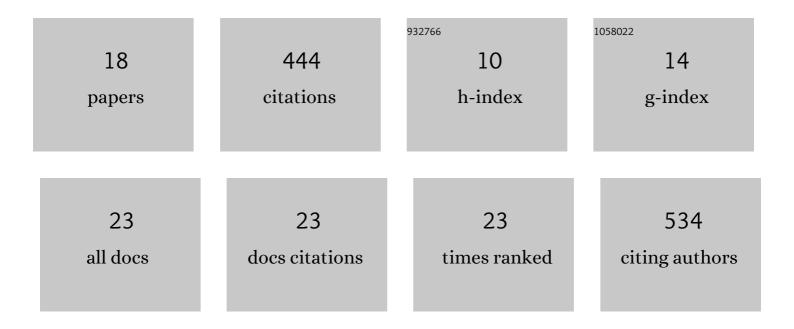
Deepak K Agrawal

List of Publications by Year in descending order

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| # | 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 |