

Thomas Pengo

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,630
citations

471509

17
h-index

377865

34
g-index

47
all docs

47
docs citations

47
times ranked

3535
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	27.8	842
2	Associations between tissue-based CD3+ T-lymphocyte count and colorectal cancer survival in a prospective cohort of older women. <i>Molecular Carcinogenesis</i> , 2021, 60, 15-24.	2.7	1
3	Steroid Receptor Co-Activators Regulate Metabolic Kinases to Drive Therapy Resistant ER+ Breast Cancer. <i>Journal of the Endocrine Society</i> , 2021, 5, A1031-A1032.	0.2	0
4	Best practices and tools for reporting reproducible fluorescence microscopy methods. <i>Nature Methods</i> , 2021, 18, 1463-1476.	19.0	68
5	PELP1/SRC-3-dependent regulation of metabolic PFKFB kinases drives therapy resistant ER+ breast cancer. <i>Oncogene</i> , 2021, 40, 4384-4397.	5.9	16
6	MethodsJ2: a software tool to capture metadata and generate comprehensive microscopy methods text. <i>Nature Methods</i> , 2021, 18, 1414-1416.	19.0	10
7	ssDNA nanotubes for selective targeting of glioblastoma and delivery of doxorubicin for enhanced survival. <i>Science Advances</i> , 2021, 7, eabl5872.	10.3	14
8	Correlation of MET and PD-L1 Expression in Malignant Melanoma. <i>Cancers</i> , 2020, 12, 1847.	3.7	8
9	Amyloid- β Peptides Disrupt Interactions Between VAMP-2 and SNAP-25 in Neuronal Cells as Determined by FRET/FLIM. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1-13.	2.6	14
10	Imaging methods are vastly underreported in biomedical research. <i>ELife</i> , 2020, 9, .	6.0	42
11	The Quest for Perfection in Single Molecule Localization Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 2244-2244.	0.4	0
12	Automated Live-Cell Imaging of Synapses in Rat and Human Neuronal Cultures. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 467.	3.7	19
13	Block Polymer Micelles Enable CRISPR/Cas9 Ribonucleoprotein Delivery: Physicochemical Properties Affect Packaging Mechanisms and Gene Editing Efficiency. <i>Macromolecules</i> , 2019, 52, 8197-8206.	4.8	48
14	TCR Affinity Biases Th Cell Differentiation by Regulating CD25, Eef1e1, and Gbp2. <i>Journal of Immunology</i> , 2019, 202, 2535-2545.	0.8	55
15	Super-resolution fight club: assessment of 2D and 3D single-molecule localization microscopy software. <i>Nature Methods</i> , 2019, 16, 387-395.	19.0	251
16	Chrysalis: A New Method for High-Throughput Histo-Cytometry Analysis of Images and Movies. <i>Journal of Immunology</i> , 2019, 202, 300-308.	0.8	16
17	Registration of the extracellular matrix components constituting the fibroblastic focus in idiopathic pulmonary fibrosis. <i>JCI Insight</i> , 2019, 4, .	5.0	54
18	Aptamer micelles targeting fractalkine-expressing cancer cells in vitro and in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 85-96.	3.3	15

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19	Salmonella Persist in Activated Macrophages in T Cell-Sparse Granulomas but Are Contained by Surrounding CXCR3 Ligand-Positioned Th1 Cells. <i>Immunity</i> , 2018, 49, 1090-1102.e7.	14.3	66
20	Muscle Satellite Cell Cross-Talk with a Vascular Niche Maintains Quiescence via VEGF and Notch Signaling. <i>Cell Stem Cell</i> , 2018, 23, 530-543.e9.	11.1	223
21	Defined chromosome structure in the genome-reduced bacterium <i>Mycoplasma pneumoniae</i> . <i>Nature Communications</i> , 2017, 8, 14665.	12.8	81
22	Cytotoxic T Cells and Granzyme B Associated with Improved Colorectal Cancer Survival in a Prospective Cohort of Older Women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 622-631.	2.5	68
23	Design Principles for Peptide-Induced Liposomal Receptor-Targeting with Intracellular Thermosensitivity. <i>ChemNanoMat</i> , 2016, 2, 42-48.	2.8	4
24	Quantitative evaluation of software packages for single-molecule localization microscopy. <i>Nature Methods</i> , 2015, 12, 717-724.	19.0	347
25	PALMsiever: a tool to turn raw data into results for single-molecule localization microscopy. <i>Bioinformatics</i> , 2015, 31, 797-798.	4.1	37
26	High throughput 3D super-resolution microscopy reveals <i>Caulobacter crescentus</i> in vivo Z-ring organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4566-4571.	7.1	188
27	A Novel Automated Microscopy Platform for Multiresolution Multispectral Early Detection of Lung Cancer Cells in Bronchoalveolar Lavage Samples. <i>IEEE Systems Journal</i> , 2014, 8, 985-994.	4.6	12
28	High throughput 3D Palm Imaging Elucidates Mechanisms of Bacterial Cell Division. <i>Biophysical Journal</i> , 2014, 106, 578a-579a.	0.5	0
29	Photoactivated Localization Microscopy for Cellular Imaging. <i>Neuromethods</i> , 2014, , 87-111.	0.3	1
30	Revealing the Impact of Fluorescent Labeling on HIV-Gag Virus-Like Particle Formation by Quantitative Super-Resolution Imaging and Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2013, 104, 416a.	0.5	0
31	Efficient Blind Spectral Unmixing of Fluorescently Labeled Samples Using Multi-Layer Non-Negative Matrix Factorization. <i>PLoS ONE</i> , 2013, 8, e78504.	2.5	23
32	A PSF-based approach to Biplane calibration in 3D super-resolution microscopy. , 2012, , .		3
33	Quantitative Super-Resolution Imaging Reveals Protein Stoichiometry and Nanoscale Morphology of Assembling HIV-Gag Virions. <i>Nano Letters</i> , 2012, 12, 4705-4710.	9.1	63
34	Sparse algebraic reconstruction for fluorescence mediated tomography. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
35	Automatic Focusing Using Halton Sampling. <i>Imaging & Microscopy</i> , 2009, 11, 39-41.	0.1	1
36	Halton sampling for autofocus. <i>Journal of Microscopy</i> , 2009, 235, 50-58.	1.8	22

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37	Photon migration simulator for fluorescence tomography. Proceedings of SPIE, 2008, , .	0.8	1
38	Automation of the detection of lung cancer cells in minimal samples of bronchioalveolar lavage. , 2008, , .		0
39	Computer Assisted Detection of Cancer Cells in Minimal Samples of Lung Cancer. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5517-20.	0.5	3