9
14	Stalled developmental programs at the root of pediatric brain tumors. Nature Genetics, 2019, 51, 1702-1713.	9.4	136
15	PRMT5 is essential for B cell development and germinal center dynamics. Nature Communications, 2019, 10, 22.	5.8	61
16	Opto-magnetic Selection and Isolation of Single Cells. Bio-protocol, 2019, 9, e3428.	0.2	2
17	A machine learning approach for automated assessment of retinal vasculature in the oxygen induced retinopathy model. Scientific Reports, 2018, 8, 3916.	1.6	12
18	In Vivo Laser-Mediated Retinal Ganglion Cell Optoporation Using K _V 1.1 Conjugated Gold Nanoparticles. Nano Letters, 2018, 18, 6981-6988.	4.5	44

#	ARTICLE	IF	CITATIONS
19	Replication Protein A Availability during DNA Replication Stress Is a Major Determinant of Cisplatin Resistance in Ovarian Cancer Cells. <i>Cancer Research</i> , 2018, 78, 5561-5573.	0.4	45
20	Open-source algorithm for automatic choroid segmentation of OCT volume reconstructions. <i>Scientific Reports</i> , 2017, 7, 42112.	1.6	50
21	CLN5 is cleaved by members of the SPP/SPPL family to produce a mature soluble protein. <i>Experimental Cell Research</i> , 2017, 357, 40-50.	1.2	27
22	A Haptotaxis Assay for Neutrophils using Optical Patterning and a High-content Approach. <i>Scientific Reports</i> , 2017, 7, 2869.	1.6	19
23	Single Cell Fluorescent Labelling in 3-Dimensional Environments. <i>Biophysical Journal</i> , 2017, 112, 295a.	0.2	0
24	Cell Line Phenotypic Enrichment based on Migration and Morphology. <i>Biophysical Journal</i> , 2017, 112, 134a.	0.2	0
25	Axonal Degeneration in Retinal Ganglion Cells Is Associated with a Membrane Polarity-Sensitive Redox Process. <i>Journal of Neuroscience</i> , 2017, 37, 3824-3839.	1.7	30
26	Pilot study of the pulsatile neuro-peripapillary retinal deformation in glaucoma and its relationship with glaucoma risk factors. <i>Current Eye Research</i> , 2017, 42, 1620-1627.	0.7	3
27	Preventing Corneal Calcification Associated With Xylazine for Longitudinal Optical Coherence Tomography in Young Rodents. , 2017, 58, 461-469.		7
28	Calnuc Function in Endosomal Sorting of Lysosomal Receptors. <i>Traffic</i> , 2016, 17, 416-432.	1.3	10
29	Live single-cell laser tag. <i>Nature Communications</i> , 2016, 7, 11636.	5.8	22
30	Choroidal Involution Is Associated with a Progressive Degeneration of the Outer Retinal Function in a Model of Retinopathy of Prematurity. <i>American Journal of Pathology</i> , 2016, 186, 3100-3116.	1.9	47
31	Mutations in Replicative Stress Response Pathways Are Associated with S Phase-specific Defects in Nucleotide Excision Repair. <i>Journal of Biological Chemistry</i> , 2016, 291, 522-537.	1.6	22
32	Painting cells with light. <i>Biochemist</i> , 2016, 38, 8-11.	0.2	3
33	Interplay Between Histone H3 Lysine 56 Deacetylation and Chromatin Modifiers in Response to DNA Damage. <i>Genetics</i> , 2015, 200, 185-205.	1.2	29
34	Automatic segmentation of the optic nerve head for deformation measurements in video rate optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 116008.	1.4	6
35	Adaptive settings for the nearest-neighbor particle tracking algorithm. <i>Bioinformatics</i> , 2015, 31, 1279-1285.	1.8	57
36	Non-invasive measurement of choroidal volume change and ocular rigidity through automated segmentation of high-speed OCT imaging. <i>Biomedical Optics Express</i> , 2015, 6, 1694.	1.5	48

#	ARTICLE	IF	CITATIONS
37	Effect of Corneal Hydration on the Quality of the Femtosecond Laser Anterior Lamellar Cut. PLoS ONE, 2014, 9, e98852.	1.1	3
38	Laser-Assisted Adsorption by Photobleaching. Methods in Cell Biology, 2014, 119, 125-140.	0.5	10
39	Analysis of AQP4 Trafficking Vesicle Dynamics Using a High-Content Approach. Biophysical Journal, 2013, 105, 328-337.	0.2	8
40	Engineered cell culture substrates for axon guidance studies: moving beyond proof of concept. Lab on A Chip, 2013, 13, 498.	3.1	39
41	Smoothness assessment of corneal stromal surfaces. Journal of Cataract and Refractive Surgery, 2013, 39, 118-127.	0.7	8
42	Analysis of Pulsatile Retinal Movements by Spectral-Domain Low-Coherence Interferometry: Influence of Age and Glaucoma on the Pulse Wave. PLoS ONE, 2013, 8, e54207.	1.1	13
43	Preparing Uniform-Thickness Corneal Endothelial Grafts from Donor Tissues Using a Non-Amplified Femtosecond Laser. PLoS ONE, 2013, 8, e83185.	1.1	3
44	Pulsatile Movement of the Optic Nerve Head and the Peripapillary Retina in Normal Subjects and in Glaucoma. , 2012, 53, 7819.		18
45	The Role of Ceroid Lipofuscinosis Neuronal Protein 5 (CLN5) in Endosomal Sorting. Molecular and Cellular Biology, 2012, 32, 1855-1866.	1.1	65
46	Retrograde and Wallerian Axonal Degeneration Occur Synchronously after Retinal Ganglion Cell Axotomy. American Journal of Pathology, 2012, 181, 62-73.	1.9	49
47	High Content Study of Vesicular Trafficking in Polarized Cells. Biophysical Journal, 2012, 102, 194a.	0.2	0
48	Automatic 3D reconstruction of quasi-planar stereo Scanning Electron Microscopy (SEM) images*. , 2012, 2012, 4361-4.		11
49	High-Content Neurite Development Study Using Optically Patterned Substrates. PLoS ONE, 2012, 7, e35911.	1.1	14
50	Analyzing speckle contrast for HiLo microscopy optimization. Optics Express, 2011, 19, 14508.	1.7	23
51	Ischemic neurons prevent vascular regeneration of neural tissue by secreting semaphorin 3A. Blood, 2011, 117, 6024-6035.	0.6	157
52	Revealing protein oligomerization and densities in situ using spatial intensity distribution analysis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7010-7015.	3.3	101
53	Measurement of Ocular Fundus Pulsation in Healthy Subjects Using a Novel Fourier-Domain Optical Coherence Tomography. , 2011, 52, 8927.		35
54	A redox switch in Cε reactive protein modulates activation of endothelial cells. FASEB Journal, 2011, 25, 3186-3196.	0.2	77

