

Brian E Fratto

List of Publications by Year in descending order

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papers

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citations

1163117

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1372567

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10
all docs

10
docs citations

10
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of a fluidic infrastructure for the realization of enzyme-based Boolean logic operations. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 139-156.	1.0	8
2	An Enzyme-Based 1:2 Demultiplexer Interfaced with an Electrochemical Actuator. ChemPhysChem, 2017, 18, 1721-1725.	2.1	6
3	Design of Flow Systems for Improved Networking and Reduced Noise in Biomolecular Signal Processing in Biocomputing and Biosensing Applications. Sensors, 2016, 16, 1042.	3.8	5
4	Bioelectronic Interface Connecting Reversible Logic Gates Based on Enzyme and DNA Reactions. ChemPhysChem, 2016, 17, 2247-2255.	2.1	35
5	Controlled Logic Gates—Switch Gate and Fredkin Gate Based on Enzyme-Biocatalyzed Reactions Realized in Flow Cells. ChemPhysChem, 2016, 17, 1046-1053.	2.1	35
6	An Enzyme-Based Half-Adder and Half-Subtractor with a Modular Design. ChemPhysChem, 2016, 17, 2210-2217.	2.1	25
7	Reversible Logic Gates Based on Enzyme-Biocatalyzed Reactions and Realized in Flow Cells: A Modular Approach. ChemPhysChem, 2015, 16, 1405-1415.	2.1	49
8	Biomolecular Computing Realized in Parallel Flow Systems: Enzyme-Based Double Feynman Logic Gate. Parallel Processing Letters, 2015, 25, 1540001.	0.6	11
9	Enzyme-based logic gates switchable between OR, NXOR and NAND Boolean operations realized in a flow system. Chemical Communications, 2014, 50, 12043-12046.	4.1	22
10	Enzymatic AND Logic Gate with Sigmoid Response Induced by Photochemically Controlled Oxidation of the Output. Journal of Physical Chemistry B, 2013, 117, 7559-7568.	2.6	46