

Pã©ter Pã;lovics

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

78
citations

1937685

4
h-index

2053705

5
g-index

15
all docs

15
docs citations

15
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic multiple cell chip reactor filled with enzyme-coated magnetic nanoparticles â€” An efficient and flexible novel tool for enzyme catalyzed biotransformations. Journal of Flow Chemistry, 2016, 6, 43-52.	1.9	38
2	Geometric optimization of microreactor chambers to increase the homogeneity of the velocity field. Journal of Micromechanics and Microengineering, 2018, 28, 064002.	2.6	10
3	Investigation and Modeling of the Magnetic Nanoparticle Aggregation with a Two-Phase CFD Model. Energies, 2020, 13, 4871.	3.1	7
4	Towards the CFD model of flow rate dependent enzyme-substrate reactions in nanoparticle filled flow microreactors. Microelectronics Reliability, 2018, 85, 84-92.	1.7	6
5	Investigation of the motion of magnetic nanoparticles in microfluidics with a micro domain model. Microsystem Technologies, 2022, 28, 1545-1559.	2.0	5
6	Investigation and optimization of microfluidic flow-through chambers for homogeneous reaction space. , 2017, , .		4
7	Modelling the magnetic nanoparticle filling procedure of flow-through microchambers. , 2018, , .		3
8	Microfluidic flow-through chambers for higher performance. , 2017, , .		2
9	Thermal behaviour modeling of enzymatic reactions in flow-through microchambers. , 2017, , .		1
10	Numerical modelling of magnetic nanoparticle dynamics in microfluidic devices. , 2019, , .		1
11	Transient reduced order thermal model of LEDs with phosphorous layer. , 2019, , .		1
12	Transfer function order reducing method for successive network reduction in complex frequency space. , 2017, , .		0
13	Simulation of the magnetic nanoparticle filling procedure of microchambers. , 2018, , .		0
14	CFD modelling of magnetic nanoparticle suspension in microfluidics. , 2019, , .		0
15	Comparison of different models of magnetic nanoparticle aggregation in microchannels with magnetic field. , 2021, , .		0