

# Pã©ter Pã;lovics

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2446237/publications.pdf>

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