#	ARTICLE	IF	CITATIONS
55	Spectral-domain phase microscopy with improved sensitivity using two-dimensional detector arrays. Review of Scientific Instruments, 2011, 82, 023706.	0.6	15
56	Laser-Based Single-Axon Transection for High-Content Axon Injury and Regeneration Studies. PLoS ONE, 2011, 6, e26832.	1.1	9
57	Density amplification in laser-assisted protein adsorption by photobleaching. Proceedings of SPIE, 2010, , .	0.8	0
58	Requirement for functional DNA polymerase eta in genome-wide repair of UV-induced DNA damage during S phase. DNA Repair, 2010, 9, 754-764.	1.3	30
59	The phosphatidylinositol 4-kinase PI4KIII β is required for the recruitment of GBF1 to Golgi membranes. Journal of Cell Science, 2010, 123, 2273-2280.	1.2	50
60	Second harmonic generation microscopy to investigate collagen configuration: a pericarditis case study. Cardiovascular Pathology, 2010, 19, e125-e128.	0.7	8
61	Development of a novel instrument to measure the pulsatile movement of ocular tissues. Experimental Eye Research, 2010, 91, 63-68.	1.2	28
62	Beyond Photobleaching, Laser Illumination Unbinds Fluorescent Proteins. Journal of Physical Chemistry B, 2009, 113, 5225-5233.	1.2	19
63	Rapid multicomponent optical protein patterning. Lab on A Chip, 2009, 9, 3580.	3.1	47
64	Semi-automated quantification of filopodial dynamics. Journal of Neuroscience Methods, 2008, 171, 165-173.	1.3	23
65	Fluorescent two-photon nanolithography. Journal of Microscopy, 2008, 229, 540-544.	0.8	11
66	Sensitive Detection of Malaria Infection by Third Harmonic Generation Imaging. Biophysical Journal, 2008, 94, L26-L28.	0.2	47
67	Fabrication of protein gradients for cell culture using a miniature squeegee. Journal of Proteomics, 2008, 70, 1192-1195.	2.4	3
68	Patterning protein concentration using laser-assisted adsorption by photobleaching, LAPAP. Lab on A Chip, 2008, 8, 2164.	3.1	54
69	Innate Immune-Mediated Neuronal Injury Consequent to Loss of Astrocytes. Journal of Neuropathology and Experimental Neurology, 2008, 67, 590-599.	0.9	24
70	The Mitochondrial Transcription Factor TFAM Coordinates the Assembly of Multiple DNA Molecules into Nucleoid-like Structures. Molecular Biology of the Cell, 2007, 18, 3225-3236.	0.9	340
71	Sampling Effects, Noise, and Photobleaching in Temporal Image Correlation Spectroscopy. Biophysical Journal, 2006, 90, 628-639.	0.2	73
72	A Guide to Accurate Fluorescence Microscopy Colocalization Measurements. Biophysical Journal, 2006, 91, 4611-4622.	0.2	130

#	ARTICLE	IF	CITATIONS
73	Measurement of Monomer-Oligomer Distributions via Fluorescence Moment Image Analysis. Biophysical Journal, 2006, 91, 3884-3896.	0.2	31
74	Two-photon fluorescent microlithography for live-cell imaging. Microscopy Research and Technique, 2005, 68, 272-276.	1.2	20
75	Spatiotemporal Image Correlation Spectroscopy (STICS) Theory, Verification, and Application to Protein Velocity Mapping in Living CHO Cells. Biophysical Journal, 2005, 88, 3601-3614.	0.2	385
76	Accuracy and Dynamic Range of Spatial Image Correlation and Cross-Correlation Spectroscopy. Biophysical Journal, 2005, 89, 1251-1260.	0.2	63
77	Ultrafast optical generation of coherent phonons in CdTe _{1-x} Se _x quantum dots. Physical Review B, 2004, 69, .	1.1	52
78	Wide band interferometry for thickness measurement. Optics Express, 2003, 11, 952.	1.7	29
79	Throughput limitations for the direct space-to-time pulse shaper. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1227.	0.9	3
80	Fast scanner with position monitor for large optical delays. Optics Communications, 2001, 198, 287-291.	1.0	3
81	Resonant excitation of coherent phonons in CdTe _{1-x} Se _x quantum dots. , 0, , .		0