

# Thomas S Deisboeck

## List of Publications by Year in descending order

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22  
papers

954  
citations

623734

14  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Cancer Modeling. Annual Review of Biomedical Engineering, 2011, 13, 127-155.	12.3	353
2	Collective behavior in cancer cell populations. BioEssays, 2009, 31, 190-197.	2.5	180
3	In silico cancer modeling: is it ready for prime time?. Nature Clinical Practice Oncology, 2009, 6, 34-42.	4.3	119
4	Computational modeling of brain tumors: discrete, continuum or hybrid?. Scientific Modeling and Simulation SMNS, 2008, 15, 381.	0.8	45
5	The $\hat{I}^{\circ}$ -statistics approach to epidemiology. Scientific Reports, 2020, 10, 19949.	3.3	44
6	Development of a sampling-based global sensitivity analysis workflow for multiscale computational cancer models. IET Systems Biology, 2014, 8, 191-197.	1.5	27
7	A thermodynamic approach to the $\hat{m}$ -mitosis/apoptosis ratio in cancer. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 246-255.	2.6	26
8	Dynamic Targeting in Cancer Treatment. Frontiers in Physiology, 2019, 10, 96.	2.8	22
9	Insights from a novel tumor model: Indications for a quantitative link between tumor growth and invasion. Medical Hypotheses, 2005, 65, 785-790.	1.5	21
10	Does cancer growth depend on surface extension?. Medical Hypotheses, 2006, 67, 1338-1341.	1.5	20
11	Advancing cancer systems biology: introducing the Center for the Development of a Virtual Tumor, CViT. Cancer Informatics, 2007, 5, 1-8.	1.9	17
12	Cancer dissemination: A consequence of limited carrying capacity?. Medical Hypotheses, 2007, 69, 173-177.	1.5	16
13	Advancing Cancer Systems Biology: Introducing the Center for the Development of a Virtual Tumor, CViT. Cancer Informatics, 2007, 5, 117693510700500.	1.9	16
14	Thermodynamic considerations on the role of heat and mass transfer in biochemical causes of carcinogenesis. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1164-1170.	2.6	14
15	Semantically Linking in Silico Cancer Models. Cancer Informatics, 2014, 13s1, CIN.S13895.	1.9	9
16	The importance of ion fluxes for cancer proliferation and metastasis: A thermodynamic analysis. Journal of Theoretical Biology, 2018, 445, 1-8.	1.7	9
17	A new concept for cancer therapy: out-competing the aggressor. Cancer Cell International, 2008, 8, 19.	4.1	7
18	Surgical impact on brain tumor invasion: A physical perspective. Annals of Surgical Innovation and Research, 2008, 2, 1.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Cancer: A profit-driven biosystem?. Medical Hypotheses, 2008, 71, 186-189.	1.5	2
20	Professional Networks in the Life Sciences: <i>Linking</i> the Linked. Cancer Informatics, 2010, 9, CIN.S5371.	1.9	1
21	Alzheimer's Disease: A Thermodynamic Perspective. Applied Sciences (Switzerland), 2020, 10, 7562.	2.5	1
22	Simulating the Impact of Angiogenesis on Multiscale Tumor Growth Dynamics Using an Agent-Based Model. , 0, , 1793-1798.		0