

Dimitris E Nikitopoulos

List of Publications by Year in descending order

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28
papers

657
citations

759233

12
h-index

839539

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g-index

28
all docs

28
docs citations

28
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophoretic Transport of Single DNA Nucleotides through Nanoslits: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11443-11458.	2.6	10
2	Numerical methodologies for investigation of moderate-velocity flow using a hybrid computational fluid dynamics – molecular dynamics simulation approach. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 245-253.	1.5	3
3	Influence of material transition and interfacial area changes on flow and concentration in electro-osmotic flows. <i>Analytica Chimica Acta</i> , 2013, 770, 103-110.	5.4	5
4	Modeling of misalignment effects in microfluidic interconnects for modular bio-analytical chip applications. <i>Electrophoresis</i> , 2013, 34, 2988-2995.	2.4	0
5	Distinguishing Single DNA Nucleotides Based on Their Times of Flight Through Nanoslits: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3271-3279.	2.6	13
6	Study of Unforced and Modulated Film-Cooling Jets Using Proper Orthogonal Decomposition – Part II: Forced Jets. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	5
7	Study of Unforced and Modulated Film-Cooling Jets Using Proper Orthogonal Decomposition – Part I: Unforced Jets. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	17
8	Design and Fabrication of Rock-Based Micromodel. , 2012, , .		1
9	Surface Modification of Droplet Polymeric Microfluidic Devices for the Stable and Continuous Generation of Aqueous Droplets. <i>Langmuir</i> , 2011, 27, 7949-7957.	3.5	48
10	A vertically stacked, polymer, microfluidic point mutation analyzer: Rapid high accuracy detection of low-abundance K-ras mutations. <i>Analytical Biochemistry</i> , 2011, 417, 211-219.	2.4	18
11	Propulsion of droplets on micro- and sub-micron ratchet surfaces in the Leidenfrost temperature regime. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1045-1054.	2.2	58
12	Gas-liquid two-phase flows in rectangular polymer micro-channels. <i>Experiments in Fluids</i> , 2011, 51, 373-393.	2.4	12
13	Fundamental Study of Modulated Transverse Jets from a Film-Cooling Perspective. <i>AIAA Journal</i> , 2011, 49, 1498-1510.	2.6	6
14	Titer-plate formatted continuous flow thermal reactors: Design and performance of a nanoliter reactor. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 291-300.	7.8	34
15	Numerical Simulations of Misalignment Effects in Microfluidic Interconnects. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1272, 1.	0.1	1
16	Titer plate formatted continuous flow thermal reactors for high throughput applications: fabrication and testing. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 055003.	2.6	21
17	Passive micro-assembly of modular, hot embossed, polymer microfluidic devices using exact constraint design. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 125025.	2.6	19
18	A multi-function, microfluidic module for mutation detection. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
19	Temperature distribution effects on micro-CFPCR performance. Biomedical Microdevices, 2008, 10, 141-152.	2.8	54
20	Optimized High-Aspect-Ratio Diffusional Micromixers. , 2008, , .		1
21	Investigation of Two-Phase Flow in Rectangular Micro-Channels. , 2008, , .		2
22	Protein Adsorption in a Continuous Flow Microchannel Environment. , 2008, , .		0
23	Passive Alignment Structures in Modular, Polymer Microfluidic Devices. , 2006, , 51.		3
24	On Active Control of Film-Cooling Flows. , 2006, , 61.		11
25	Evaluation of micromilled metal mold masters for the replication of microchip electrophoresis devices. Microfluidics and Nanofluidics, 2006, 3, 1-11.	2.2	113
26	Design Aspects and Simulations of a Modified Micro-Scale Electrophoretion. , 2006, , .		0
27	Rapid PCR in a continuous flow device. Lab on A Chip, 2004, 4, 638.	6.0	193
28	BUBBLE MEASUREMENTS IN A GAS-LIQUID JET. Chemical Engineering Communications, 1996, 143, 1-22.	2.6	7