

# David J JÃ¶rg

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,521  
citations

567281

15  
h-index

580821

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Piezo1 hypothesis of renal anemia. <i>FASEB BioAdvances</i> , 2022, 4, 436-440.	2.4	2
2	Stem Cell Populations as Self-Renewing Many-Particle Systems. <i>Annual Review of Condensed Matter Physics</i> , 2021, 12, 135-153.	14.5	9
3	Long-term self-renewing stem cells in the adult mouse hippocampus identified by intravital imaging. <i>Nature Neuroscience</i> , 2021, 24, 225-233.	14.8	87
4	Early stem cell aging in the mature brain. <i>Cell Stem Cell</i> , 2021, 28, 955-966.e7.	11.1	78
5	Transient suppression of transplanted spermatogonial stem cell differentiation restores fertility in mice. <i>Cell Stem Cell</i> , 2021, 28, 1443-1456.e7.	11.1	20
6	A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. <i>Cell Reports</i> , 2021, 37, 109875.	6.4	16
7	The Role of Eryptosis in the Pathogenesis of Renal Anemia: Insights From Basic Research and Mathematical Modeling. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 598148.	3.7	15
8	Competition for Mitogens Regulates Spermatogenic Stem Cell Homeostasis in an Open Niche. <i>Cell Stem Cell</i> , 2019, 24, 79-92.e6.	11.1	105
9	The proneural wave in the <i>Drosophila</i> optic lobe is driven by an excitable reaction-diffusion mechanism. <i>ELife</i> , 2019, 8, .	6.0	14
10	Live imaging of neurogenesis in the adult mouse hippocampus. <i>Science</i> , 2018, 359, 658-662.	12.6	259
11	Defining murine organogenesis at single-cell resolution reveals a role for the leukotriene pathway in regulating blood progenitor formation. <i>Nature Cell Biology</i> , 2018, 20, 127-134.	10.3	112
12	Chemical event chain model of coupled genetic oscillators. <i>Physical Review E</i> , 2018, 97, 032409.	2.1	13
13	Fate mapping of human glioblastoma reveals an invariant stem cell hierarchy. <i>Nature</i> , 2017, 549, 227-232.	27.8	321
14	Stochastic Kuramoto oscillators with discrete phase states. <i>Physical Review E</i> , 2017, 96, 032201.	2.1	8
15	Amplitude bounds for biochemical oscillators. <i>Europhysics Letters</i> , 2017, 119, 58004.	2.0	4
16	Self-organized synchronization of digital phase-locked loops with delayed coupling in theory and experiment. <i>PLoS ONE</i> , 2017, 12, e0171590.	2.5	21
17	Faster embryonic segmentation through elevated Delta-Notch signalling. <i>Nature Communications</i> , 2016, 7, 11861.	12.8	51
18	Sequential pattern formation governed by signaling gradients. <i>Physical Biology</i> , 2016, 13, 05LT03.	1.8	15

#	ARTICLE	IF	CITATIONS
19	Persistence, period and precision of autonomous cellular oscillators from the zebrafish segmentation clock. <i>ELife</i> , 2016, 5, .	6.0	98
20	Nonlinear transient waves in coupled phase oscillators with inertia. <i>Chaos</i> , 2015, 25, 053106.	2.5	9
21	Synchronization of mutually coupled digital PLLs in massive MIMO systems. , 2015, , .		8
22	Continuum theory of gene expression waves during vertebrate segmentation. <i>New Journal of Physics</i> , 2015, 17, 093042.	2.9	29
23	Synchronization in networks of mutually delay-coupled phase-locked loops. <i>New Journal of Physics</i> , 2014, 16, 113009.	2.9	23
24	Synchronization Dynamics in the Presence of Coupling Delays and Phase Shifts. <i>Physical Review Letters</i> , 2014, 112, 174101.	7.8	30
25	A Doppler effect in embryonic pattern formation. <i>Science</i> , 2014, 345, 222-225.	12.6	121
26	Collective Modes of Coupled Phase Oscillators with Delayed Coupling. <i>Physical Review Letters</i> , 2012, 108, 204101.	7.8	52