

# Walter de Back

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9403525/publications.pdf>

Version: 2024-02-01

14  
papers

317  
citations

1163117

8  
h-index

1474206

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g-index

19  
all docs

19  
docs citations

19  
times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Haematopoietic stem cells in perisinusoidal niches are protected from ageing. <i>Nature Cell Biology</i> , 2019, 21, 1309-1320.	10.3	88
2	Early Embryonic Vascular Patterning by Matrix-Mediated Paracrine Signalling: A Mathematical Model Study. <i>PLoS ONE</i> , 2011, 6, e24175.	2.5	57
3	Liquid-crystal organization of liver tissue. <i>ELife</i> , 2019, 8, .	6.0	42
4	Automated detection of the HER2 gene amplification status in Fluorescence in situ hybridization images for the diagnostics of cancer tissues. <i>Scientific Reports</i> , 2019, 9, 8231.	3.3	34
5	On the role of lateral stabilization during early patterning in the pancreas. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120766.	3.4	29
6	Complex System Simulations with QosCosGrid. <i>Lecture Notes in Computer Science</i> , 2009, , 387-396.	1.3	22
7	Image-based quantification and mathematical modeling of spatial heterogeneity in ESC colonies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 481-490.	1.5	13
8	Statistical and Mathematical Modeling of Spatiotemporal Dynamics of Stem Cells. <i>Methods in Molecular Biology</i> , 2019, 2017, 219-243.	0.9	11
9	A Modeler-Friendly API for ABM Partitioning. , 2009, , .		9
10	Quantification of nematic cell polarity in three-dimensional tissues. <i>PLoS Computational Biology</i> , 2020, 16, e1008412.	3.2	6
11	Red Queen dynamics in a predator-prey ecosystem. , 2006, , .		2
12	Emergence and analysis of complex food webs in an individual-based artificial ecology. , 2009, , .		0
13	Niche Differentiation and Coexistence in a Multi-resource Ecosystem with Competition. <i>Lecture Notes in Computer Science</i> , 2007, , 143-152.	1.3	0
14	Evolutionary robotics. , 2011, , 414-425.		0