

Deepak K Agrawal

List of Publications by Year in descending order

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534
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfiguring DNA Nanotube Architectures <i>via</i> Selective Regulation of Terminating Structures. ACS Nano, 2020, 14, 13451-13462.	7.3	14
2	Mathematical Models of Protease-Based Enzymatic Biosensors. ACS Synthetic Biology, 2020, 9, 198-208.	1.9	10
3	Modular protein-oligonucleotide signal exchange. Nucleic Acids Research, 2020, 48, 6431-6444.	6.5	9
4	Some Remarks on Robust Gene Regulation in a Biomolecular Integral Controller. , 2019, , .		3
5	In vitro implementation of robust gene regulation in a synthetic biomolecular integral controller. Nature Communications, 2019, 10, 5760.	5.8	54
6	Distinct timescales of RNA regulators enable the construction of a genetic pulse generator. Biotechnology and Bioengineering, 2019, 116, 1139-1151.	1.7	40
7	Mathematical Modeling of RNA-Based Architectures for Closed Loop Control of Gene Expression. ACS Synthetic Biology, 2018, 7, 1219-1228.	1.9	42
8	Self-Assembly of Hierarchical DNA Nanotube Architectures with Well-Defined Geometries. ACS Nano, 2017, 11, 1927-1936.	7.3	41
9	Terminating DNA Tile Assembly with Nanostructured Caps. ACS Nano, 2017, 11, 9770-9779.	7.3	23
10	Designing a self-regulating biomolecular comparator. , 2015, , .		0
11	A self-regulating biomolecular comparator for processing oscillatory signals. Journal of the Royal Society Interface, 2015, 12, 20150586.	1.5	9
12	Synchronization in a coupled architecture of microelectromechanical oscillators. Journal of Applied Physics, 2014, 115, .	1.1	27
13	An analytical formulation for phase noise in MEMS oscillators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 1938-1952.	1.7	32
14	Modeling nonlinearities in MEMS oscillators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1646-1659.	1.7	45
15	Observation of Locked Phase Dynamics and Enhanced Frequency Stability in Synchronized Micromechanical Oscillators. Physical Review Letters, 2013, 111, 084101.	2.9	82
16	Modelling non-linearities in a MEMS square wave oscillator. , 2012, , .		0
17	Electrically coupled MEMS oscillators. , 2011, , .		7
18	Integrated optical and MEMS based design process for a variable optical attenuator. Optics and Lasers in Engineering, 2011, 49, 848-854.	2.0	1