

Thomas S Deisboeck

List of Publications by Year in descending order

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papers

954
citations

623188

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713013

21
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all docs

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docs citations

24
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Cancer Modeling. Annual Review of Biomedical Engineering, 2011, 13, 127-155.	5.7	353
2	Collective behavior in cancer cell populations. BioEssays, 2009, 31, 190-197.	1.2	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}° -statistics approach to epidemiology. Scientific Reports, 2020, 10, 19949.	1.6	44
6	Development of a sampling-based global sensitivity analysis workflow for multiscale computational cancer models. IET Systems Biology, 2014, 8, 191-197.	0.8	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.	1.2	26
8	Dynamic Targeting in Cancer Treatment. Frontiers in Physiology, 2019, 10, 96.	1.3	22
9	Insights from a novel tumor model: Indications for a quantitative link between tumor growth and invasion. Medical Hypotheses, 2005, 65, 785-790.	0.8	21
10	Does cancer growth depend on surface extension?. Medical Hypotheses, 2006, 67, 1338-1341.	0.8	20
11	Advancing cancer systems biology: introducing the Center for the Development of a Virtual Tumor, CViT. Cancer Informatics, 2007, 5, 1-8.	0.9	17
12	Cancer dissemination: A consequence of limited carrying capacity?. Medical Hypotheses, 2007, 69, 173-177.	0.8	16
13	Advancing Cancer Systems Biology: Introducing the Center for the Development of a Virtual Tumor, CViT. Cancer Informatics, 2007, 5, 117693510700500.	0.9	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.	1.2	14
15	Semantically Linking in Silico Cancer Models. Cancer Informatics, 2014, 13s1, CIN.S13895.	0.9	9
16	The importance of ion fluxes for cancer proliferation and metastasis: A thermodynamic analysis. Journal of Theoretical Biology, 2018, 445, 1-8.	0.8	9
17	A new concept for cancer therapy: out-competing the aggressor. Cancer Cell International, 2008, 8, 19.	1.8	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.	0.8	2
20	Professional Networks in the Life Sciences: <i>Linking</i> the Linked. Cancer Informatics, 2010, 9, CIN.S5371.	0.9	1
21	Alzheimer's Disease: A Thermodynamic Perspective. Applied Sciences (Switzerland), 2020, 10, 7562.	1.3	1
22	Simulating the Impact of Angiogenesis on Multiscale Tumor Growth Dynamics Using an Agent-Based Model. , 0, , 1793-1798.		0