

# Deepak K Agrawal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6326844/publications.pdf>

Version: 2024-02-01

18  
papers

444  
citations

933264

10  
h-index

1058333

14  
g-index

23  
all docs

23  
docs citations

23  
times ranked

534  
citing authors

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