

Jonas F Dorn

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,937
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

3221
citing authors

#	ARTICLE	IF	CITATIONS
1	Positional stability of single double-strand breaks in mammalian cells. <i>Nature Cell Biology</i> , 2007, 9, 675-682.	10.3	446
2	Octameric CENP-A Nucleosomes Are Present at Human Centromeres throughout the Cell Cycle. <i>Current Biology</i> , 2013, 23, 764-769.	3.9	198
3	Kinetochores alignment within the metaphase plate is regulated by centromere stiffness and microtubule depolymerases. <i>Journal of Cell Biology</i> , 2010, 188, 665-679.	5.2	126
4	A small GTPase molecular switch regulates epigenetic centromere maintenance by stabilizing newly incorporated CENP-A. <i>Nature Cell Biology</i> , 2010, 12, 1186-1193.	10.3	106
5	On the electrical conductivity of metal matrix composites containing high volume fractions of non-conducting inclusions. <i>Acta Materialia</i> , 2003, 51, 3199-3211.	7.9	102
6	Impedance Responses Reveal β 2-Adrenergic Receptor Signaling Pluridimensionality and Allow Classification of Ligands with Distinct Signaling Profiles. <i>PLoS ONE</i> , 2012, 7, e29420.	2.5	87
7	Asymmetric segregation and self-renewal of hematopoietic stem and progenitor cells with endocytic Ap2a2. <i>Blood</i> , 2012, 119, 2510-2522.	1.4	84
8	Molecular networks linked by Moesin drive remodeling of the cell cortex during mitosis. <i>Journal of Cell Biology</i> , 2011, 195, 99-112.	5.2	78
9	Histone H3 Lysine 56 Acetylation and the Response to DNA Replication Fork Damage. <i>Molecular and Cellular Biology</i> , 2012, 32, 154-172.	2.3	77
10	Yeast Kinetochores Microtubule Dynamics Analyzed by High-Resolution Three-Dimensional Microscopy. <i>Biophysical Journal</i> , 2005, 89, 2835-2854.	0.5	57
11	Comparing the Usability and Acceptability of Wearable Sensors Among Older Irish Adults in a Real-World Context: Observational Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e15704.	3.7	56
12	Evi5 promotes collective cell migration through its Rab-GAP activity. <i>Journal of Cell Biology</i> , 2012, 198, 57-67.	5.2	54
13	Computational Processing and Analysis of Dynamic Fluorescence Image Data. <i>Methods in Cell Biology</i> , 2008, 85, 497-538.	1.1	44
14	Actomyosin Tube Formation in Polar Body Cytokinesis Requires Anillin in <i>C. elegans</i> . <i>Current Biology</i> , 2010, 20, 2046-2051.	3.9	44
15	Mitotic chromosome length scales in response to both cell and nuclear size. <i>Journal of Cell Biology</i> , 2015, 209, 645-652.	5.2	43
16	Age-dependent regulation of tendon crimp structure, cell length and gap width with strain. <i>Acta Biomaterialia</i> , 2014, 10, 4447-4455.	8.3	39
17	Investigating the Regulation of Stem and Progenitor Cell Mitotic Progression by In Situ Imaging. <i>Current Biology</i> , 2015, 25, 1123-1134.	3.9	36
18	<i>S. cerevisiae</i> Chromosomes Biorient via Gradual Resolution of Syntely between S Phase and Anaphase. <i>Cell</i> , 2013, 154, 1127-1139.	28.9	34

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19	In Situ Imaging in <i>C.Âlegans</i> Reveals Developmental Regulation of Microtubule Dynamics. <i>Developmental Cell</i> , 2014, 29, 203-216.	7.0	34
20	Phosphorylation of the Eukaryotic Translation Initiation Factor 4E-Transporter (4E-T) by c-Jun N-Terminal Kinase Promotes Stress-Dependent P-Body Assembly. <i>Molecular and Cellular Biology</i> , 2012, 32, 4572-4584.	2.3	33
21	Quantitative Analysis of Cytokinesis In Situ during <i>C. elegans</i> Postembryonic Development. <i>PLoS ONE</i> , 2014, 9, e110689.	2.5	31
22	Usability and Acceptability of ASSESS MS: Assessment of Motor Dysfunction in Multiple Sclerosis Using Depth-Sensing Computer Vision. <i>JMIR Human Factors</i> , 2015, 2, e11.	2.0	25
23	Observational Study of a Wearable Sensor and Smartphone Application Supporting Unsupervised Exercises to Assess Pain and Stiffness. <i>Digital Biomarkers</i> , 2019, 2, 106-125.	4.4	22
24	Comparative Autoregressive Moving Average Analysis of Kinetochore Microtubule Dynamics in Yeast. <i>Biophysical Journal</i> , 2006, 91, 2312-2325.	0.5	16
25	Assessing Multiple Sclerosis With Kinect: Designing Computer Vision Systems for Real-World Use. <i>Human-Computer Interaction</i> , 2016, 31, 191-226.	4.4	15
26	Kinetochore dynamics: how protein dynamics affect chromosome segregation. <i>Current Opinion in Cell Biology</i> , 2012, 24, 57-63.	5.4	9
27	Tasks of activities of daily living (ADL) are more valuable than the classical neurological examination to assess upper extremity function and mobility in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1673-1681.	3.0	9
28	A Thorough Examination of Morning Activity Patterns in Adults with Arthritis and Healthy Controls Using Actigraphy Data. <i>Digital Biomarkers</i> , 2020, 4, 78-88.	4.4	8
29	Video-Based Pairwise Comparison: Enabling the Development of Automated Rating of Motor Dysfunction in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 234-241.	0.9	7
30	Imaging the Mitotic Spindle. <i>Methods in Enzymology</i> , 2012, 505, 81-103.	1.0	6
31	Deregulated ERK1/2 MAP kinase signaling promotes aneuploidy by a Fbxw7 ^{Î²} -Aurora A pathway. <i>Cell Cycle</i> , 2016, 15, 1631-1642.	2.6	5
32	Cytokinesis: Cells Go Back and Forth about Division. <i>Current Biology</i> , 2011, 21, R848-R850.	3.9	2
33	Setwise comparison: efficient fine-grained rating of movement videos using algorithmic support â€“ a proof of concept study. <i>Disability and Rehabilitation</i> , 2020, 42, 2640-2646.	1.8	2
34	Autoencoder as a New Method for Maintaining Data Privacy While Analyzing Videos of Patients With Motor Dysfunction: Proof-of-Concept Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e16669.	4.3	2
35	Chromosome Segregation: Centromeres Get Bent. <i>Current Biology</i> , 2008, 18, R159-R161.	3.9	0