

David Liao

List of Publications by Year in descending order

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18
papers

1,002
citations

687363

13
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839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1543
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer dormancy and criticality from a game theory perspective. <i>Cancer Convergence</i> , 2018, 2, 1.	8.0	6
2	A SiQuENC for solving physics problems. <i>Physics Teacher</i> , 2018, 56, 264-265.	0.3	1
3	Evolutionary game theory in cancer: first steps in prediction of metastatic cancer progression?. <i>Future Oncology</i> , 2015, 11, 881-883.	2.4	10
4	Game theory in the death galaxy: interaction of cancer and stromal cells in tumour microenvironment. <i>Interface Focus</i> , 2014, 4, 20140028.	3.0	34
5	Evolutionary game theory for physical and biological scientists. II. Population dynamics equations can be associated with interpretations. <i>Interface Focus</i> , 2014, 4, 20140038.	3.0	19
6	Evolutionary game theory for physical and biological scientists. I. Training and validating population dynamics equations. <i>Interface Focus</i> , 2014, 4, 20140037.	3.0	14
7	Conceptualizing a tool to optimize therapy based on dynamic heterogeneity. <i>Physical Biology</i> , 2012, 9, 065005.	1.8	18
8	Generalized principles of stochasticity can be used to control dynamic heterogeneity. <i>Physical Biology</i> , 2012, 9, 065006.	1.8	7
9	Physics of cancer propagation: A game theory perspective. <i>AIP Advances</i> , 2012, 2, 11202.	1.3	15
10	The Goldilocks Principle and Antibiotic Resistance in Bacteria. <i>Molecular Pharmaceutics</i> , 2011, 8, 2063-2068.	4.6	17
11	Acceleration of Emergence of Bacterial Antibiotic Resistance in Connected Microenvironments. <i>Science</i> , 2011, 333, 1764-1767.	12.6	472
12	An analogy between the evolution of drug resistance in bacterial communities and malignant tissues. <i>Nature Reviews Cancer</i> , 2011, 11, 375-382.	28.4	151
13	Anomalous Spatial Redistribution of Competing Bacteria under Starvation Conditions. <i>Journal of Bacteriology</i> , 2011, 193, 1878-1883.	2.2	29
14	Collective Escape of Chemotactic Swimmers through Microscopic Ratchets. <i>Physical Review Letters</i> , 2010, 104, 168102.	7.8	85
15	An introduction to micro-ecology patches. <i>Chemical Society Reviews</i> , 2010, 39, 1049.	38.1	20
16	A microfluidic device for continuous cancer cell culture and passage with hydrodynamic forces. <i>Lab on A Chip</i> , 2010, 10, 1807.	6.0	28
17	Single molecule correlation spectroscopy in continuous flow mixers with zero-mode waveguides. <i>Optics Express</i> , 2008, 16, 10077.	3.4	22
18	Computation of mutual fitness by competing bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20269-20273.	7.1	54